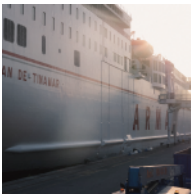




Industrial circular connectors

InKonn(Suzhou) Electric Technology Co., Ltd.



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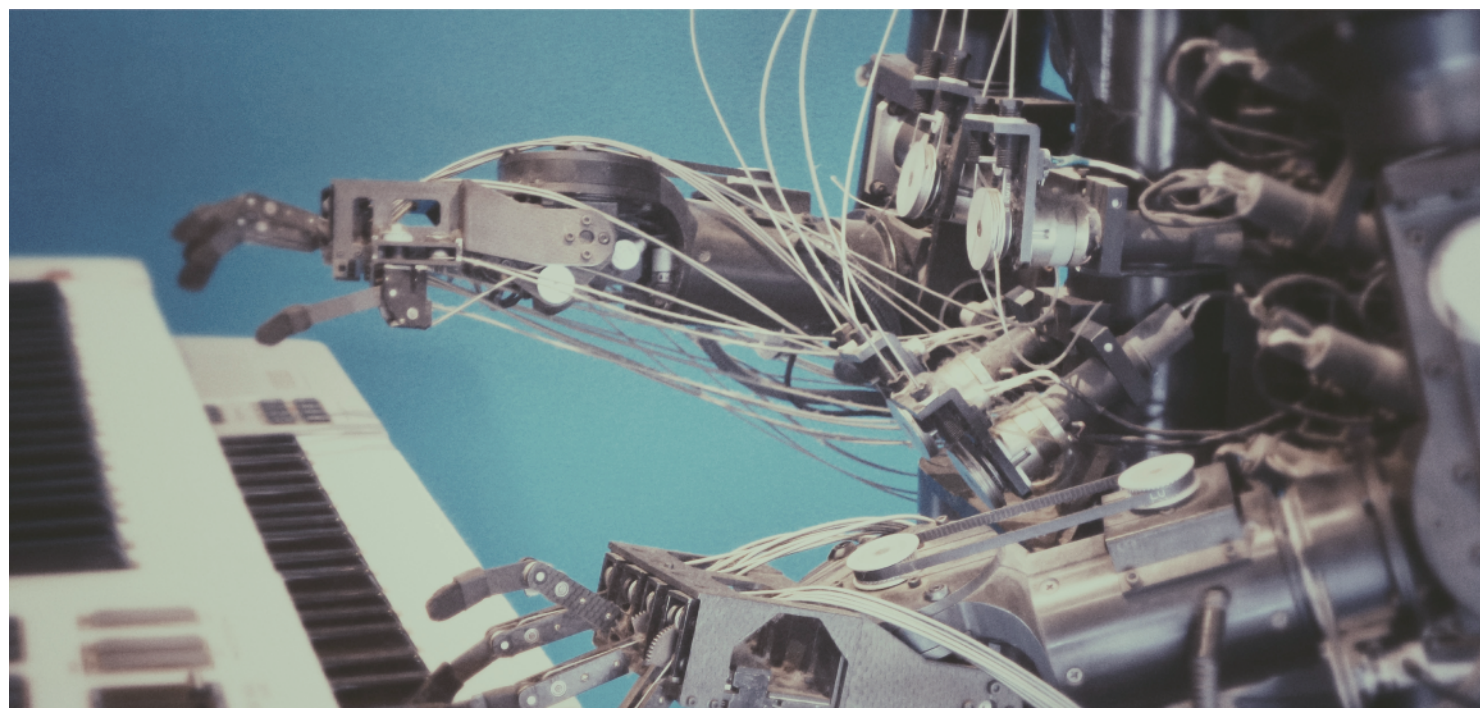
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PROFILE

INKONN is powered by a team of people who are experienced and constantly active in the field of Industrial Connector. Our team members have strong backgrounds in both manufacturing and development in Industrial Connector.

- Sectors in which we operate

- Automation
- Railwayindustry
- Wind powerindustry
- Machinery industry

MISSION

We are dedicated to provide our customers with the best solutions. Our close partnership with global industry leading companies enhance our service offering.

As your technical partener, we support our customers in advice on technical solutions and the design of tailor-made products by participating customer' s needs. We think from customers' perspective and do our utmost to solve their problems with our professional knowledge and skills.

Please note the following safety information:

- Never plug or unplug connectors under load or during operation.
- We can only guarantee the technical and electro-technical characteristics promised in this catalogue if all the components were supplied by Inkonn.

The following standards apply in the vicinity of circular connectors:

- DIN EN 60352 or IEC 60352:
Solderless connections
- DIN EN 60529 or IEC 60529:
Classes of protection provided by enclosures (IP code)
- DIN VDE 0870:
Electromagnetic influence
- DIN EN 60999-1:
Connecting devices, safety requirements for screw terminal connections and screwless terminal connections and screwless terminal connections for electrical copper conductors
- DIN 40050-9:
Road vehicles; classes of protection (IP code)
- IEC61076-2-101:
Connectors for electrical and electronic equipment - Product requirements - Part 2-101 :
Circular connectors-Detail specification for circular connectors M8 with screw- or snap-locking, M12 with screw-locking for low voltage applications
- IEC61076-2-104:
Connectors for electrical and electronic equipment - Product requirements - Part 2-104 :
Circular connectors-Detail specification for circular connectors M8 with screw-locking or snap-locking

Type name for Sensor/Actuator Cordsets, Field Wireable Connectors, Sensor/Actuator Receptacles

M12A

—

S

F

4

S

—

L5V

Type of connector:
'M8A' = M8 A-code
'M12A' = M12 A-code
'M12D' = M12 D-code
'7/8' = 7/8"
.....

Style of locking nut:
' ' = metal(zinc)
'S' = shielded
'V' = stainless steel
'P' = plastic
.....

Gender/style of termination:
'F' = female
'M' = male
'FD' = female/dipsolder
.....

Cable type:
'L5V' = length 5 meter/Type V
'D9' = diameter 7-9
.....

Connector style:
'S' = staight
'A' = angled
'F' = front mounting
'R' = rear mounting
.....

No. of poles:
'4' = 4 pole
'5' = 5 pole

Type name for Junction Boxes

M12JB

-

S8

-

LED

-

PNP

/

12.11-M23/H

Type of connector:
'M8JB' = M8 code Junction Boxes
'M12JB' = M12 code Junction Boxes
.....

Signal/No. of Slots:
'S8' = Single signal per slot/8 slots
'D8' = Double signal per slot/8 slots
.....

Signal type:
' ' = Without LED
'LED-PNP' = With LED/PNP
'LED-NPN' = With LED/NPN
.....

Suitable Connector/Connection Type:
'12.11-M23/H' = Suitable connector M23-F12S-LxV/
M23 male-in horizontal
'-L2V' = With Master-cable, cable length 2 meter, cable type V
'-B' = With Plug-in connection
.....

Type name for Splitters

M12Y

—

M

5

/

2

F

5

Type of connector:
'M8A' = M8 A-code
'M12A' = M12 A-code
'M12D' = M12 D-code
'7/8' = 7/8"
.....

Gender of one connector/
No. of poles:
'F5' = female/5 pole
'M5' = male/5 pole
.....

Gender of other 2 connectors/
No. of poles:
'F5' = female/5 pole
'M5' = male/5 pole
.....

Type name for Assembled cables

M12D

-

SM4S

/

SM4S-

L2V

Type of connector:
'M8A' = M8 A-code
'M12A' = M12 A-code
'M12D' = M12 D-code
'7/8' = 7/8"
.....

Type of 1. connector:
Shielded or unshielded/Gender/No. of poles/Straight or angled:
'SM4S' = Shielded/male/4 pole/straight
'M5A' = Unshielded/male/5 pole/angled
.....

Type of 2. connector:
Shielded or unshielded/Gender/No. of poles/Straight or angled:
'SM4S' = Shielded/male/4 pole/straight
'M5A' = Unshielded/male/5 pole/angled
.....

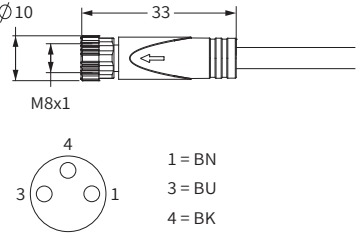
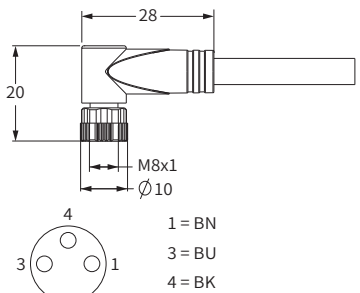
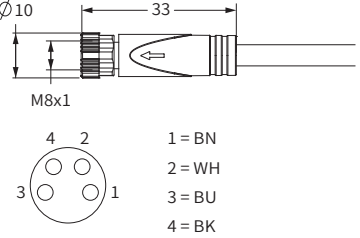
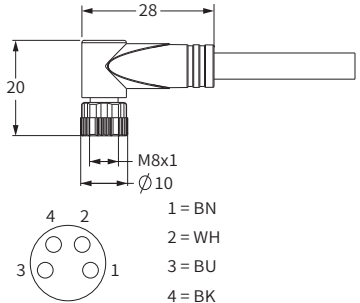
Cable type:
'L2V' = length 2 meter/Type V
'L5SV' = length 5 meter/Type SV
.....

M8

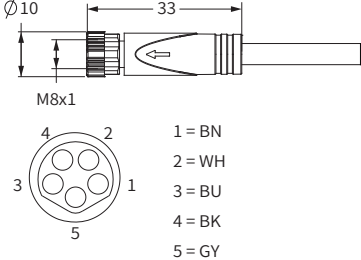
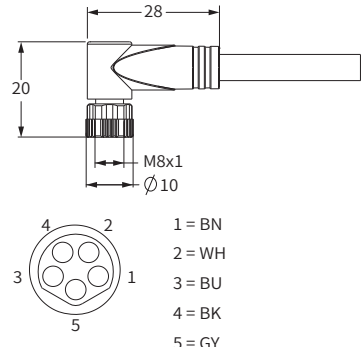
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Technical characteristics			
Connector	M8	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 3	Tightening torque	0.2 Nm
Rated voltage	[V] 60	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-104
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M8	Material(seal)	FPM/FKM
Version	B-code	Cable description	PVC-black
Rated current	[A] 3	Tightening torque	0.2 Nm
Rated voltage	[V] 30	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-104
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
3-pole, straight, female, M8 A-code, cable type: V, Anti-vibration 	2 m	M8A-F3S-L2V	11 02 003 1200	 1 = BN 3 = BU 4 = BK
	5 m	M8A-F3S-L5V	11 02 003 1201	
	10 m	M8A-F3S-L10V	11 02 003 1202	
3-pole, angled, female, M8 A-code, cable type: V, Anti-vibration 	2 m	M8A-F3A-L2V	11 02 003 0200	 1 = BN 3 = BU 4 = BK
	5 m	M8A-F3A-L5V	11 02 003 0201	
	10 m	M8A-F3A-L10V	11 02 003 0202	
4-pole, straight, female, M8 A-code, cable type: V, Anti-vibration 	2 m	M8A-F4S-L2V	11 02 004 1200	 1 = BN 2 = WH 3 = BU 4 = BK
	5 m	M8A-F4S-L5V	11 02 004 1201	
	10 m	M8A-F4S-L10V	11 02 004 1202	
4-pole, angled, female, M8 A-code, cable type: V, Anti-vibration 	2 m	M8A-F4A-L2V	11 02 004 0200	 1 = BN 2 = WH 3 = BU 4 = BK
	5 m	M8A-F4A-L5V	11 02 004 0201	
	10 m	M8A-F4A-L10V	11 02 004 0202	

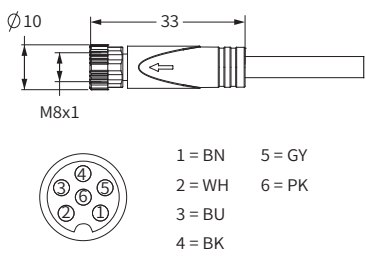
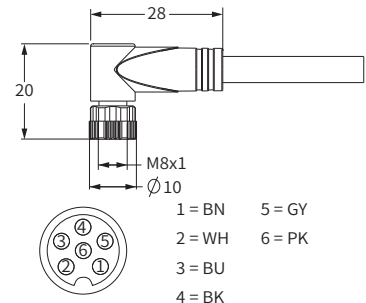
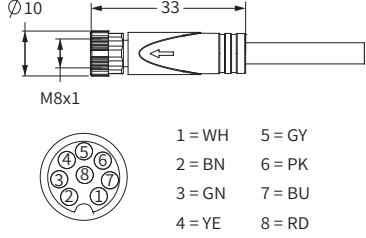
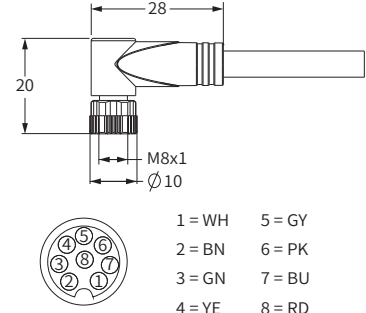
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
5-pole, straight, female, M8 B-code, cable type: V, Anti-vibration 	2 m	M8B-F5S-L2V	11 07 005 1200	 1 = BN 2 = WH 3 = BU 4 = BK 5 = GY
	5 m	M8B-F5S-L5V	11 07 005 1201	
	10 m	M8B-F5S-L10V	11 07 005 1202	
5-pole, angled, female, M8 B-code, cable type: V, Anti-vibration 	2 m	M8B-F5A-L2V	11 07 005 0200	 1 = BN 2 = WH 3 = BU 4 = BK 5 = GY
	5 m	M8B-F5A-L5V	11 07 005 0201	
	10 m	M8B-F5A-L10V	11 07 005 0202	

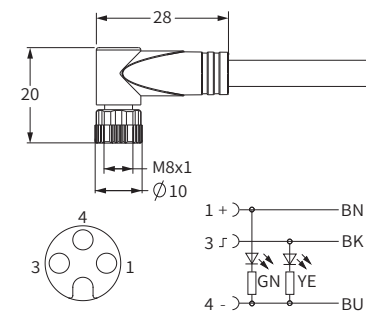
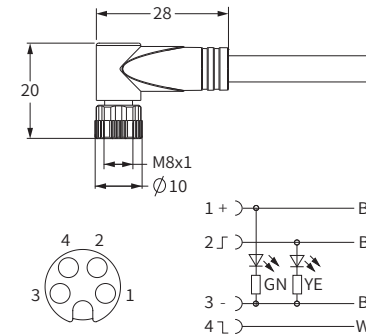
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	M8	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 1.5	Tightening torque	0.2 Nm
Rated voltage	[V] 30	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-104
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M8	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 3	Tightening torque	0.2 Nm
Rated voltage	[V] 60	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-transparent	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-104
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
6-pole, straight, female, M8 A-code, cable type: V, Anti-vibration 	2 m	M8A-F6S-L2V	11 02 006 1200	 1 = BN 5 = GY 2 = WH 6 = PK 3 = BU 4 = BK
	5 m	M8A-F6S-L5V	11 02 006 1201	
	10 m	M8A-F6S-L10V	11 02 006 1202	
6-pole, angled, female, M8 A-code, cable type: V, Anti-vibration 	2 m	M8A-F6A-L2V	11 02 006 0200	 1 = BN 5 = GY 2 = WH 6 = PK 3 = BU 4 = BK
	5 m	M8A-F6A-L5V	11 02 006 0201	
	10 m	M8A-F6A-L10V	11 02 006 0202	
8-pole, straight, female, M8 A-code, cable type: V, Anti-vibration 	2 m	M8A-F8S-L2V	11 02 008 1200	 1 = WH 5 = GY 2 = BN 6 = PK 3 = GN 7 = BU 4 = YE 8 = RD
	5 m	M8A-F8S-L5V	11 02 008 1201	
	10 m	M8A-F6S-L10V	11 02 008 1202	
8-pole, angled, female, M8 A-code, cable type: V, Anti-vibration 	2 m	M8A-F8A-L2V	11 02 008 0200	 1 = WH 5 = GY 2 = BN 6 = PK 3 = GN 7 = BU 4 = YE 8 = RD
	5 m	M8A-F8A-L5V	11 02 008 0201	
	10 m	M8A-F8A-L10V	11 02 008 0202	

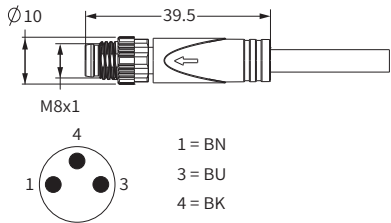
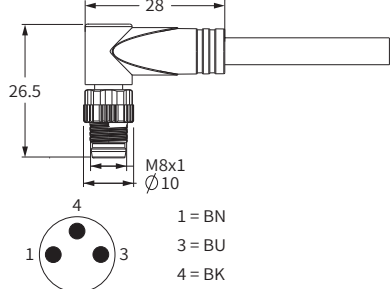
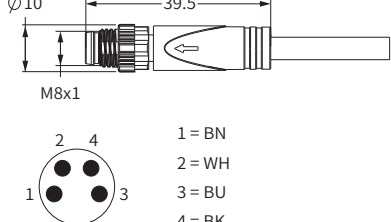
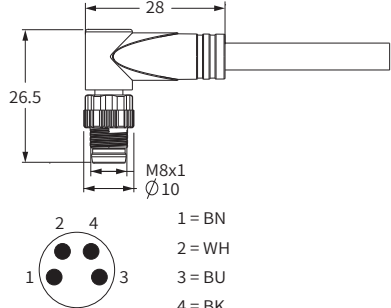
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
3-pole, angled, female, M8 A-code, cable type: V, Anti-vibration 	2 m	M8A-F3A-L2V-LED	11 02 003 0210	 1 + BN 3 - BK 4 - GN YE BU
	5 m	M8A-F3A-L5V-LED	11 02 003 0211	
	10 m	M8A-F3A-L10V-LED	11 02 003 0212	
4-pole, angled, female, M8 A-code, cable type: V, Anti-vibration 	2 m	M8A-F4A-L2V-LED	11 02 004 0210	 1 + BN 2 - BK 3 - GN YE 4 - BU WH
	5 m	M8A-F4A-L5V-LED	11 02 004 0211	
	10 m	M8A-F4A-L10V-LED	11 02 004 0212	

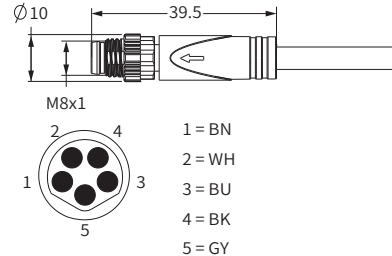
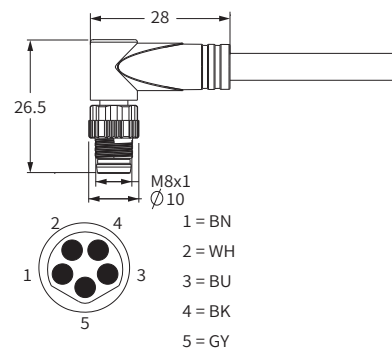
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	M8	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 3	Tightening torque	0.2 Nm
Rated voltage	[V] 60	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-104
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M8	Material(seal)	FPM/FKM
Version	B-code	Cable description	PVC-black
Rated current	[A] 3	Tightening torque	0.2 Nm
Rated voltage	[V] 30	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-104
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
3-pole, straight, male, M8 A-code, cable type: V, Anti-vibration 	2 m	M8A-M3S-L2V	11 02 003 1100	 Ø10 39.5 M8x1 4 1 3 1 = BN 3 = BU 4 = BK
	5 m	M8A-M3S-L5V	11 02 003 1101	
	10 m	M8A-M3S-L10V	11 02 003 1102	
3-pole, angled, male, M8 A-code, cable type: V, Anti-vibration 	2 m	M8A-M3A-L2V	11 02 003 0100	 28 26.5 M8x1 Ø10 4 1 3 1 = BN 3 = BU 4 = BK
	5 m	M8A-M3A-L5V	11 02 003 0101	
	10 m	M8A-M3A-L10V	11 02 003 0102	
4-pole, straight, male, M8 A-code, cable type: V, Anti-vibration 	2 m	M8A-M4S-L2V	11 02 004 1100	 Ø10 39.5 M8x1 2 4 1 3 1 = BN 2 = WH 3 = BU 4 = BK
	5 m	M8A-M4S-L5V	11 02 004 1101	
	10 m	M8A-M4S-L10V	11 02 004 1102	
4-pole, angled, male, M8 A-code, cable type: V, Anti-vibration 	2 m	M8A-M4A-L2V	11 02 004 0100	 28 26.5 M8x1 Ø10 2 4 1 3 1 = BN 2 = WH 3 = BU 4 = BK
	5 m	M8A-M4A-L5V	11 02 004 0101	
	10 m	M8A-M4A-L10V	11 02 004 0102	

1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

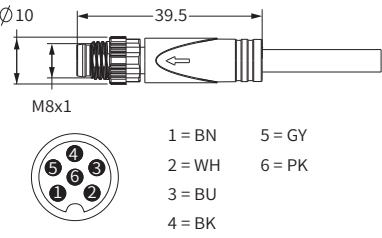
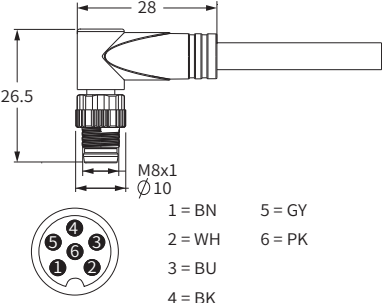
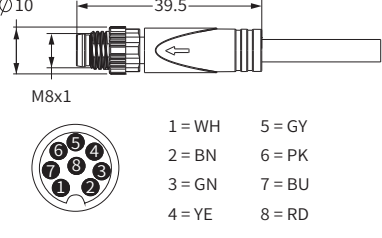
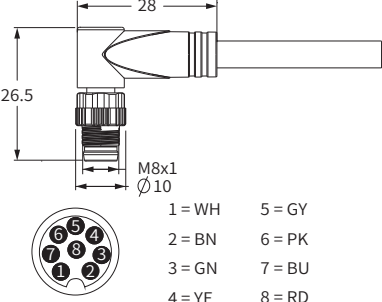
Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
5-pole, straight, male, M8 B-code, cable type: V, Anti-vibration 	2 m	M8B-M5S-L2V	11 07 005 1100	 Ø10 39.5 M8x1 2 4 1 3 5 1 = BN 2 = WH 3 = BU 4 = BK 5 = GY
	5 m	M8B-M5S-L5V	11 07 005 1101	
	10 m	M8B-M5S-L10V	11 07 005 1102	
5-pole, angled, male, M8 B-code, cable type: V, Anti-vibration 	2 m	M8B-M5A-L2V	11 07 005 0100	 28 26.5 M8x1 Ø10 2 4 1 3 5 1 = BN 2 = WH 3 = BU 4 = BK 5 = GY
	5 m	M8B-M5A-L5V	11 07 005 0101	
	10 m	M8B-M5A-L10V	11 07 005 0102	

1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

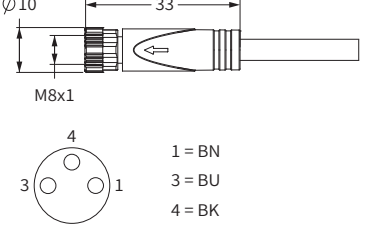
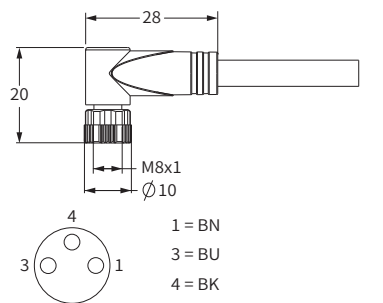
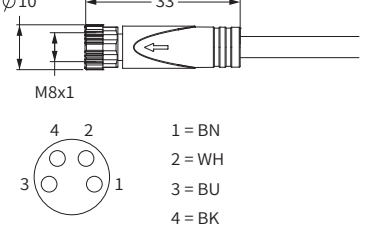
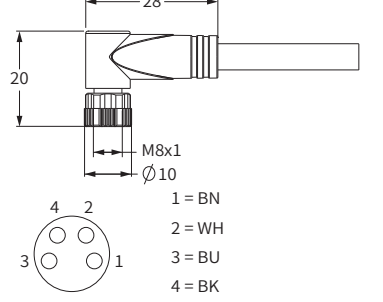


Technical characteristics			
Connector	M8	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 1.5	Tightening torque	0.2 Nm
Rated voltage	[V] 30	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-104
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M8	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 3	Tightening torque	0.2 Nm
Rated voltage	[V] 60	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-104
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

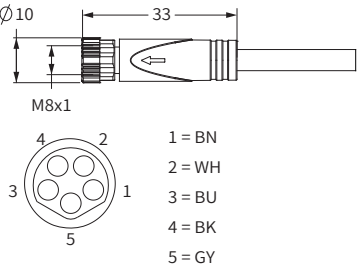
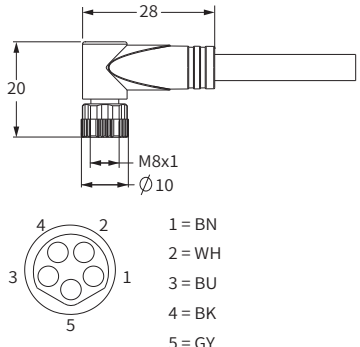
Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
6-pole, straight, male, M8 A-code, cable type: V, Anti-vibration 	2 m	M8A-M6S-L2V	11 02 006 1100	 Ø10 39.5 M8x1 1 = BN 5 = GY 2 = WH 6 = PK 3 = BU 4 = BK
	5 m	M8A-M6S-L5V	11 02 006 1101	
	10 m	M8A-M6S-L10V	11 02 006 1102	
6-pole, angled, male, M8 A-code, cable type: V, Anti-vibration 	2 m	M8A-M6A-L2V	11 02 006 0100	 28 26.5 M8x1 Ø10 1 = BN 5 = GY 2 = WH 6 = PK 3 = BU 4 = BK
	5 m	M8A-M6A-L5V	11 02 006 0101	
	10 m	M8A-M6A-L10V	11 02 006 0102	
8-pole, straight, male, M8 A-code, cable type: V, Anti-vibration 	2 m	M8A-M8S-L2V	11 02 008 1100	 Ø10 39.5 M8x1 1 = WH 5 = GY 2 = BN 6 = PK 3 = GN 7 = BU 4 = YE 8 = RD
	5 m	M8A-M8S-L5V	11 02 008 1101	
	10 m	M8A-M8S-L10V	11 02 008 1102	
8-pole, angled, male, M8 A-code, cable type: V, Anti-vibration 	2 m	M8A-M8A-L2V	11 02 008 0100	 28 26.5 M8x1 Ø10 1 = WH 5 = GY 2 = BN 6 = PK 3 = GN 7 = BU 4 = YE 8 = RD
	5 m	M8A-M8A-L5V	11 02 008 0101	
	10 m	M8A-M8A-L10V	11 02 008 0102	

1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
3-pole, straight, female, M8 A-code, cable type: SV, Anti-vibration 	2 m	M8A-SF3S-L2SV	11 02 103 1200	 Ø10 33 M8x1 1 = BN 3 = BU 4 = BK
	5 m	M8A-SF3S-L5SV	11 02 103 1201	
	10 m	M8A-SF3S-L10SV	11 02 103 1202	
3-pole, angled, female, M8 A-code, cable type: SV, Anti-vibration 	2 m	M8A-SF3A-L2SV	11 02 103 0200	 28 20 M8x1 Ø10 1 = BN 3 = BU 4 = BK
	5 m	M8A-SF3A-L5SV	11 02 103 0201	
	10 m	M8A-SF3A-L10SV	11 02 103 0202	
4-pole, straight, female, M8 A-code, cable type: SV, Anti-vibration 	2 m	M8A-SF4S-L2SV	11 02 104 1200	 Ø10 33 M8x1 1 = BN 2 = WH 3 = BU 4 = BK
	5 m	M8A-SF4S-L5SV	11 02 104 1201	
	10 m	M8A-SF4S-L10SV	11 02 104 1202	
4-pole, angled, female, M8 A-code, cable type: SV, Anti-vibration 	2 m	M8A-SF4A-L2SV	11 02 104 0200	 28 20 M8x1 Ø10 1 = BN 2 = WH 3 = BU 4 = BK
	5 m	M8A-SF4A-L5SV	11 02 104 0201	
	10 m	M8A-SF4A-L10SV	11 02 104 0202	

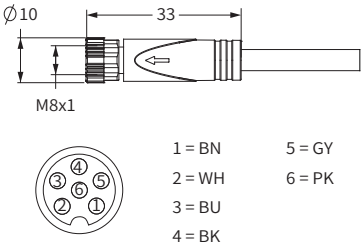
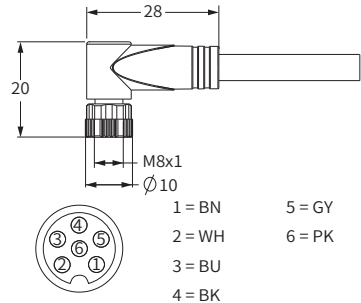
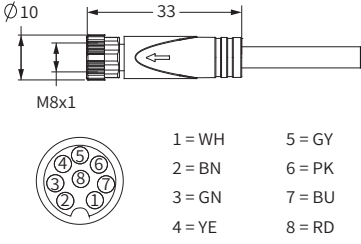
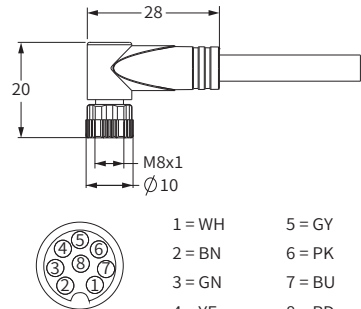
1): Cable type UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	M8	Material(seal)	FPM/FKM
Version	B-code	Cable description	PVC-black
Rated current	[A] 3	Tightening torque	0.2 Nm
Rated voltage	[V] 30	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-104
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
5-pole, straight, female, M8 B-code, cable type: SV, Anti-vibration 	2 m	M8B-SF5S-L2SV	11 07 105 1200	 1 = BN 2 = WH 3 = BU 4 = BK 5 = GY
	5 m	M8B-SF5S-L5SV	11 07 105 1201	
	10 m	M8B-SF5S-L10SV	11 07 105 1202	
5-pole, angled, female, M8 B-code, cable type: SV, Anti-vibration 	2 m	M8B-SF5A-L2SV	11 07 105 0200	 1 = BN 2 = WH 3 = BU 4 = BK 5 = GY
	5 m	M8B-SF5A-L5SV	11 07 105 0201	
	10 m	M8B-SF5A-L10SV	11 07 105 0202	

1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

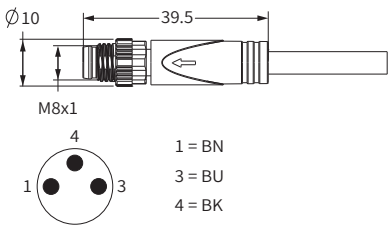
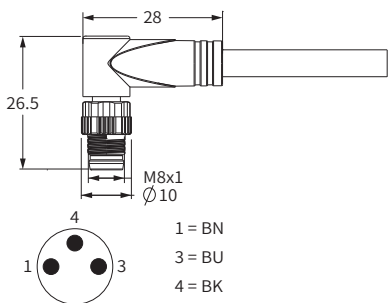
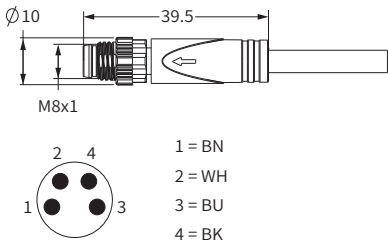
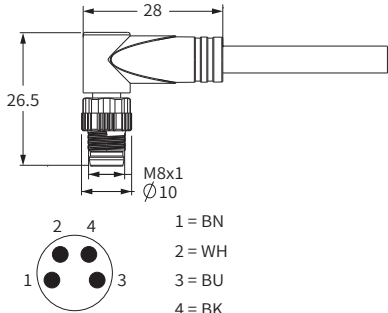
Technical characteristics			
Connector	M8	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 1.5	Tightening torque	0.2 Nm
Rated voltage	[V] 30	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-104
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
6-pole, straight, female, M8 A-code, cable type: SV, Anti-vibration 	2 m	M8A-SF6S-L2SV	11 02 106 1200	 1 = BN 2 = WH 3 = BU 4 = BK 5 = GY 6 = PK
	5 m	M8A-SF6S-L5SV	11 02 106 1201	
	10 m	M8A-SF6S-L10SV	11 02 106 1202	
6-pole, angled, female, M8 A-code, cable type: SV, Anti-vibration 	2 m	M8A-SF6A-L2SV	11 02 106 0200	 1 = BN 2 = WH 3 = BU 4 = BK 5 = GY 6 = PK
	5 m	M8A-SF6A-L5SV	11 02 106 0201	
	10 m	M8A-SF6A-L10SV	11 02 106 0202	
8-pole, straight, female, M8 A-code, cable type: SV, Anti-vibration 	2 m	M8A-SF8S-L2SV	11 02 108 1200	 1 = WH 2 = BN 3 = GN 4 = YE 5 = GY 6 = PK 7 = BU 8 = RD
	5 m	M8A-SF8S-L5SV	11 02 108 1201	
	10 m	M8A-SF6S-L10SV	11 02 108 1202	
8-pole, angled, female, M8 A-code, cable type: SV, Anti-vibration 	2 m	M8A-SF8A-L2SV	11 02 108 0200	 1 = WH 2 = BN 3 = GN 4 = YE 5 = GY 6 = PK 7 = BU 8 = RD
	5 m	M8A-SF8A-L5SV	11 02 108 0201	
	10 m	M8A-SF8A-L10SV	11 02 108 0202	

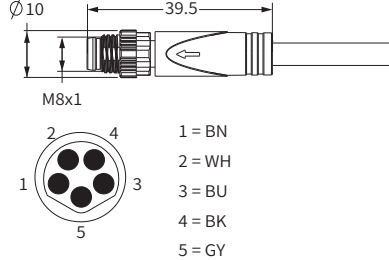
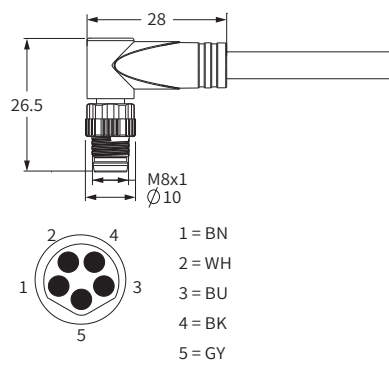
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	M8	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 3	Tightening torque	0.2 Nm
Rated voltage	[V] 60	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-104
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M8	Material(seal)	FPM/FKM
Version	B-code	Cable description	PVC-black
Rated current	[A] 3	Tightening torque	0.2 Nm
Rated voltage	[V] 30	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-104
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

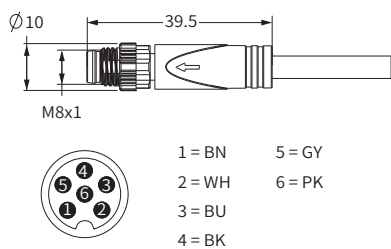
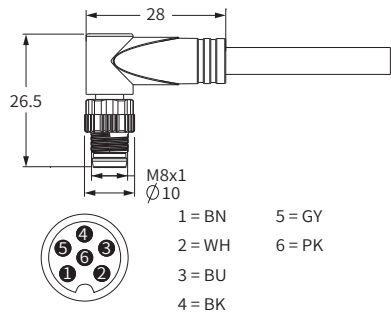
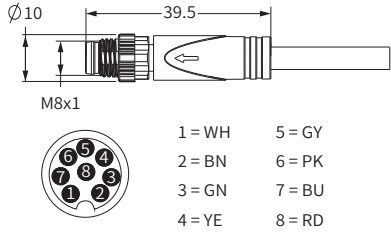
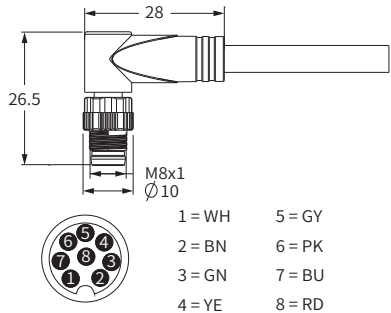
Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
3-pole, straight, male, M8 A-code, cable type: SV, Anti-vibration 	2 m	M8A-SM3S-L2SV	11 02 103 1100	 Ø10 39.5 M8x1 1 = BN 3 = BU 4 = BK
	5 m	M8A-SM3S-L5SV	11 02 103 1101	
	10 m	M8A-SM3S-L10SV	11 02 103 1102	
3-pole, angled, male, M8 A-code, cable type: SV, Anti-vibration 	2 m	M8A-SM3A-L2SV	11 02 103 0100	 28 26.5 M8x1 Ø10 1 = BN 3 = BU 4 = BK
	5 m	M8A-SM3A-L5SV	11 02 103 0101	
	10 m	M8A-SM3A-L10SV	11 02 103 0102	
4-pole, straight, male, M8 A-code, cable type: SV, Anti-vibration 	2 m	M8A-SM4S-L2SV	11 02 104 1100	 Ø10 39.5 M8x1 1 = BN 2 = WH 3 = BU 4 = BK
	5 m	M8A-SM4S-L5SV	11 02 104 1101	
	10 m	M8A-SM4S-L10SV	11 02 104 1102	
4-pole, angled, male, M8 A-code, cable type: SV, Anti-vibration 	2 m	M8A-SM4A-L2SV	11 02 104 0100	 28 26.5 M8x1 Ø10 1 = BN 2 = WH 3 = BU 4 = BK
	5 m	M8A-SM4A-L5SV	11 02 104 0101	
	10 m	M8A-SM4A-L10SV	11 02 104 0102	

1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
5-pole, straight, male, M8 B-code, cable type: SV, Anti-vibration 	2 m	M8B-SM5S-L2SV	11 07 105 1100	 Ø10 39.5 M8x1 1 = BN 2 = WH 3 = BU 4 = BK 5 = GY
	5 m	M8B-SM5S-L5SV	11 07 105 1101	
	10 m	M8B-SM5S-L10SV	11 07 105 1102	
5-pole, angled, male, M8 B-code, cable type: SV, Anti-vibration 	2 m	M8B-SM5A-L2SV	11 07 105 0100	 28 26.5 M8x1 Ø10 1 = BN 2 = WH 3 = BU 4 = BK 5 = GY
	5 m	M8B-SM5A-L5SV	11 07 105 0101	
	10 m	M8B-SM5A-L10SV	11 07 105 0102	

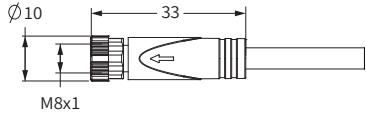
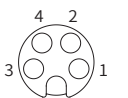
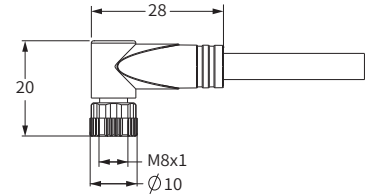
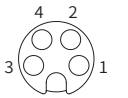
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics				
Connector		M8	Material(seal)	FPM/FKM
Version		A-code	Cable description	PVC-black
Rated current	[A]	1.5	Tightening torque	0.2 Nm
Rated voltage	[V]	30	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω]	≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ]	≤5	Mating cycles	≥100
Material(grip body)		TPU-black	Pollution degree	3
Material(contact)		Brass, gold plated	Standard	IEC61076-2-104
Material(contact carrier)		TPU+GF	RoHS	compliant
Material(knurl)		Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
6-pole, straight, male, M8 A-code, cable type: SV, Anti-vibration 	2 m	M8A-M6S-L2SV	11 02 106 1100	 1 = BN 5 = GY 2 = WH 6 = PK 3 = BU 4 = BK
	5 m	M8A-M6S-L5SV	11 02 106 1101	
	10 m	M8A-M6S-L10SV	11 02 106 1102	
6-pole, angled, male, M8 A-code, cable type: SV, Anti-vibration 	2 m	M8A-M6A-L2SV	11 02 106 0100	 1 = BN 5 = GY 2 = WH 6 = PK 3 = BU 4 = BK
	5 m	M8A-M6A-L5SV	11 02 106 0101	
	10 m	M8A-M6A-L10SV	11 02 106 0102	
8-pole, straight, male, M8 A-code, cable type: SV, Anti-vibration 	2 m	M8A-M8S-L2SV	11 02 108 1100	 1 = WH 5 = GY 2 = BN 6 = PK 3 = GN 7 = BU 4 = YE 8 = RD
	5 m	M8A-M8S-L5SV	11 02 108 1101	
	10 m	M8A-M8S-L10SV	11 02 108 1102	
8-pole, angled, male, M8 A-code, cable type: SV, Anti-vibration 	2 m	M8A-M8A-L2SV	11 02 108 0100	 1 = WH 5 = GY 2 = BN 6 = PK 3 = GN 7 = BU 4 = YE 8 = RD
	5 m	M8A-M8A-L5SV	11 02 108 0101	
	10 m	M8A-M8A-L10SV	11 02 108 0102	

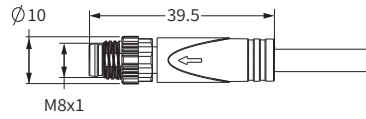
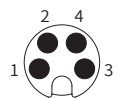
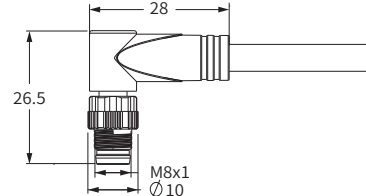
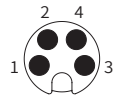
1): Cable type **U= PUR** and **UT=PUR-carrier chain** are optional, variable cable length is possible.

Technical characteristics			
Connector	M8	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 1.5	Tightening torque	0.2 Nm
Rated voltage	[V] 48	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-104
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
4-pole, straight, female, M8 A-code, cable type: PN27 , Anti-vibration 	2 m	M8A-SF4S-L2PN27	11 02 104 1210	 M8x1  1 = OR/WH(+tx) 2 = BU/WH(+rx) 3 = BU(-rx) 4 = OR(-tx)
	5 m	M8A-SF4S-L5PN27	11 02 104 1211	
	10 m	M8A-SF4S-L10PN27	11 02 104 1212	
4-pole, angled, female, M8 A-code, cable type: PN27 , Anti-vibration 	2 m	M8A-SF4A-L2PN27	11 02 104 0210	 M8x1 Ø 10  1 = OR/WH(+tx) 2 = BU/WH(+rx) 3 = BU(-rx) 4 = OR(-tx)
	5 m	M8A-SF4A-L5PN27	11 02 104 0211	
	10 m	M8A-SF4A-L10PN27	11 02 104 0212	

1): Cable type **U**= **PUR** and **UT**=**PUR-carrier chain** are optional, variable cable length is possible.

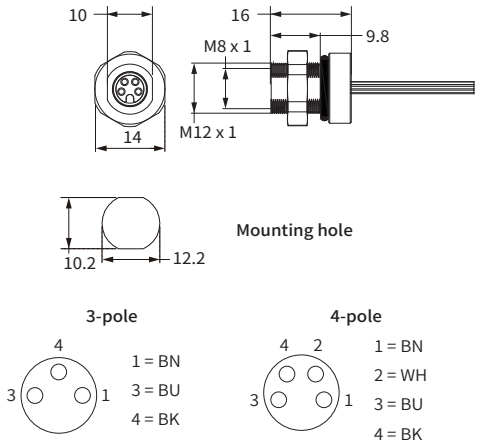
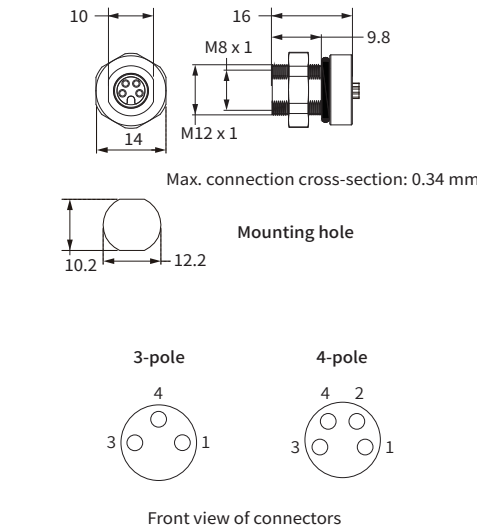
Technical characteristics			
Connector	M8	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 1.5	Tightening torque	0.2 Nm
Rated voltage	[V] 48	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-104
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

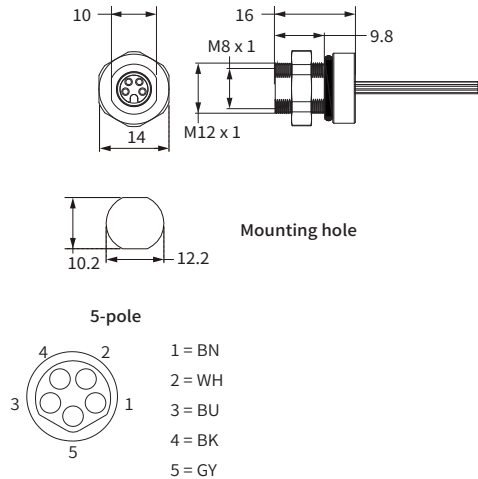
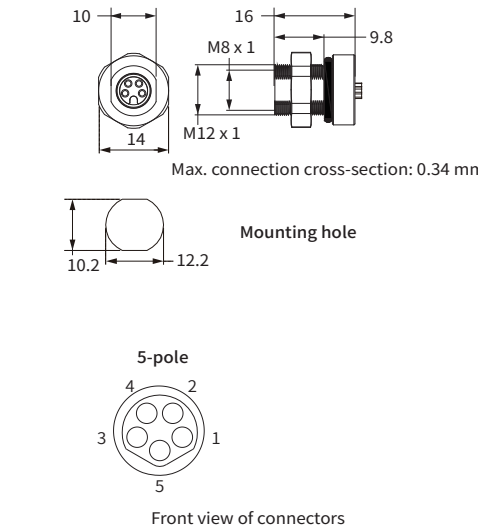
Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
4-pole, straight, male, M8 A-code, cable type: PN27 , Anti-vibration 	2 m	M8A-SM4S-L2PN27	11 02 104 1110	 M8x1  1 = OR/WH(+tx) 2 = BU/WH(+rx) 3 = BU(-rx) 4 = OR(-tx)
	5 m	M8A-SM4S-L5PN27	11 02 104 1111	
	10 m	M8A-SM4S-L10PN27	11 02 104 1112	
4-pole, angled, male, M8 A-code, cable type: PN27 , Anti-vibration 	2 m	M8A-SM4A-L2PN27	11 02 104 0110	 M8x1 Ø 10  1 = OR/WH(+tx) 2 = BU/WH(+rx) 3 = BU(-rx) 4 = OR(-tx)
	5 m	M8A-SM4A-L5PN27	11 02 104 0111	
	10 m	M8A-SM4A-L10PN27	11 02 104 0112	

1): Cable type **UT**=**PUR-carrier chain** are optional, variable cable length is possible.

Technical characteristics			
Connector	M8		Material(seal)
Version	A-code		FPM/FKM
Rated current	[A]	3	Tightening torque
Rated voltage	[V]	60	1.5 ... 2.5 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature
Contact resistance	[mΩ]	≤5	[-25 ... +85 °C]
Material(grip body)	Zinc die-cast/Nickel plated		Degree of protection (IP)
Material(contact)	Brass, gold plated		IP67
Material(contact carrier)	Nylon, black		Mating cycles
Material(knurl)	Zinc die-cast/Nickel plated		≥100
			Pollution degree
			3
			Standard
			IEC61076-2-104
			RoHS
			compliant

Technical characteristics			
Connector	M8		Material(seal)
Version	B-code		FPM/FKM
Rated current	[A]	3	Tightening torque
Rated voltage	[V]	30	1.5 ... 2.5 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature
Contact resistance	[mΩ]	≤5	[-25 ... +85 °C]
Material(grip body)	Zinc die-cast/Nickel plated		Degree of protection (IP)
Material(contact)	Brass, gold plated		IP67
Material(contact carrier)	Nylon, black		Mating cycles
Material(knurl)	Zinc die-cast/Nickel plated		≥100
			Pollution degree
			3
			Standard
			IEC61076-2-104
			RoHS
			compliant

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , rear mounting, female, individual wires, M8 A-code	3-pole	M8A-F3R-L0.5M12	11 02 003 2200	
	4-pole	M8A-F4R-L0.5M12	11 02 004 2200	
Sensor/Actuator Receptacles, rear mounting, female, Solder Cup, M8 A-code	3-pole	M8A-FS3R-M12	11 02 003 2600	
	4-pole	M8A-FS4R-M12	11 02 004 2600	

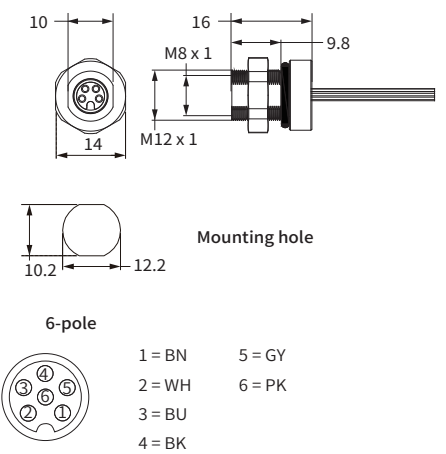
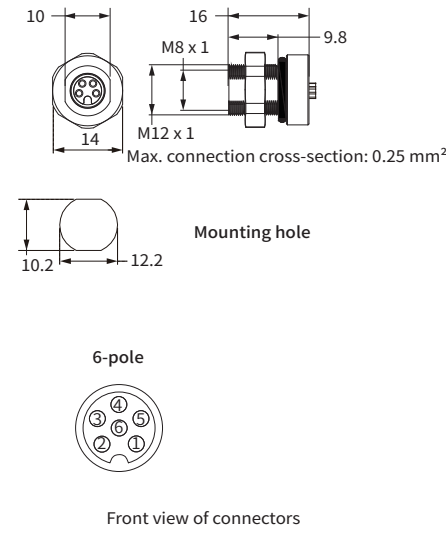
Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , rear mounting, female, individual wires, M8 B-code	5-pole	M8B-F5R-L0.5M12	11 07 005 2200	
	5-pole	M8B-F5R-M12	11 07 005 2600	
Sensor/Actuator Receptacles, rear mounting, female, Solder Cup, M8 B-code	5-pole	M8B-FS5R-M12	11 07 005 2600	
	5-pole	M8B-FS5R-M12	11 07 005 2600	

1): Standard cable length is 0.5m, variable cable length is optional

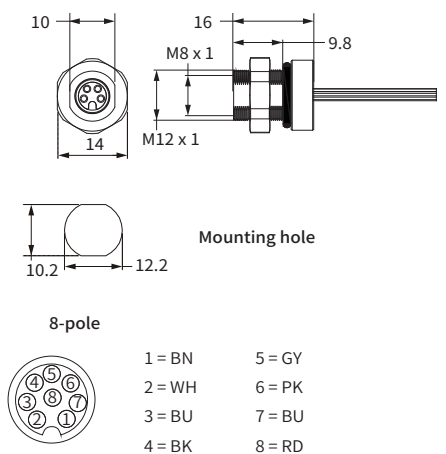
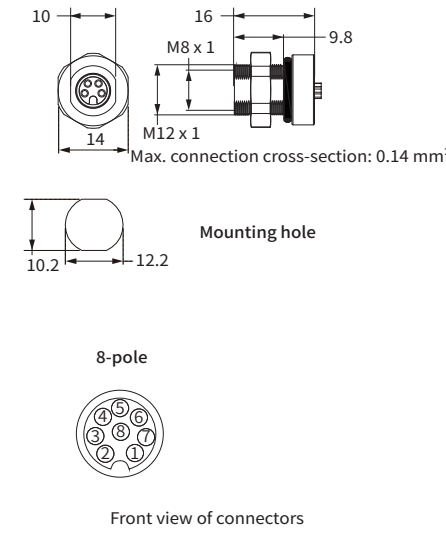
1): Standard cable length is 0.5m, variable cable length is optional

Technical characteristics			
Connector	M8		Material(seal)
Version	A-code		FPM/FKM
Rated current	[A]	2	Tightening torque
Rated voltage	[V]	30	1.5 ... 2.5 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature
Contact resistance	[mΩ]	≤5	[-25 ... +85 °C]
Material(grip body)	Zinc die-cast/Nickel plated		Degree of protection (IP)
Material(contact)	Brass, gold plated		IP67
Material(contact carrier)	Nylon, black		Mating cycles
Material(knurl)	Zinc die-cast/Nickel plated		≥100
			Pollution degree
			3
			Standard
			IEC61076-2-104
			RoHS
			compliant

Technical characteristics			
Connector	M8		Material(seal)
Version	A-code		FPM/FKM
Rated current	[A]	1.5	Tightening torque
Rated voltage	[V]	30	1.5 ... 2.5 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature
Contact resistance	[mΩ]	≤5	[-25 ... +85 °C]
Material(grip body)	Zinc die-cast/Nickel plated		Degree of protection (IP)
Material(contact)	Brass, gold plated		IP67
Material(contact carrier)	Nylon, black		Mating cycles
Material(knurl)	Zinc die-cast/Nickel plated		≥100
			Pollution degree
			3
			Standard
			IEC61076-2-104
			RoHS
			compliant

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , rear mounting, female, individual wires, M8 A-code	6-pole	M8A-F6R-L0.5M12	11 02 006 2200	
Sensor/Actuator Receptacles, rear mounting, female, Solder Cup, M8 A-code	6-pole	M8A-FS6R-M12	11 02 006 2600	

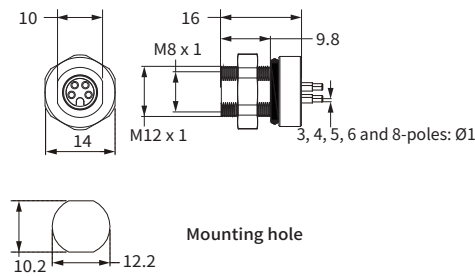
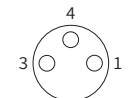
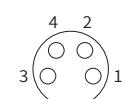
1): Standard cable length is 0.5m, variable cable length is optional

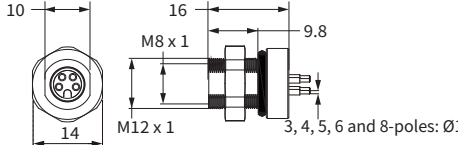
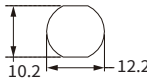
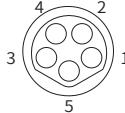
Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , rear mounting, female, individual wires, M8 A-code	8-pole	M8A-F8R-L0.5M12	11 02 008 2200	
Sensor/Actuator Receptacles, rear mounting, female, Solder Cup, M8 A-code	8-pole	M8A-FS8R-M12	11 02 008 2600	

1): Standard cable length is 0.5m, variable cable length is optional

Technical characteristics			
Connector	M8	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	1.5 ... 2.5 Nm
Rated current	[A] 3	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 60	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-104
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Nylon, black		
Material(knurl)	Zinc die-cast/Nickel plated		

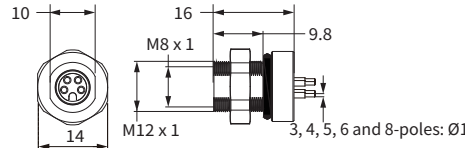
Technical characteristics			
Connector	M8	Material(seal)	FPM/FKM
Version	B-code	Tightening torque	1.5 ... 2.5 Nm
Rated current	[A] 3	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 30	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-104
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Nylon, black		
Material(knurl)	Zinc die-cast/Nickel plated		

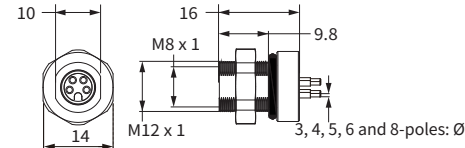
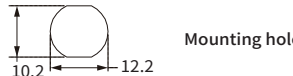
Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)																														
Sensor/Actuator Receptacles, rear mounting, female, PCB mounting, M8 A-code	3-pole	M8A-FD3R-M12	11 02 003 2610	 Pin front view of connectors 3-pole  <table data-bbox="1215 1085 1360 1205"><tr><th>Pin</th><th>X</th><th>Y</th></tr><tr><td>1</td><td>1.75</td><td>0.00</td></tr><tr><td>2</td><td>-</td><td>-</td></tr><tr><td>3</td><td>-1.75</td><td>0.00</td></tr><tr><td>4</td><td>0.00</td><td>1.75</td></tr></table> 4-pole  <table data-bbox="1215 1282 1360 1402"><tr><th>Pin</th><th>X</th><th>Y</th></tr><tr><td>1</td><td>1.70</td><td>-0.50</td></tr><tr><td>2</td><td>1.08</td><td>1.45</td></tr><tr><td>3</td><td>-1.70</td><td>-0.50</td></tr><tr><td>4</td><td>-1.08</td><td>1.45</td></tr></table>	Pin	X	Y	1	1.75	0.00	2	-	-	3	-1.75	0.00	4	0.00	1.75	Pin	X	Y	1	1.70	-0.50	2	1.08	1.45	3	-1.70	-0.50	4	-1.08	1.45
Pin	X	Y																																
1	1.75	0.00																																
2	-	-																																
3	-1.75	0.00																																
4	0.00	1.75																																
Pin	X	Y																																
1	1.70	-0.50																																
2	1.08	1.45																																
3	-1.70	-0.50																																
4	-1.08	1.45																																
	4-pole	M8A-FD4R-M12	11 02 004 2610																															

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)																		
Sensor/Actuator Receptacles, rear mounting, female, PCB mounting, M8 B-code	5-pole	M8B-FD5R-M12	11 07 005 2610	  Mounting hole Pin front view of connectors 5-pole  <table border="1" data-bbox="2733 1087 2875 1228"><thead><tr><th>Pin</th><th>X</th><th>Y</th></tr></thead><tbody><tr><td>1</td><td>1.70</td><td>-0.35</td></tr><tr><td>2</td><td>0.975</td><td>1.45</td></tr><tr><td>3</td><td>-1.70</td><td>-0.35</td></tr><tr><td>4</td><td>-0.975</td><td>1.45</td></tr><tr><td>5</td><td>0.00</td><td>-1.35</td></tr></tbody></table>	Pin	X	Y	1	1.70	-0.35	2	0.975	1.45	3	-1.70	-0.35	4	-0.975	1.45	5	0.00	-1.35
Pin	X	Y																				
1	1.70	-0.35																				
2	0.975	1.45																				
3	-1.70	-0.35																				
4	-0.975	1.45																				
5	0.00	-1.35																				

Technical characteristics			
Connector	M8	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	1.5 ... 2.5 Nm
Rated current	[A] 2	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 30	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-104
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Nylon, black		
Material(knurl)	Zinc die-cast/Nickel plated		

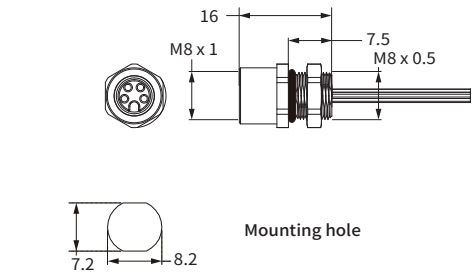
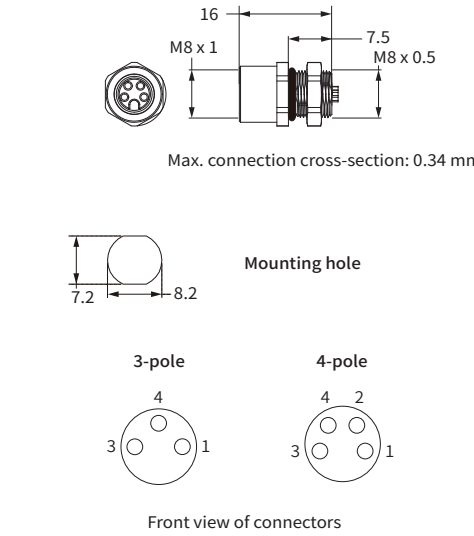
Technical characteristics			
Connector	M8	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	1.5 ... 2.5 Nm
Rated current	[A] 1.5	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 30	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-104
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Nylon, black		
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)																					
Sensor/Actuator Receptacles, rear mounting, female, PCB mounting, M8 A-code 	6-pole	M8A-FD6R-M12	11 02 006 2610	  Mounting hole Pin front view of connectors 6-pole  <table><tr><th>Pin</th><th>X</th><th>Y</th></tr><tr><td>1</td><td>1.37</td><td>-1.32</td></tr><tr><td>2</td><td>-1.37</td><td>-1.32</td></tr><tr><td>3</td><td>-1.75</td><td>-0.74</td></tr><tr><td>4</td><td>0.00</td><td>1.90</td></tr><tr><td>5</td><td>1.75</td><td>0.74</td></tr><tr><td>6</td><td>0.00</td><td>0.00</td></tr></table>	Pin	X	Y	1	1.37	-1.32	2	-1.37	-1.32	3	-1.75	-0.74	4	0.00	1.90	5	1.75	0.74	6	0.00	0.00
Pin	X	Y																							
1	1.37	-1.32																							
2	-1.37	-1.32																							
3	-1.75	-0.74																							
4	0.00	1.90																							
5	1.75	0.74																							
6	0.00	0.00																							

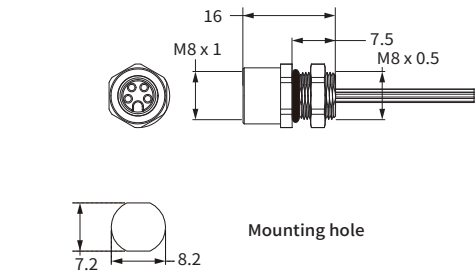
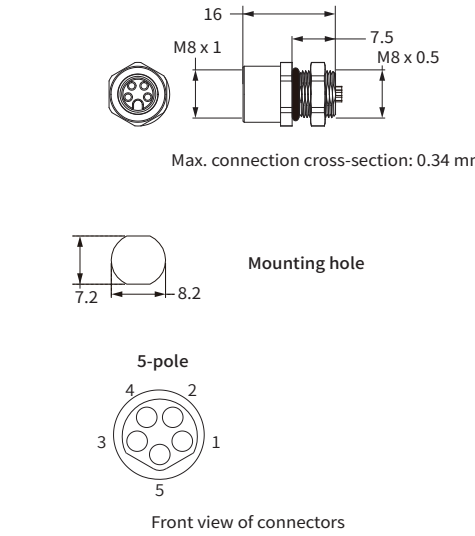
Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)																											
Sensor/Actuator Receptacles, rear mounting, female, PCB mounting, M8 A-code 	8-pole	M8A-FD8R-M12	11 02 008 2610	  Mounting hole Pin front view of connectors <table><tr><th>Pin</th><th>X</th><th>Y</th></tr><tr><td>1</td><td>0.90</td><td>-1.65</td></tr><tr><td>2</td><td>-0.90</td><td>-1.65</td></tr><tr><td>3</td><td>-1.85</td><td>-0.35</td></tr><tr><td>4</td><td>-1.45</td><td>1.20</td></tr><tr><td>5</td><td>0.00</td><td>1.85</td></tr><tr><td>6</td><td>1.45</td><td>1.20</td></tr><tr><td>7</td><td>1.85</td><td>-0.35</td></tr><tr><td>8</td><td>0.00</td><td>0.00</td></tr></table> 8-pole 	Pin	X	Y	1	0.90	-1.65	2	-0.90	-1.65	3	-1.85	-0.35	4	-1.45	1.20	5	0.00	1.85	6	1.45	1.20	7	1.85	-0.35	8	0.00	0.00
Pin	X	Y																													
1	0.90	-1.65																													
2	-0.90	-1.65																													
3	-1.85	-0.35																													
4	-1.45	1.20																													
5	0.00	1.85																													
6	1.45	1.20																													
7	1.85	-0.35																													
8	0.00	0.00																													

Technical characteristics			
Connector	M8		Material(seal)
Version	A-code		FPM/FKM
Rated current	[A]	3	Tightening torque
Rated voltage	[V]	60	1.5 ... 2.5 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature
Contact resistance	[mΩ]	≤5	[-25 ... +85 °C]
Material(grip body)	Zinc die-cast/Nickel plated		Degree of protection (IP)
Material(contact)	Brass, gold plated		IP67
Material(contact carrier)	Nylon, black		Mating cycles
Material(knurl)	Zinc die-cast/Nickel plated		≥100
			Pollution degree
			3
			Standard
			IEC61076-2-104
			RoHS
			compliant

Technical characteristics			
Connector	M8		Material(seal)
Version	B-code		FPM/FKM
Rated current	[A]	3	Tightening torque
Rated voltage	[V]	30	1.5 ... 2.5 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature
Contact resistance	[mΩ]	≤5	[-25 ... +85 °C]
Material(grip body)	Zinc die-cast/Nickel plated		Degree of protection (IP)
Material(contact)	Brass, gold plated		IP67
Material(contact carrier)	Nylon, black		Mating cycles
Material(knurl)	Zinc die-cast/Nickel plated		≥100
			Pollution degree
			3
			Standard
			IEC61076-2-104
			RoHS
			compliant

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , front mounting, female, individual wires, M8 A-code	3-pole	M8A-F3F-L0.5M8	11 02 003 3200	
	4-pole	M8A-F4F-L0.5M8	11 02 004 3200	
Sensor/Actuator Receptacles, front mounting, female, Solder Cup, M8 A-code	3-pole	M8A-FS3F-M8	11 02 003 3600	
	4-pole	M8A-FS4F-M8	11 02 004 3600	

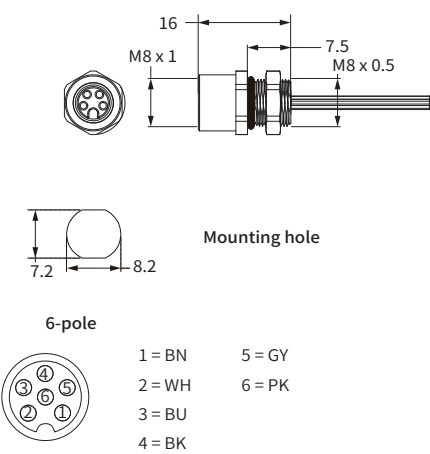
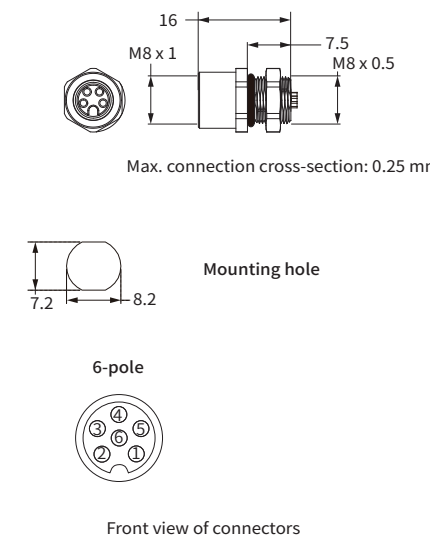
1): Standard cable length is 0.5m, variable cable length is optional

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , front mounting, female, individual wires, M8 B-code	5-pole	M8B-F5F-L0.5M8	11 07 005 3200	
	5-pole	M8B-F5F-M8	11 07 005 3600	
Sensor/Actuator Receptacles, front mounting, female, Solder Cup, M8 B-code	5-pole	M8B-FS5F-M8	11 07 005 3600	
	5-pole	M8B-FS5F-M8	11 07 005 3600	

1): Standard cable length is 0.5m, variable cable length is optional

Sensor/Actuator Receptacles, front mounting, 6-poles, female

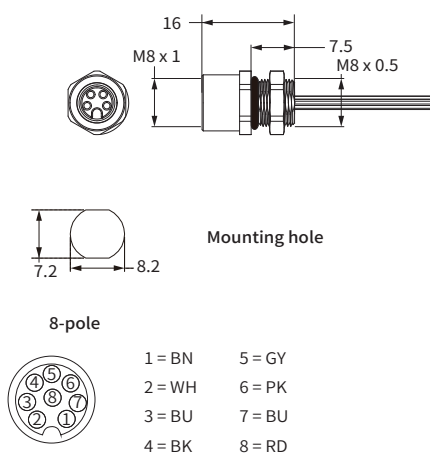
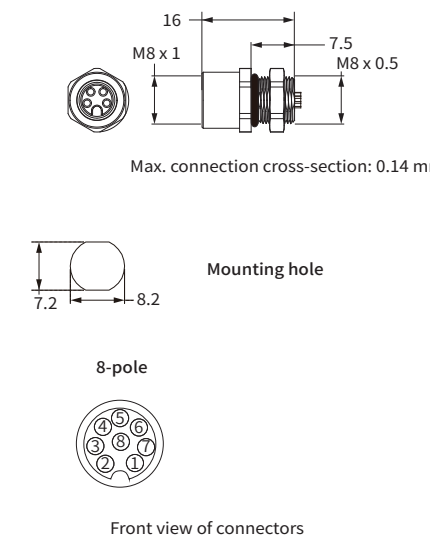
Technical characteristics			
Connector	M8		Material(seal)
Version	A-code		FPM/FKM
Rated current	[A]	2	Tightening torque
Rated voltage	[V]	30	1.5 ... 2.5 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature
Contact resistance	[mΩ]	≤5	[-25 ... +85 °C]
Material(grip body)	Zinc die-cast/Nickel plated		Degree of protection (IP)
Material(contact)	Brass, gold plated		IP67
Material(contact carrier)	Nylon, black		Mating cycles
Material(knurl)	Zinc die-cast/Nickel plated		≥100
			Pollution degree
			3
			Standard
			IEC61076-2-104
			RoHS
			compliant

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , front mounting, female, individual wires, M8 A-code	6-pole	M8A-F6F-L0.5M8	11 02 006 3200	
Sensor/Actuator Receptacles, front mounting, female, Solder Cup, M8 A-code	6-pole	M8A-FS6F-M8	11 02 006 3600	

1): Standard cable length is 0.5m, variable cable length is optional

Sensor/Actuator Receptacles, front mounting, 8-poles, female

Technical characteristics			
Connector	M8		Material(seal)
Version	A-code		FPM/FKM
Rated current	[A]	1.5	Tightening torque
Rated voltage	[V]	30	1.5 ... 2.5 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature
Contact resistance	[mΩ]	≤5	[-25 ... +85 °C]
Material(grip body)	Zinc die-cast/Nickel plated		Degree of protection (IP)
Material(contact)	Brass, gold plated		IP67
Material(contact carrier)	Nylon, black		Mating cycles
Material(knurl)	Zinc die-cast/Nickel plated		≥100
			Pollution degree
			3
			Standard
			IEC61076-2-104
			RoHS
			compliant

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , front mounting, female, individual wires, M8 A-code	8-pole	M8A-F8F-L0.5M8	11 02 008 3200	
Sensor/Actuator Receptacles, front mounting, female, Solder Cup, M8 A-code	8-pole	M8A-FS8F-M8	11 02 008 3600	

1): Standard cable length is 0.5m, variable cable length is optional

Technical characteristics			
Connector	M8	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	1.5 ... 2.5 Nm
Rated current	[A] 3	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 60	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-104
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Nylon, black		
Material(knurl)	Zinc die-cast/Nickel plated		

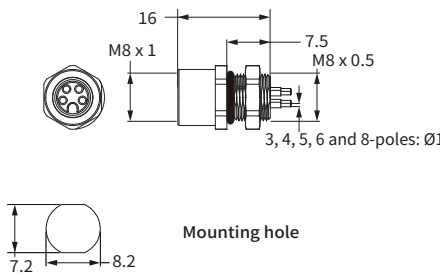
Technical characteristics			
Connector	M8	Material(seal)	FPM/FKM
Version	B-code	Tightening torque	1.5 ... 2.5 Nm
Rated current	[A] 3	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 30	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-104
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Nylon, black		
Material(knurl)	Zinc die-cast/Nickel plated		

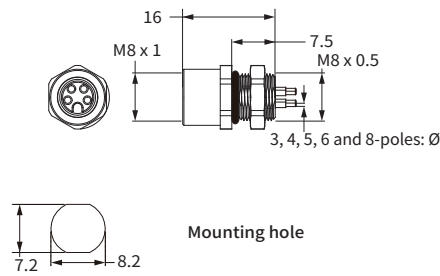
Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, front mounting, female, PCB mounting, M8 A-code	3-pole	M8A-FD3F-M8	11 02 003 3610	
	4-pole	M8A-FD4F-M8	11 02 004 3610	

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, front mounting, female, PCB mounting, M8 B-code	5-pole	M8B-FD5F-M8	11 07 005 3610	

Technical characteristics			
Connector	M8	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	1.5 ... 2.5 Nm
Rated current	[A] 2	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 30	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-104
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Nylon, black		
Material(knurl)	Zinc die-cast/Nickel plated		

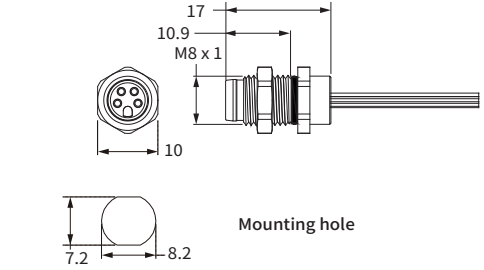
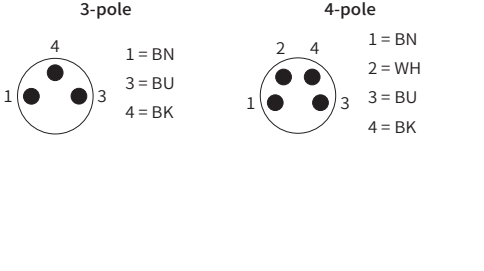
Technical characteristics			
Connector	M8	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	1.5 ... 2.5 Nm
Rated current	[A] 1.5	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 30	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-104
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Nylon, black		
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)																					
Sensor/Actuator Receptacles, front mounting, female, PCB mounting, M8 A-code 	6-pole	M8A-FD6F-M8	11 02 006 3610	 3, 4, 5, 6 and 8-poles: Ø1 Mounting hole Pin front view of connectors <table><tr><th>Pin</th><th>X</th><th>Y</th></tr><tr><td>1</td><td>1.37</td><td>-1.32</td></tr><tr><td>2</td><td>-1.37</td><td>-1.32</td></tr><tr><td>3</td><td>-1.75</td><td>-0.74</td></tr><tr><td>4</td><td>0.00</td><td>1.90</td></tr><tr><td>5</td><td>1.75</td><td>0.74</td></tr><tr><td>6</td><td>0.00</td><td>0.00</td></tr></table>	Pin	X	Y	1	1.37	-1.32	2	-1.37	-1.32	3	-1.75	-0.74	4	0.00	1.90	5	1.75	0.74	6	0.00	0.00
Pin	X	Y																							
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6	0.00	0.00																							

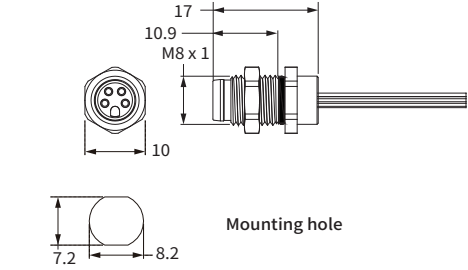
Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)																											
Sensor/Actuator Receptacles, front mounting, female, PCB mounting, M8 A-code 	8-pole	M8A-FD8F-M8	11 02 008 3610	 3, 4, 5, 6 and 8-poles: Ø1 Mounting hole Pin front view of connectors <table><tr><th>Pin</th><th>X</th><th>Y</th></tr><tr><td>1</td><td>0.90</td><td>-1.65</td></tr><tr><td>2</td><td>-0.90</td><td>-1.65</td></tr><tr><td>3</td><td>-1.85</td><td>-0.35</td></tr><tr><td>4</td><td>-1.45</td><td>1.20</td></tr><tr><td>5</td><td>0.00</td><td>1.85</td></tr><tr><td>6</td><td>1.45</td><td>1.20</td></tr><tr><td>7</td><td>1.85</td><td>-0.35</td></tr><tr><td>8</td><td>0.00</td><td>0.00</td></tr></table>	Pin	X	Y	1	0.90	-1.65	2	-0.90	-1.65	3	-1.85	-0.35	4	-1.45	1.20	5	0.00	1.85	6	1.45	1.20	7	1.85	-0.35	8	0.00	0.00
Pin	X	Y																													
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6	1.45	1.20																													
7	1.85	-0.35																													
8	0.00	0.00																													

Technical characteristics			
Connector	M8		Material(seal)
Version	A-code		FPM/FKM
Rated current	[A]	3	Tightening torque
Rated voltage	[V]	60	1.5 ... 2.5 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature
Contact resistance	[mΩ]	≤5	[-25 ... +85 °C]
Material(grip body)	Zinc die-cast/Nickel plated		Degree of protection (IP)
Material(contact)	Brass, gold plated		IP67
Material(contact carrier)	Nylon, black		Mating cycles
Material(knurl)	Zinc die-cast/Nickel plated		≥100
			Pollution degree
			3
			Standard
			IEC61076-2-104
			RoHS
			compliant

Technical characteristics			
Connector	M8		Material(seal)
Version	B-code		FPM/FKM
Rated current	[A]	3	Tightening torque
Rated voltage	[V]	30	1.5 ... 2.5 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature
Contact resistance	[mΩ]	≤5	[-25 ... +85 °C]
Material(grip body)	Zinc die-cast/Nickel plated		Degree of protection (IP)
Material(contact)	Brass, gold plated		IP67
Material(contact carrier)	Nylon, black		Mating cycles
Material(knurl)	Zinc die-cast/Nickel plated		≥100
			Pollution degree
			3
			Standard
			IEC61076-2-104
			RoHS
			compliant

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , rear mounting, male, individual wires, M8 A-code	3-pole	M8A-M3R-L0.5M8	11 02 003 2100	
	4-pole	M8A-M4R-L0.5M8	11 02 004 2100	
Sensor/Actuator Receptacles, rear mounting, male, Solder Cup, M8 A-code	3-pole	M8A-MS3R-M8	11 02 003 2500	
	4-pole	M8A-MS4R-M8	11 02 004 2500	
				Max. connection cross-section: 0.34 mm ²
				Front view of connectors

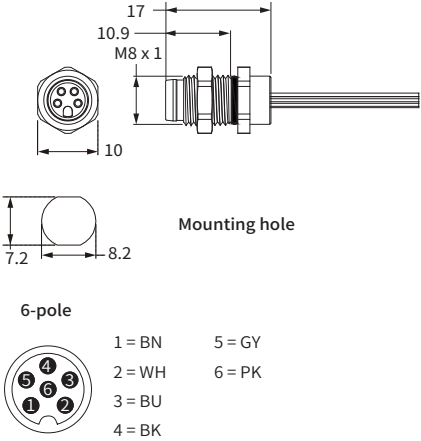
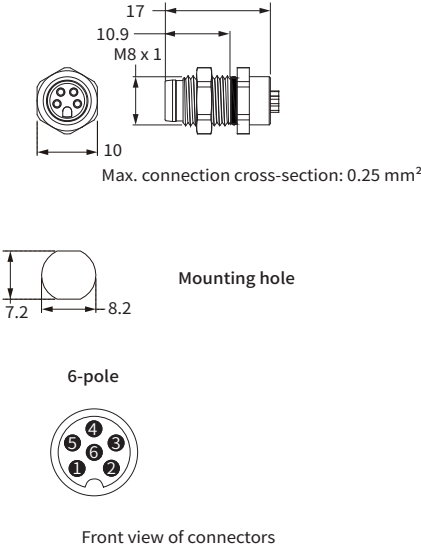
1): Standard cable length is 0.5m, variable cable length is optional

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , rear mounting, male, individual wires, M8 B-code	5-pole	M8B-M5R-L0.5M8	11 07 005 2100	
	5-pole	M8B-MS5R-M8	11 07 005 2500	
				Max. connection cross-section: 0.34 mm ²
				Front view of connectors

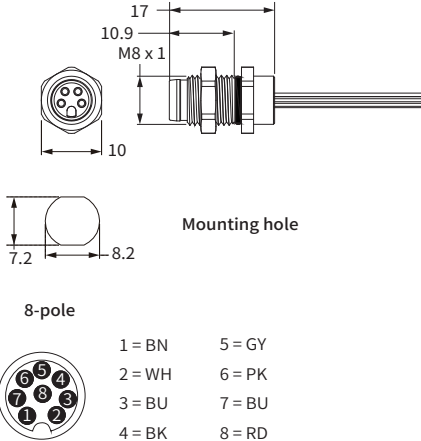
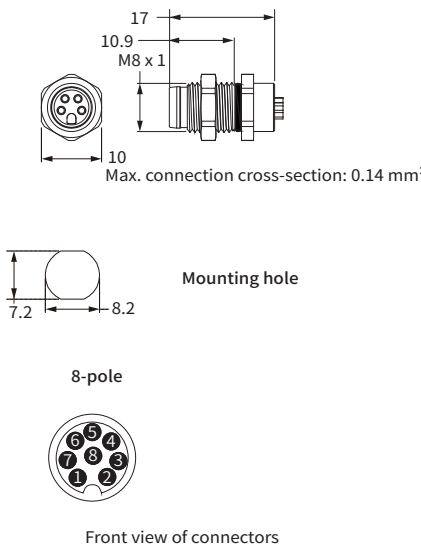
1): Standard cable length is 0.5m, variable cable length is optional

Technical characteristics					
Connector		M8	Material(seal)		FPM/FKM
Version		A-code	Tightening torque		1.5 ... 2.5 Nm
Rated current	[A]	2	Limiting temperature		[°C] -25 ... +85
Rated voltage	[V]	30	Degree of protection (IP)		IP67
Insulation resistance	[Ω]	≥10 ⁸	Mating cycles		≥100
Contact resistance	[mΩ]	≤5	Pollution degree		3
Material(grip body)		Zinc die-cast/Nickel plated	Standard		IEC61076-2-104
Material(contact)		Brass, gold plated	RoHS		compliant
Material(contact carrier)		Nylon, black			
Material(knurl)		Zinc die-cast/Nickel plated			

Technical characteristics					
Connector		M8	Material(seal)		FPM/FKM
Version		A-code	Tightening torque		1.5 ... 2.5 Nm
Rated current	[A]	1.5	Limiting temperature	[°C]	-25 ... +85
Rated voltage	[V]	30	Degree of protection (IP)		IP67
Insulation resistance	[Ω]	≥10 ⁸	Mating cycles		≥100
Contact resistance	[mΩ]	≤5	Pollution degree		3
Material(grip body)		Zinc die-cast/Nickel plated	Standard		IEC61076-2-104
Material(contact)		Brass, gold plated	RoHS		compliant
Material(contact carrier)		Nylon, black			
Material(knurl)		Zinc die-cast/Nickel plated			

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , rear mounting, male, individual wires, M8 A-code	6-pole	M8A-M6R-L0.5M8	11 02 006 2100	
Sensor/Actuator Receptacles, rear mounting, male, Solder Cup, M8 A-code	6-pole	M8A-MS6R-M8	11 02 006 2500	

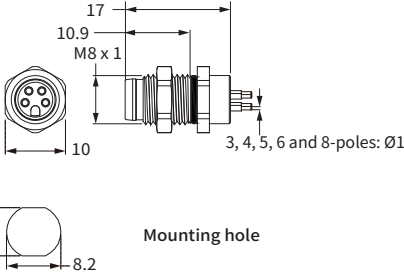
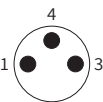
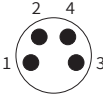
1): Standard cable length is 0.5m, variable cable length is optional

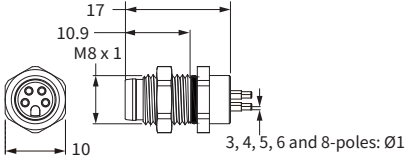
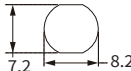
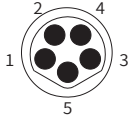
Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , rear mounting, male, individual wires, M8 A-code	8-pole	M8A-M8R-L0.5M8	11 02 008 2100	
Sensor/Actuator Receptacles, rear mounting, male, Solder Cup, M8 A-code	8-pole	M8A-MS8R-M8	11 02 008 2500	

1): Standard cable length is 0.5m, variable cable length is optional

Technical characteristics					
Connector		M8	Material(seal)		FPM/FKM
Version		A-code	Tightening torque		1.5 ... 2.5 Nm
Rated current	[A]	3	Limiting temperature		[°C] -25 ... +85
Rated voltage	[V]	60	Degree of protection (IP)		IP67
Insulation resistance	[Ω]	≥10 ⁸	Mating cycles		≥100
Contact resistance	[mΩ]	≤5	Pollution degree		3
Material(grip body)		Zinc die-cast/Nickel plated	Standard		IEC61076-2-104
Material(contact)		Brass, gold plated	RoHS		compliant
Material(contact carrier)		Nylon, black			
Material(knurl)		Zinc die-cast/Nickel plated			

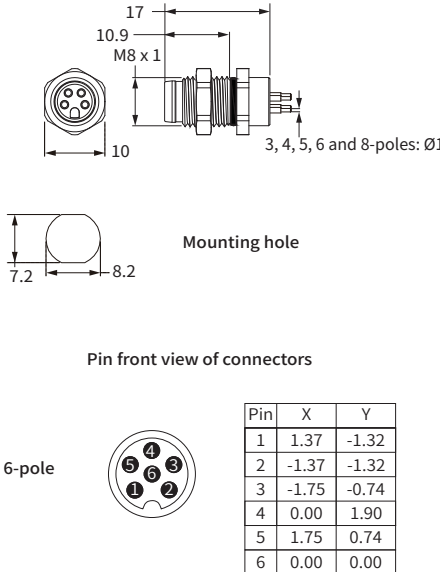
Technical characteristics					
Connector		M8	Material(seal)		FPM/FKM
Version		B-code	Tightening torque		1.5 ... 2.5 Nm
Rated current	[A]	3	Limiting temperature		[°C] -25 ... +85
Rated voltage	[V]	30	Degree of protection (IP)		IP67
Insulation resistance	[Ω]	≥10 ⁸	Mating cycles		≥100
Contact resistance	[mΩ]	≤5	Pollution degree		3
Material(grip body)		Zinc die-cast/Nickel plated	Standard		IEC61076-2-104
Material(contact)		Brass, gold plated	RoHS		compliant
Material(contact carrier)		Nylon, black			
Material(knurl)		Zinc die-cast/Nickel plated			

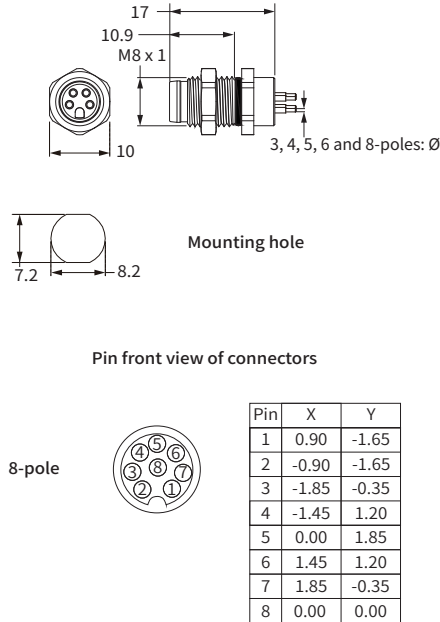
Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)																														
Sensor/Actuator Receptacles, rear mounting, male, PCB mounting, M8 A-code	3-pole	M8A-MD3R-M8	11 02 003 2510	 Pin front view of connectors 3-pole <table><tr><th>Pin</th><th>X</th><th>Y</th></tr><tr><td>1</td><td>1.75</td><td>0.00</td></tr><tr><td>2</td><td>-</td><td>-</td></tr><tr><td>3</td><td>-1.75</td><td>0.00</td></tr><tr><td>4</td><td>0.00</td><td>1.75</td></tr></table> 4-pole <table><tr><th>Pin</th><th>X</th><th>Y</th></tr><tr><td>1</td><td>1.70</td><td>-0.50</td></tr><tr><td>2</td><td>1.08</td><td>1.45</td></tr><tr><td>3</td><td>-1.70</td><td>-0.50</td></tr><tr><td>4</td><td>-1.08</td><td>1.45</td></tr></table>	Pin	X	Y	1	1.75	0.00	2	-	-	3	-1.75	0.00	4	0.00	1.75	Pin	X	Y	1	1.70	-0.50	2	1.08	1.45	3	-1.70	-0.50	4	-1.08	1.45
Pin	X	Y																																
1	1.75	0.00																																
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	4-pole	M8A-MD4R-M8	11 02 004 2510																															

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)																		
Sensor/Actuator Receptacles, rear mounting, male, PCB mounting, M8 B-code	5-pole	M8B-MD5R-M8	11 07 005 2510	 Mounting hole Pin front view of connectors 5-pole <table><tr><th>Pin</th><th>X</th><th>Y</th></tr><tr><td>1</td><td>1.70</td><td>-0.35</td></tr><tr><td>2</td><td>0.975</td><td>1.45</td></tr><tr><td>3</td><td>-1.70</td><td>-0.35</td></tr><tr><td>4</td><td>-0.975</td><td>1.45</td></tr><tr><td>5</td><td>0.00</td><td>-1.35</td></tr></table>	Pin	X	Y	1	1.70	-0.35	2	0.975	1.45	3	-1.70	-0.35	4	-0.975	1.45	5	0.00	-1.35
Pin	X	Y																				
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Technical characteristics				
Connector		M8	Material(seal)	FPM/FKM
Version		A-code	Tightening torque	1.5 ... 2.5 Nm
Rated current	[A]	2	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V]	30	Degree of protection (IP)	IP67
Insulation resistance	[Ω]	≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ]	≤5	Pollution degree	3
Material(grip body)		Zinc die-cast/Nickel plated	Standard	IEC61076-2-104
Material(contact)		Brass, gold plated	RoHS	compliant
Material(contact carrier)		Nylon, black		
Material(knurl)		Zinc die-cast/Nickel plated		

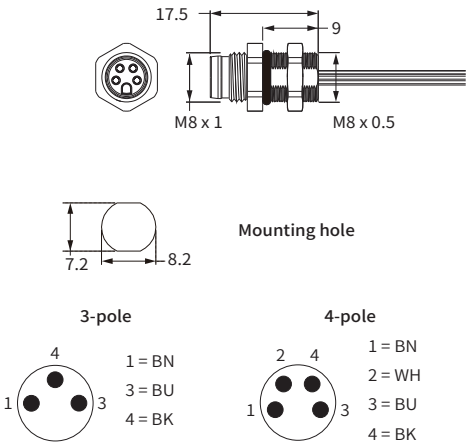
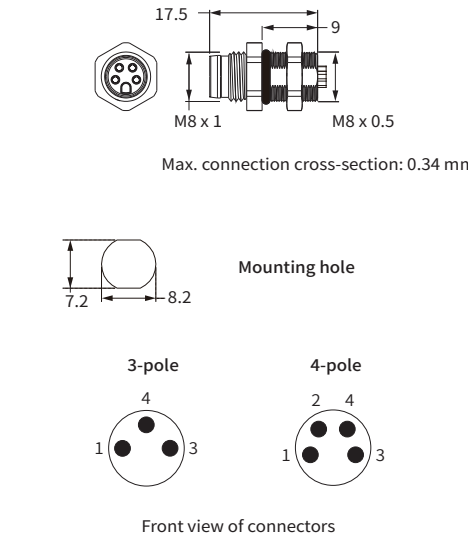
Technical characteristics				
Connector		M8	Material(seal)	FPM/FKM
Version		A-code	Tightening torque	1.5 ... 2.5 Nm
Rated current	[A]	1.5	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V]	30	Degree of protection (IP)	IP67
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Material(grip body)		Zinc die-cast/Nickel plated	Standard	IEC61076-2-104
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Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)																					
Sensor/Actuator Receptacles, rear mounting, male, PCB mounting, M8 A-code 	6-pole	M8A-MD6R-M8	11 02 006 2510	 3, 4, 5, 6 and 8-poles: Ø1 Mounting hole Pin front view of connectors <table><tr><th>Pin</th><th>X</th><th>Y</th></tr><tr><td>1</td><td>1.37</td><td>-1.32</td></tr><tr><td>2</td><td>-1.37</td><td>-1.32</td></tr><tr><td>3</td><td>-1.75</td><td>-0.74</td></tr><tr><td>4</td><td>0.00</td><td>1.90</td></tr><tr><td>5</td><td>1.75</td><td>0.74</td></tr><tr><td>6</td><td>0.00</td><td>0.00</td></tr></table>	Pin	X	Y	1	1.37	-1.32	2	-1.37	-1.32	3	-1.75	-0.74	4	0.00	1.90	5	1.75	0.74	6	0.00	0.00
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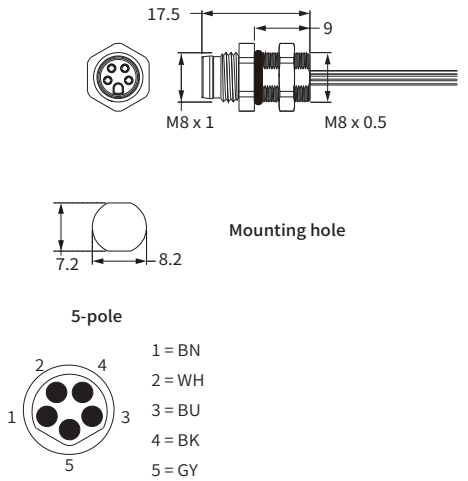
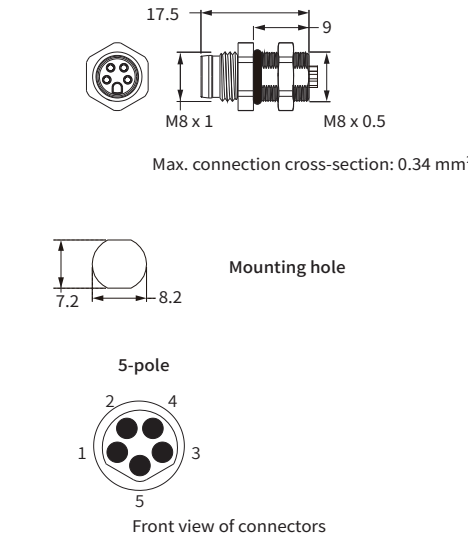
Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)																											
Sensor/Actuator Receptacles, rear mounting, male, PCB mounting, M8 A-code 	8-pole	M8A-MD8R-M8	11 02 008 2510	 3, 4, 5, 6 and 8-poles: Ø1 Mounting hole Pin front view of connectors <table><tr><th>Pin</th><th>X</th><th>Y</th></tr><tr><td>1</td><td>0.90</td><td>-1.65</td></tr><tr><td>2</td><td>-0.90</td><td>-1.65</td></tr><tr><td>3</td><td>-1.85</td><td>-0.35</td></tr><tr><td>4</td><td>-1.45</td><td>1.20</td></tr><tr><td>5</td><td>0.00</td><td>1.85</td></tr><tr><td>6</td><td>1.45</td><td>1.20</td></tr><tr><td>7</td><td>1.85</td><td>-0.35</td></tr><tr><td>8</td><td>0.00</td><td>0.00</td></tr></table>	Pin	X	Y	1	0.90	-1.65	2	-0.90	-1.65	3	-1.85	-0.35	4	-1.45	1.20	5	0.00	1.85	6	1.45	1.20	7	1.85	-0.35	8	0.00	0.00
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Technical characteristics			
Connector	M8		Material(seal)
Version	A-code		FPM/FKM
Rated current	[A]	3	Tightening torque
Rated voltage	[V]	60	1.5 ... 2.5 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature
Contact resistance	[mΩ]	≤5	[-25 ... +85 °C]
Material(grip body)	Zinc die-cast/Nickel plated		Degree of protection (IP)
Material(contact)	Brass, gold plated		IP67
Material(contact carrier)	Nylon, black		Mating cycles
Material(knurl)	Zinc die-cast/Nickel plated		≥100
			Pollution degree
			3
			Standard
			IEC61076-2-104
			RoHS
			compliant

Technical characteristics			
Connector	M8		Material(seal)
Version	B-code		FPM/FKM
Rated current	[A]	3	Tightening torque
Rated voltage	[V]	30	1.5 ... 2.5 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature
Contact resistance	[mΩ]	≤5	[-25 ... +85 °C]
Material(grip body)	Zinc die-cast/Nickel plated		Degree of protection (IP)
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			Standard
			IEC61076-2-104
			RoHS
			compliant

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , front mounting, male, individual wires, M8 A-code	3-pole	M8A-M3F-L0.5M8	11 02 003 3100	
	4-pole	M8A-M4F-L0.5M8	11 02 004 3100	
Sensor/Actuator Receptacles, front mounting, male, Solder Cup, M8 A-code	3-pole	M8A-MS3F-M8	11 02 003 3500	
	4-pole	M8A-MS4F-M8	11 02 004 3500	

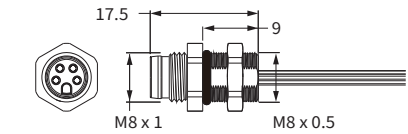
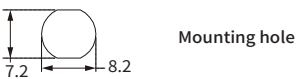
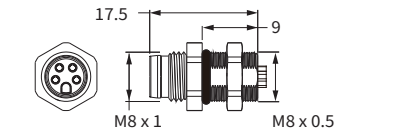
1): Standard cable length is 0.5m, variable cable length is optional; Fastening M10x0.75 is optional.

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , front mounting, male, individual wires, M8 B-code	5-pole	M8B-M5F-L0.5M8	11 07 005 3100	
Sensor/Actuator Receptacles, front mounting, male, Solder Cup, M8 B-code	5-pole	M8B-MS5F-M8	11 07 005 3500	

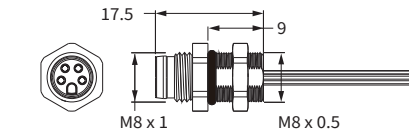
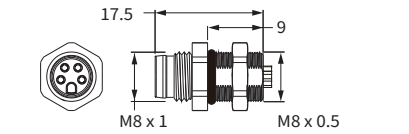
1): Standard cable length is 0.5m, variable cable length is optional; Fastening M10x0.75 is optional.

Technical characteristics			
Connector	M8		Material(seal)
Version	A-code		FPM/FKM
Rated current	[A]	2	Tightening torque
Rated voltage	[V]	30	1.5 ... 2.5 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature
Contact resistance	[mΩ]	≤5	[-25 ... +85 °C]
Material(grip body)	Zinc die-cast/Nickel plated		Degree of protection (IP)
Material(contact)	Brass, gold plated		IP67
Material(contact carrier)	Nylon, black		Mating cycles
Material(knurl)	Zinc die-cast/Nickel plated		≥100
			Pollution degree
			3
			Standard
			IEC61076-2-104
			RoHS
			compliant

Technical characteristics			
Connector	M8		Material(seal)
Version	A-code		FPM/FKM
Rated current	[A]	1.5	Tightening torque
Rated voltage	[V]	30	1.5 ... 2.5 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature
Contact resistance	[mΩ]	≤5	[-25 ... +85 °C]
Material(grip body)	Zinc die-cast/Nickel plated		Degree of protection (IP)
Material(contact)	Brass, gold plated		IP67
Material(contact carrier)	Nylon, black		Mating cycles
Material(knurl)	Zinc die-cast/Nickel plated		≥100
			Pollution degree
			3
			Standard
			IEC61076-2-104
			RoHS
			compliant

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , front mounting, male, individual wires, M8 A-code	6-pole	M8A-M6F-L0.5M8	11 02 006 3100	  6-pole 1 = BN 5 = GY 2 = WH 6 = PK 3 = BU 4 = BK
Sensor/Actuator Receptacles, front mounting, male, Solder Cup, M8 A-code	6-pole	M8A-MS6F-M8	11 02 006 3500	 Max. connection cross-section: 0.25 mm ²  6-pole Front view of connectors

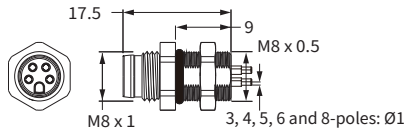
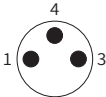
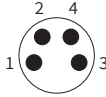
1): Standard cable length is 0.5m, variable cable length is optional; Fastening M10x0.75 is optional.

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , front mounting, male, individual wires, M8 A-code	8-pole	M8A-M8F-L0.5M8	11 02 008 3100	  8-pole 1 = BN 5 = GY 2 = WH 6 = PK 3 = BU 7 = BU 4 = BK 8 = RD
Sensor/Actuator Receptacles, front mounting, male, Solder Cup, M8 A-code	8-pole	M8A-MS8F-M8	11 02 008 3500	 Max. connection cross-section: 0.14 mm ²  8-pole Front view of connectors

1): Standard cable length is 0.5m, variable cable length is optional; Fastening M10x0.75 is optional.

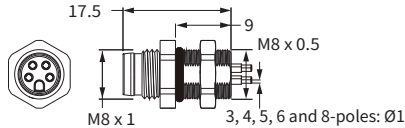
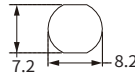
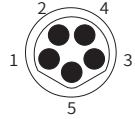
Technical characteristics			
Connector	M8	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	1.5 ... 2.5 Nm
Rated current	[A] 3	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 60	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-104
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Nylon, black		
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M8	Material(seal)	FPM/FKM
Version	B-code	Tightening torque	1.5 ... 2.5 Nm
Rated current	[A] 3	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 30	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-104
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Nylon, black		
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)																														
Sensor/Actuator Receptacles, front mounting, male, PCB mounting, M8 A-code	3-pole	M8A-MD3F-M8	11 02 003 3510	  Pin front view of connectors 3-pole <table><tr><th>Pin</th><th>X</th><th>Y</th></tr><tr><td>1</td><td>1.75</td><td>0.00</td></tr><tr><td>2</td><td>-</td><td>-</td></tr><tr><td>3</td><td>-1.75</td><td>0.00</td></tr><tr><td>4</td><td>0.00</td><td>1.75</td></tr></table> 4-pole <table><tr><th>Pin</th><th>X</th><th>Y</th></tr><tr><td>1</td><td>1.70</td><td>-0.50</td></tr><tr><td>2</td><td>1.08</td><td>1.45</td></tr><tr><td>3</td><td>-1.70</td><td>-0.50</td></tr><tr><td>4</td><td>-1.08</td><td>1.45</td></tr></table>	Pin	X	Y	1	1.75	0.00	2	-	-	3	-1.75	0.00	4	0.00	1.75	Pin	X	Y	1	1.70	-0.50	2	1.08	1.45	3	-1.70	-0.50	4	-1.08	1.45
	Pin	X	Y																															
1	1.75	0.00																																
2	-	-																																
3	-1.75	0.00																																
4	0.00	1.75																																
Pin	X	Y																																
1	1.70	-0.50																																
2	1.08	1.45																																
3	-1.70	-0.50																																
4	-1.08	1.45																																
4-pole	M8A-MD4F-M8	11 02 004 3510																																

Fastening M10x0.75 is opional.

Fastening M10x0.75 is optional.

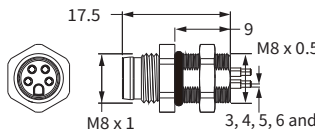
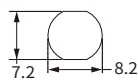
Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)																		
Sensor/Actuator Receptacles, front mounting, male, PCB mounting, M8 B-code 	5-pole	M8B-MD5F-M8	11 07 005 3510	 Mounting hole Pin front view of connectors 5-pole  <table><tr><th>Pin</th><th>X</th><th>Y</th></tr><tr><td>1</td><td>1.70</td><td>-0.35</td></tr><tr><td>2</td><td>0.975</td><td>1.45</td></tr><tr><td>3</td><td>-1.70</td><td>-0.35</td></tr><tr><td>4</td><td>-0.975</td><td>1.45</td></tr><tr><td>5</td><td>0.00</td><td>-1.35</td></tr></table>	Pin	X	Y	1	1.70	-0.35	2	0.975	1.45	3	-1.70	-0.35	4	-0.975	1.45	5	0.00	-1.35
Pin	X	Y																				
1	1.70	-0.35																				
2	0.975	1.45																				
3	-1.70	-0.35																				
4	-0.975	1.45																				
5	0.00	-1.35																				

Fastening M10x0.75 is optional.

Fastening M10x0.75 is optional.

Technical characteristics

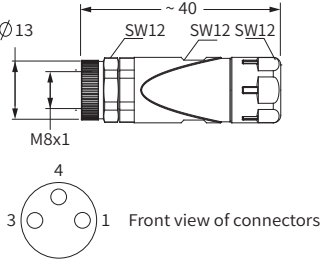
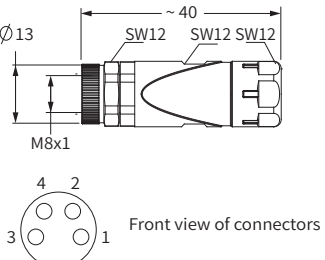
Connector	M8	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	1.5 ... 2.5 Nm
Rated current	[A]	Limiting temperature	[-25 ... +85 °C]
Rated voltage	[V]	Degree of protection (IP)	IP67
Insulation resistance	[Ω]	Mating cycles	≥100
Contact resistance	[mΩ]	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-104
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Nylon, black		
Material(knurl)	Zinc die-cast/Nickel plated		

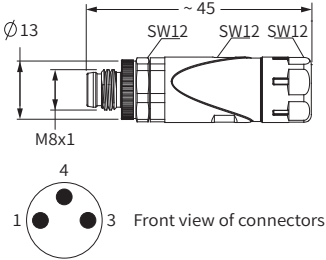
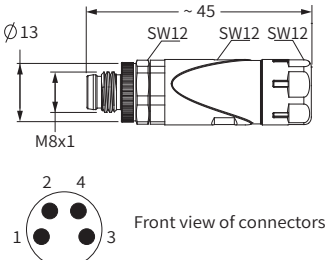
Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)																											
Sensor/Actuator Receptacles, front mounting, male, PCB mounting, M8 A-code 	8-pole	M8A-MD8F-M8	11 02 008 3510	  Mounting hole Pin front view of connectors 8-pole  <table><tr><th>Pin</th><th>X</th><th>Y</th></tr><tr><td>1</td><td>0.90</td><td>-1.65</td></tr><tr><td>2</td><td>-0.90</td><td>-1.65</td></tr><tr><td>3</td><td>-1.85</td><td>-0.35</td></tr><tr><td>4</td><td>-1.45</td><td>1.20</td></tr><tr><td>5</td><td>0.00</td><td>1.85</td></tr><tr><td>6</td><td>1.45</td><td>1.20</td></tr><tr><td>7</td><td>1.85</td><td>-0.35</td></tr><tr><td>8</td><td>0.00</td><td>0.00</td></tr></table>	Pin	X	Y	1	0.90	-1.65	2	-0.90	-1.65	3	-1.85	-0.35	4	-1.45	1.20	5	0.00	1.85	6	1.45	1.20	7	1.85	-0.35	8	0.00	0.00
Pin	X	Y																													
1	0.90	-1.65																													
2	-0.90	-1.65																													
3	-1.85	-0.35																													
4	-1.45	1.20																													
5	0.00	1.85																													
6	1.45	1.20																													
7	1.85	-0.35																													
8	0.00	0.00																													

Fastening M10x0.75 is optional.

Technical characteristics			
Connector	M8		Material(knurl)
Version	A-code		Zinc die-cast/Nickel plated
Connection method	Screw		Material(seal)
Rated current	[A]	3	FPM/FKM
Rated voltage	[V]	60	Limiting temperature
Insulation resistance	[Ω]	≥10 ⁸	[°C]
Contact resistance	[mΩ]	≤5	-25 ... +85
Material(grip body)	PA-black		Degree of protection (IP)
Material(contact)	Brass, gold plated		IP67
Material(contact carrier)	PA-black		Mating cycles
			≥100
			Pollution degree
			3
			Standard
			IEC61076-2-104
			RoHS
			compliant

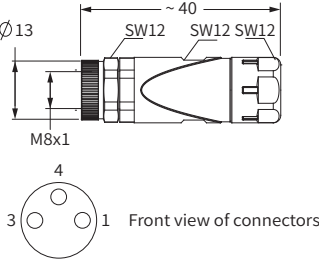
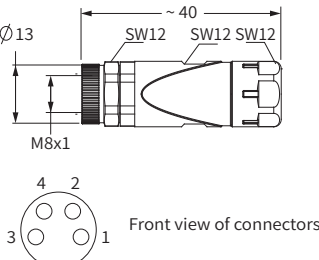
Technical characteristics			
Connector	M8		Material(knurl)
Version	A-code		Zinc die-cast/Nickel plated
Connection method	Screw		Material(seal)
Rated current	[A]	3	FPM/FKM
Rated voltage	[V]	60	Limiting temperature
Insulation resistance	[Ω]	≥10 ⁸	[°C]
Contact resistance	[mΩ]	≤5	-25 ... +85
Material(grip body)	PA-black		Degree of protection (IP)
Material(contact)	Brass, gold plated		IP67
Material(contact carrier)	PA-black		Mating cycles
			≥100
			Pollution degree
			3
			Standard
			IEC61076-2-104
			RoHS
			compliant

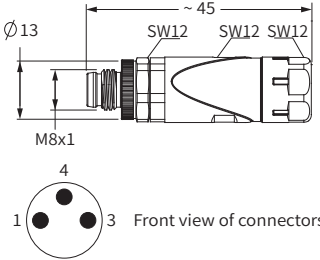
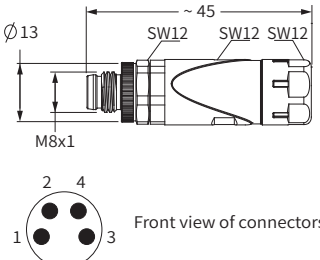
Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
3-pole, straight, female, M8 A-code, cable diameter: 3.5 ... 5 mm	0.14 ... 0.5 mm ²	M8A-F3S-D5	11 02 003 1290	
4-pole, straight, female, M8 A-code, cable diameter: 3.5 ... 5 mm	0.14 ... 0.5 mm ²	M8A-F4S-D5	11 02 004 1290	

Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
3-pos., straight, male, M8 A-code, cable diameter: 3.5 ... 5 mm	0.14 ... 0.5 mm ²	M8A-M3S-D5	11 02 003 1190	
4-pos., straight, male, M8 A-code, cable diameter: 3.5 ... 5 mm	0.14 ... 0.5 mm ²	M8A-M4S-D5	11 02 004 1190	

Technical characteristics			
Connector	M8		Material(knurl)
Version	A-code		Zinc die-cast/Nickel plated
Connection method	Screw		Material(seal)
Rated current	[A]	3	FPM/FKM
Rated voltage	[V]	60	Limiting temperature
Insulation resistance	[Ω]	≥10 ⁸	[°C]
Contact resistance	[mΩ]	≤5	-25 ... +85
Material(grip body)	Zinc die-cast/Nickel plated		Degree of protection (IP)
Material(contact)	Brass, gold plated		IP67
Material(contact carrier)	PA-black		Mating cycles
			≥100
			Pollution degree
			3
			Standard
			IEC61076-2-104
			RoHS
			compliant

Technical characteristics			
Connector	M8		Material(knurl)
Version	A-code		Zinc die-cast/Nickel plated
Connection method	Screw		Material(seal)
Rated current	[A]	3	FPM/FKM
Rated voltage	[V]	60	Limiting temperature
Insulation resistance	[Ω]	≥10 ⁸	[°C]
Contact resistance	[mΩ]	≤5	-25 ... +85
Material(grip body)	Zinc die-cast/Nickel plated		Degree of protection (IP)
Material(contact)	Brass, gold plated		IP67
Material(contact carrier)	PA-black		Mating cycles
			≥100
			Pollution degree
			3
			Standard
			IEC61076-2-104
			RoHS
			compliant

Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
3-pole, straight, female, M8 A-code, cable diameter: 3.5 ... 5.5 mm	0.14 ... 0.5 mm ²	M8A-SF3S-D5.5	11 02 103 1290	
4-pole, straight, female, M8 A-code, cable diameter: 3.5 ... 5.5 mm	0.14 ... 0.5 mm ²	M8A-SF4S-D5.5	11 02 104 1290	

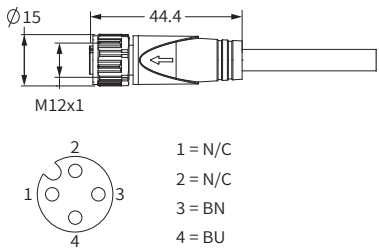
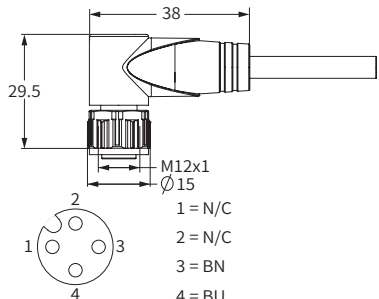
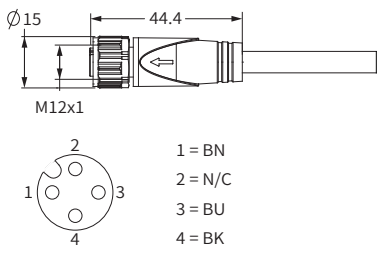
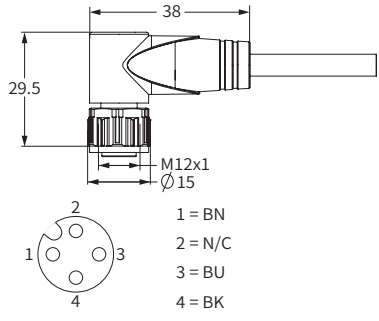
Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
3-pos., straight, male, M8 A-code, cable diameter: 3.5 ... 5.5 mm	0.14 ... 0.5 mm ²	M8A-SM3S-D5.5	11 02 103 1190	
4-pos., straight, male, M8 A-code, cable diameter: 3.5 ... 5.5 mm	0.14 ... 0.5 mm ²	M8A-SM4S-D5.5	11 02 104 1190	

M12

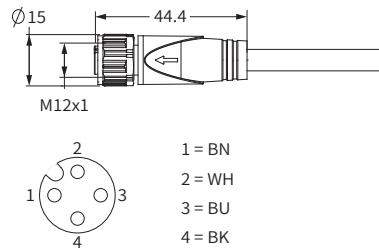
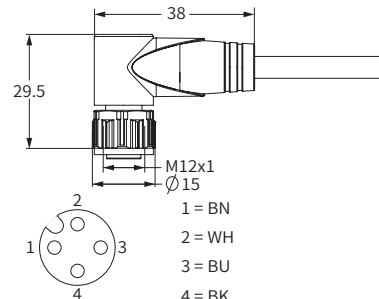
Contents	Pages
M12.....	04-01
Sensor/Actuator Cordsets	04-03
Sensor/Actuator Receptacles	05-01
Field Wireable Connectors	06-01

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 4	Tightening torque	0.4 Nm
Rated voltage	[V] 250	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 4	Tightening torque	0.4 Nm
Rated voltage	[V] 250	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
2-pole, straight, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F2S-L2V	11 03 002 1200	 1 = N/C 2 = N/C 3 = BN 4 = BU
	5 m	M12A-F2S-L5V	11 03 002 1201	
	10 m	M12A-F2S-L10V	11 03 002 1202	
2-pole, angled, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F2A-L2V	11 03 002 0200	 1 = N/C 2 = N/C 3 = BN 4 = BU
	5 m	M12A-F2A-L5V	11 03 002 0201	
	10 m	M12A-F2A-L10V	11 03 002 0202	
3-pole, straight, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F3S-L2V	11 03 003 1200	 1 = BN 2 = N/C 3 = BU 4 = BK
	5 m	M12A-F3S-L5V	11 03 003 1201	
	10 m	M12A-F3S-L10V	11 03 003 1202	
3-pole, angled, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F3A-L2V	11 03 003 0200	 1 = BN 2 = N/C 3 = BU 4 = BK
	5 m	M12A-F3A-L5V	11 03 003 0201	
	10 m	M12A-F3A-L10V	11 03 003 0202	

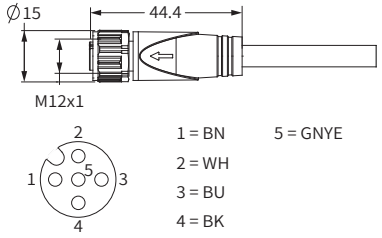
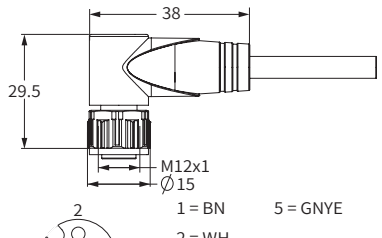
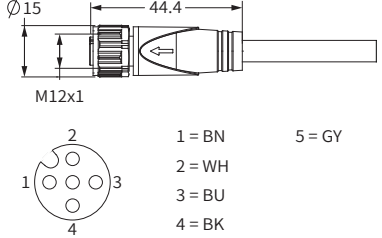
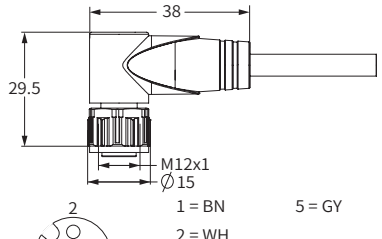
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
4-pole, straight, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F4S-L2V	11 03 004 1200	 1 = BN 2 = WH 3 = BU 4 = BK
	5 m	M12A-F4S-L5V	11 03 004 1201	
	10 m	M12A-F4S-L10V	11 03 004 1202	
4-pole, angled, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F4A-L2V	11 03 004 0200	 1 = BN 2 = WH 3 = BU 4 = BK
	5 m	M12A-F4A-L5V	11 03 004 0201	
	10 m	M12A-F4A-L10V	11 03 004 0202	

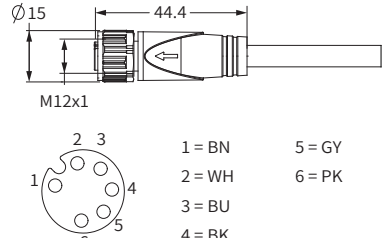
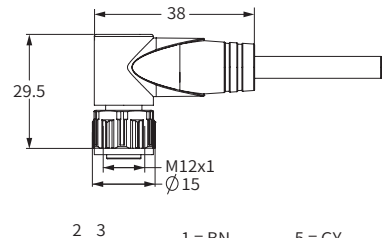
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 4	Tightening torque	0.4 Nm
Rated voltage	[V] 60	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 2	Tightening torque	0.4 Nm
Rated voltage	[V] 30	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

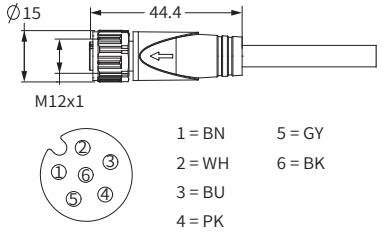
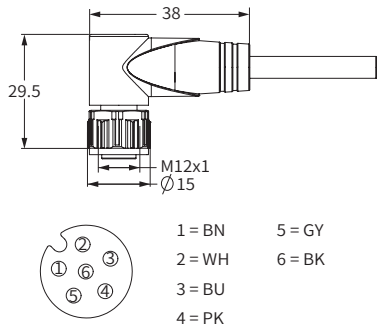
Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
5-pole(+PE), straight, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F5S-L2V-5GNYE	11 03 005 1280	 1 = BN 5 = GNYE 2 = WH 3 = BU 4 = BK
	5 m	M12A-F5S-L5V-5GNYE	11 03 005 1281	
	10 m	M12A-F5S-L10V-5GNYE	11 03 005 1282	
5-pole(+PE), angled, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F5A-L2V-5GNYE	11 03 005 0280	 1 = BN 5 = GNYE 2 = WH 3 = BU 4 = BK
	5 m	M12A-F5A-L5V-5GNYE	11 03 005 0281	
	10 m	M12A-F5A-L10V-5GNYE	11 03 005 0282	
5-pole, straight, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F5S-L2V	11 03 005 1200	 1 = BN 5 = GY 2 = WH 3 = BU 4 = BK
	5 m	M12A-F5S-L5V	11 03 005 1201	
	10 m	M12A-F5S-L10V	11 03 005 1202	
5-pole, angled, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F5A-L2V	11 03 005 0200	 1 = BN 5 = GY 2 = WH 3 = BU 4 = BK
	5 m	M12A-F5A-L5V	11 03 005 0201	
	10 m	M12A-F5A-L10V	11 03 005 0202	

1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
6-pole, straight, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F6S-L2V	11 03 006 1200	 1 = BN 5 = GY 2 = WH 6 = PK 3 = BU 4 = BK
	5 m	M12A-F6S-L5V	11 03 006 1201	
	10 m	M12A-F6S-L10V	11 03 006 1202	
6-pole, angled, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F6A-L2V	11 03 006 0200	 1 = BN 5 = GY 2 = WH 6 = PK 3 = BU 4 = BK
	5 m	M12A-F6A-L5V	11 03 006 0201	
	10 m	M12A-F6A-L10V	11 03 006 0202	

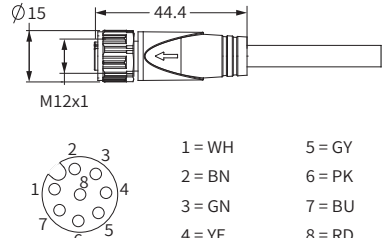
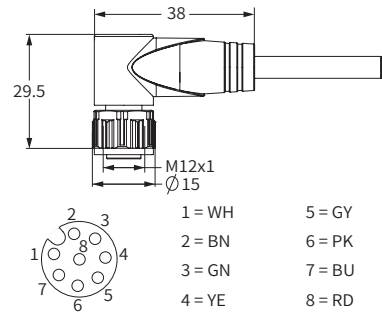
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 4	Tightening torque	0.4 Nm
Rated voltage	[V] 30	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
6-pole(4+2), straight, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F6S/B-L2V	11 03 006 1210	 Ø15 44.4 M12x1 1 = BN 5 = GY 2 = WH 6 = BK 3 = BU 4 = PK
	5 m	M12A-F6S/B-L5V	11 03 006 1211	
	10 m	M12A-F6S/B-L10V	11 03 006 1212	
6-pole(4+2), angled, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F6A/B-L2V	11 03 006 0210	 38 29.5 M12x1 Ø15 1 = BN 5 = GY 2 = WH 6 = BK 3 = BU 4 = PK
	5 m	M12A-F6A/B-L5V	11 03 006 0211	
	10 m	M12A-F6A/B-L10V	11 03 006 0212	

1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

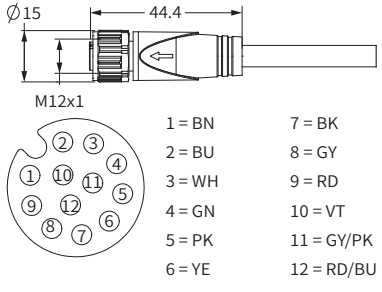
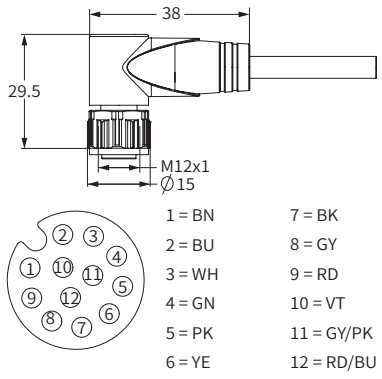
Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 2	Tightening torque	0.4 Nm
Rated voltage	[V] 30	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
8-pole, straight, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F8S-L2V	11 03 008 1200	 Ø15 44.4 M12x1 1 = WH 5 = GY 2 = BN 6 = PK 3 = GN 7 = BU 4 = YE 8 = RD
	5 m	M12A-F8S-L5V	11 03 008 1201	
	10 m	M12A-F8S-L10V	11 03 008 1202	
8-pole, angled, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F8A-L2V	11 03 008 0200	 38 29.5 M12x1 Ø15 1 = WH 5 = GY 2 = BN 6 = PK 3 = GN 7 = BU 4 = YE 8 = RD
	5 m	M12A-F8A-L5V	11 03 008 0201	
	10 m	M12A-F8A-L10V	11 03 008 0202	

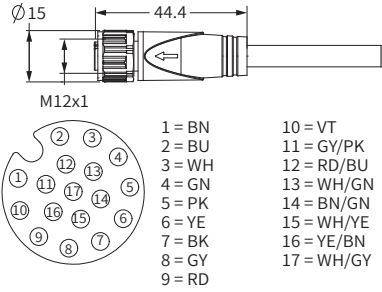
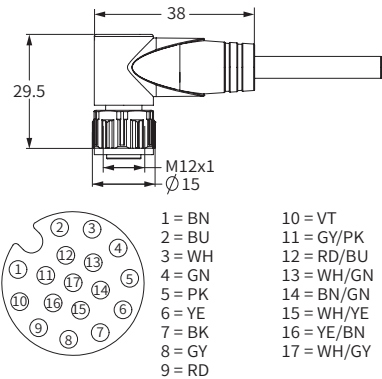
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 1.5	Tightening torque	0.4 Nm
Rated voltage	[V] 30	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 1.5	Tightening torque	0.4 Nm
Rated voltage	[V] 30	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

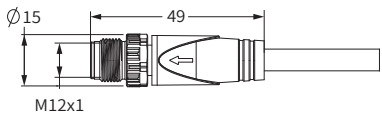
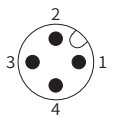
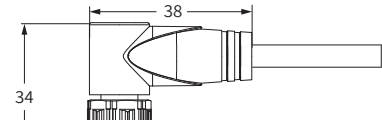
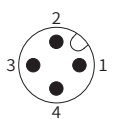
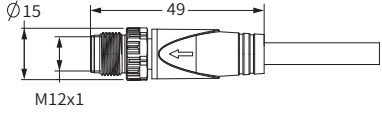
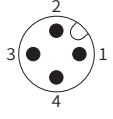
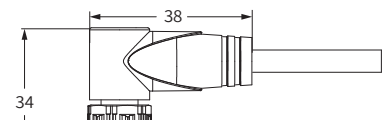
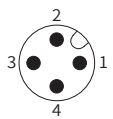
Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
12-pole, straight, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F12S-L2V	11 03 012 1200	 Ø15 44.4 M12x1 1 = BN 7 = BK 2 = BU 8 = GY 3 = WH 9 = RD 4 = GN 10 = VT 5 = PK 11 = GY/PK 6 = YE 12 = RD/BU
	5 m	M12A-F12S-L5V	11 03 012 1201	
	10 m	M12A-F12S-L10V	11 03 012 1202	
12-pole, angled, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F12A-L2V	11 03 012 0200	 38 29.5 M12x1 Ø15 1 = BN 7 = BK 2 = BU 8 = GY 3 = WH 9 = RD 4 = GN 10 = VT 5 = PK 11 = GY/PK 6 = YE 12 = RD/BU
	5 m	M12A-F12A-L5V	11 03 012 0201	
	10 m	M12A-F12A-L10V	11 03 012 0202	

1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
17-pole, straight, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F17S-L2V	11 03 017 1200	 Ø15 44.4 M12x1 1 = BN 10 = VT 2 = BU 11 = GY/PK 3 = WH 12 = RD/BU 4 = GN 13 = WH/GN 5 = PK 14 = BN/GN 6 = YE 15 = WH/YE 7 = BK 16 = YE/BN 8 = GY 17 = WH/GY 9 = RD
	5 m	M12A-F17S-L5V	11 03 017 1201	
	10 m	M12A-F17S-L10V	11 03 017 1202	
17-pole, angled, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F17A-L2V	11 03 017 0200	 38 29.5 M12x1 Ø15 1 = BN 10 = VT 2 = BU 11 = GY/PK 3 = WH 12 = RD/BU 4 = GN 13 = WH/GN 5 = PK 14 = BN/GN 6 = YE 15 = WH/YE 7 = BK 16 = YE/BN 8 = GY 17 = WH/GY 9 = RD
	5 m	M12A-F17A-L5V	11 03 017 0201	
	10 m	M12A-F17A-L10V	11 03 017 0202	

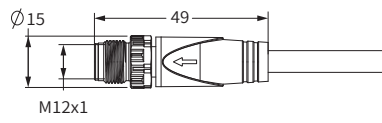
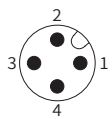
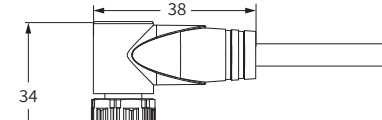
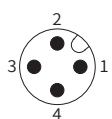
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	M12		Material(seal) FPM/FKM
Version	A-code		Cable description PVC-black
Rated current	[A]	4	Tightening torque 0.4 Nm
Rated voltage	[V]	250	Limiting temperature [°C] -25 ... +85
Insulation resistance	[Ω]	≥10 ⁸	Degree of protection (IP) IP67
Contact resistance	[mΩ]	≤5	Mating cycles ≥100
Material(grip body)	TPU-black		Pollution degree 3
Material(contact)	Brass, gold plated		Standard IEC61076-2-101
Material(contact carrier)	TPU+GF		RoHS compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
2-pole, straight, male, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-M2S-L2V	11 03 002 1100	 M12x1  1 = N/C 2 = N/C 3 = BN 4 = BU
	5 m	M12A-M2S-L5V	11 03 002 1101	
	10 m	M12A-M2S-L10V	11 03 002 1102	
2-pole, angled, male, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-M2A-L2V	11 03 002 0100	 M12x1 Ø15  1 = N/C 2 = N/C 3 = BN 4 = BU
	5 m	M12A-M2A-L5V	11 03 002 0101	
	10 m	M12A-M2A-L10V	11 03 002 0102	
3-pole, straight, male, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-M3S-L2V	11 03 003 1100	 M12x1 Ø15  1 = BN 2 = N/C 3 = BU 4 = BK
	5 m	M12A-M3S-L5V	11 03 003 1101	
	10 m	M12A-M3S-L10V	11 03 003 1102	
3-pole, angled, male, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-M3A-L2V	11 03 003 0100	 M12x1 Ø15  1 = BN 2 = N/C 3 = BU 4 = BK
	5 m	M12A-M3A-L5V	11 03 003 0101	
	10 m	M12A-M3A-L10V	11 03 003 0102	

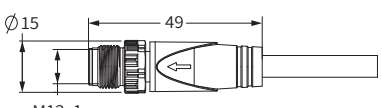
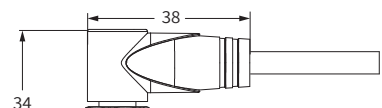
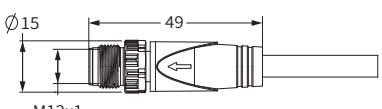
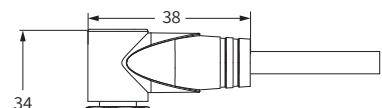
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	M12		Material(seal) FPM/FKM
Version	A-code		Cable description PVC-black
Rated current	[A]	4	Tightening torque 0.4 Nm
Rated voltage	[V]	250	Limiting temperature [°C] -25 ... +85
Insulation resistance	[Ω]	≥10 ⁸	Degree of protection (IP) IP67
Contact resistance	[mΩ]	≤5	Mating cycles ≥100
Material(grip body)	TPU-black		Pollution degree 3
Material(contact)	Brass, gold plated		Standard IEC61076-2-101
Material(contact carrier)	TPU+GF		RoHS compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
4-pole, straight, male, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-M4S-L2V	11 03 004 1100	 M12x1  1 = BN 2 = WH 3 = BU 4 = BK
	5 m	M12A-M4S-L5V	11 03 004 1101	
	10 m	M12A-M4S-L10V	11 03 004 1102	
4-pole, angled, male, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-M4A-L2V	11 03 004 0100	 M12x1 Ø15  1 = BN 2 = WH 3 = BU 4 = BK
	5 m	M12A-M4A-L5V	11 03 004 0101	
	10 m	M12A-M4A-L10V	11 03 004 0102	

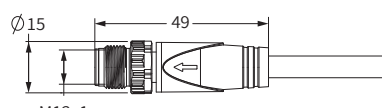
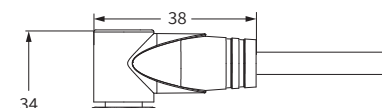
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 4	Tightening torque	0.4 Nm
Rated voltage	[V] 60	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
5-pole(+PE), straight, male, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-M5S-L2V-5GNYE	11 03 005 1180	 Ø15 49 M12x1 1 = BN 5 = GNYE 2 = WH 3 = BU 4 = BK
	5 m	M12A-M5S-L5V-5GNYE	11 03 005 1181	
	10 m	M12A-M5S-L10V-5GNYE	11 03 005 1182	
5-pole(+PE), angled, male, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-M5A-L2V-5GNYE	11 03 005 0180	 38 34 M12x1 Ø15 1 = BN 5 = GNYE 2 = WH 3 = BU 4 = BK
	5 m	M12A-M5A-L5V-5GNYE	11 03 005 0181	
	10 m	M12A-M5A-L10V-5GNYE	11 03 005 0182	
5-pole, straight, male, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-M5S-L2V	11 03 005 1100	 Ø15 49 M12x1 1 = BN 5 = GY 2 = WH 3 = BU 4 = BK
	5 m	M12A-M5S-L5V	11 03 005 1101	
	10 m	M12A-M5S-L10V	11 03 005 1102	
5-pole, angled, male, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-M5A-L2V	11 03 005 0100	 38 34 M12x1 Ø15 1 = BN 5 = GY 2 = WH 3 = BU 4 = BK
	5 m	M12A-M5A-L5V	11 03 005 0101	
	10 m	M12A-M5A-L10V	11 03 005 0102	

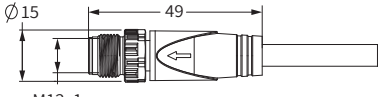
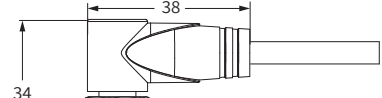
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 2	Tightening torque	0.4 Nm
Rated voltage	[V] 30	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
6-pole, straight, male, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-M6S-L2V	11 03 006 1100	 Ø15 49 M12x1 1 = BN 5 = GY 2 = WH 6 = PK 3 = BU 4 = BK
	5 m	M12A-M6S-L5V	11 03 006 1101	
	10 m	M12A-M6S-L10V	11 03 006 1102	
6-pole, angled, male, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-M6A-L2V	11 03 006 0100	 38 34 M12x1 Ø15 1 = BN 5 = GY 2 = WH 6 = PK 3 = BU 4 = BK
	5 m	M12A-M6A-L5V	11 03 006 0101	
	10 m	M12A-M6A-L10V	11 03 006 0102	

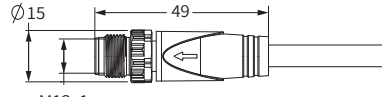
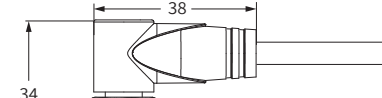
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 4	Tightening torque	0.4 Nm
Rated voltage	[V] 30	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
6-pole(4+2), straight, male, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-M6S/B-L2V	11 03 006 1110	 Ø15 49 M12x1  1 = BN 5 = GY 2 = WH 6 = BK 3 = BU 4 = PK
	5 m	M12A-M6S/B-L5V	11 03 006 1111	
	10 m	M12A-M6S/B-L10V	11 03 006 1112	
6-pole(4+2), angled, male, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-M6A/B-L2V	11 03 006 0110	 38 34 M12x1 Ø15  1 = BN 5 = GY 2 = WH 6 = BK 3 = BU 4 = PK
	5 m	M12A-M6A/B-L5V	11 03 006 0111	
	10 m	M12A-M6A/B-L10V	11 03 006 0112	

1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

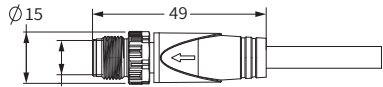
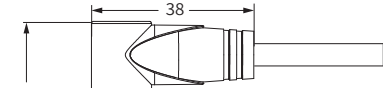
Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 2	Tightening torque	0.4 Nm
Rated voltage	[V] 30	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
8-pole, straight, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-M8S-L2V	11 03 008 1100	 Ø15 49 M12x1  1 = WH 5 = GY 2 = BN 6 = PK 3 = GN 7 = BU 4 = YE 8 = RD
	5 m	M12A-M8S-L5V	11 03 008 1101	
	10 m	M12A-M8S-L10V	11 03 008 1102	
8-pole, angled, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-M8A-L2V	11 03 008 0100	 38 34 M12x1 Ø15  1 = WH 5 = GY 2 = BN 6 = PK 3 = GN 7 = BU 4 = YE 8 = RD
	5 m	M12A-M8A-L5V	11 03 008 0101	
	10 m	M12A-M8A-L10V	11 03 008 0102	

1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

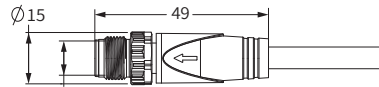
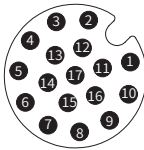
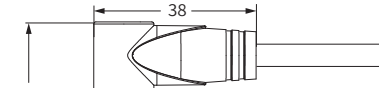
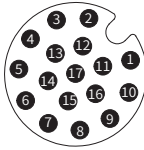
Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 1.5	Tightening torque	0.4 Nm
Rated voltage	[V] 30	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 1.5	Tightening torque	0.4 Nm
Rated voltage	[V] 30	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
12-pole, straight, male, M12 A-code, cable type: V, Anti-vibration	2 m	M12A-M12S-L2V	11 03 012 1100	 1 = BN 7 = BK 2 = BU 8 = GY 3 = WH 9 = RD 4 = GN 10 = VT 5 = PK 11 = GY/PK 6 = YE 12 = RD/BU
	5 m	M12A-M12S-L5V	11 03 012 1101	
	10 m	M12A-M12S-L10V	11 03 012 1102	
12-pole, angled, male, M12 A-code, cable type: V, Anti-vibration	2 m	M12A-M12A-L2V	11 03 012 0100	 1 = BN 7 = BK 2 = BU 8 = GY 3 = WH 9 = RD 4 = GN 10 = VT 5 = PK 11 = GY/PK 6 = YE 12 = RD/BU
	5 m	M12A-M12A-L5V	11 03 012 0101	
	10 m	M12A-M12A-L10V	11 03 012 0102	

1): Cable type **U**= **PUR** and **UT**=**PUR-carrier chain** are optional, variable cable length is possible.

1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

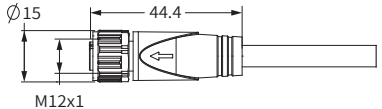
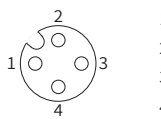
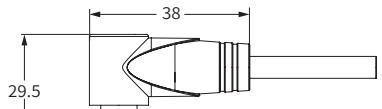
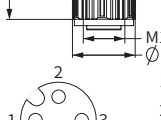
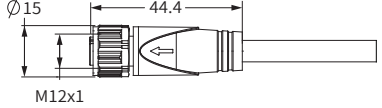
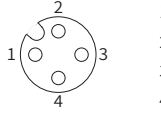
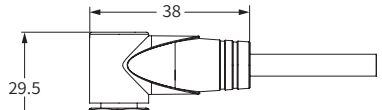
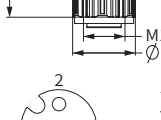
Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)																		
17-pole, straight, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-M17S-L2V	11 03 017 1100	 Ø 15 49 M12x1  <table><tr><td>1 = BN</td><td>10 = VT</td></tr><tr><td>2 = BU</td><td>11 = GY/PK</td></tr><tr><td>3 = WH</td><td>12 = RD/BU</td></tr><tr><td>4 = GN</td><td>13 = WH/GN</td></tr><tr><td>5 = PK</td><td>14 = BN/GN</td></tr><tr><td>6 = YE</td><td>15 = WH/YE</td></tr><tr><td>7 = BK</td><td>16 = YE/BN</td></tr><tr><td>8 = GY</td><td>17 = WH/GY</td></tr><tr><td>9 = RD</td><td></td></tr></table>	1 = BN	10 = VT	2 = BU	11 = GY/PK	3 = WH	12 = RD/BU	4 = GN	13 = WH/GN	5 = PK	14 = BN/GN	6 = YE	15 = WH/YE	7 = BK	16 = YE/BN	8 = GY	17 = WH/GY	9 = RD	
	1 = BN	10 = VT																				
	2 = BU	11 = GY/PK																				
3 = WH	12 = RD/BU																					
4 = GN	13 = WH/GN																					
5 = PK	14 = BN/GN																					
6 = YE	15 = WH/YE																					
7 = BK	16 = YE/BN																					
8 = GY	17 = WH/GY																					
9 = RD																						
5 m	M12A-M17S-L5V	11 03 017 1101																				
10 m	M12A-M17S-L10V	11 03 017 1102																				
17-pole, angled, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-M17A-L2V	11 03 017 0100	 38 34 M12x1 Ø 15  <table><tr><td>1 = BN</td><td>10 = VT</td></tr><tr><td>2 = BU</td><td>11 = GY/PK</td></tr><tr><td>3 = WH</td><td>12 = RD/BU</td></tr><tr><td>4 = GN</td><td>13 = WH/GN</td></tr><tr><td>5 = PK</td><td>14 = BN/GN</td></tr><tr><td>6 = YE</td><td>15 = WH/YE</td></tr><tr><td>7 = BK</td><td>16 = YE/BN</td></tr><tr><td>8 = GY</td><td>17 = WH/GY</td></tr><tr><td>9 = RD</td><td></td></tr></table>	1 = BN	10 = VT	2 = BU	11 = GY/PK	3 = WH	12 = RD/BU	4 = GN	13 = WH/GN	5 = PK	14 = BN/GN	6 = YE	15 = WH/YE	7 = BK	16 = YE/BN	8 = GY	17 = WH/GY	9 = RD	
	1 = BN	10 = VT																				
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5 = PK	14 = BN/GN																					
6 = YE	15 = WH/YE																					
7 = BK	16 = YE/BN																					
8 = GY	17 = WH/GY																					
9 = RD																						
5 m	M12A-M17A-L5V	11 03 017 0101																				
10 m	M12A-M17A-L10V	11 03 017 0102																				

1): Cable type **U= PUR** and **UT= PUR-carrier chain** are optional, variable cable length is possible.

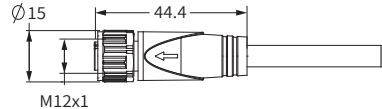
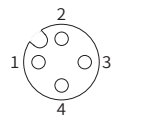
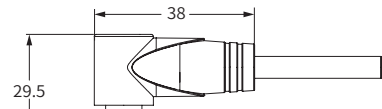
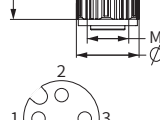
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 4	Tightening torque	0.4 Nm
Rated voltage	[V] 250	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 4	Tightening torque	0.4 Nm
Rated voltage	[V] 250	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
2-pole, straight, female, M12 A-code, cable type: SV , Anti-vibration 	2 m	M12A-SF2S-L2SV	11 03 102 1200	 M12x1 
	5 m	M12A-SF2S-L5SV	11 03 102 1201	
	10 m	M12A-SF2S-L10SV	11 03 102 1202	
2-pole, angled, female, M12 A-code, cable type: SV , Anti-vibration 	2 m	M12A-SF2A-L2SV	11 03 102 0200	 M12x1 Ø15 
	5 m	M12A-SF2A-L5SV	11 03 102 0201	
	10 m	M12A-SF2A-L10SV	11 03 102 0202	
3-pole, straight, female, M12 A-code, cable type: SV , Anti-vibration 	2 m	M12A-SF3S-L2SV	11 03 103 1200	 M12x1 Ø15 
	5 m	M12A-SF3S-L5SV	11 03 103 1201	
	10 m	M12A-SF3S-L10SV	11 03 103 1202	
3-pole, angled, female, M12 A-code, cable type: SV , Anti-vibration 	2 m	M12A-SF3A-L2SV	11 03 103 0200	 M12x1 Ø15 
	5 m	M12A-SF3A-L5SV	11 03 103 0201	
	10 m	M12A-SF3A-L10SV	11 03 103 0202	

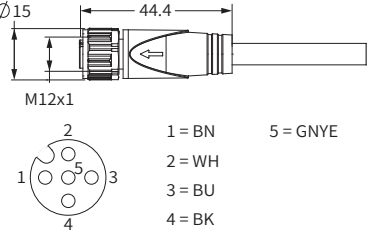
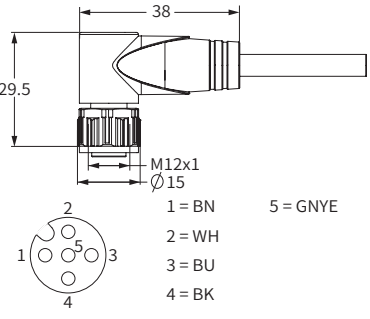
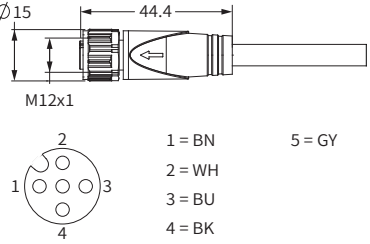
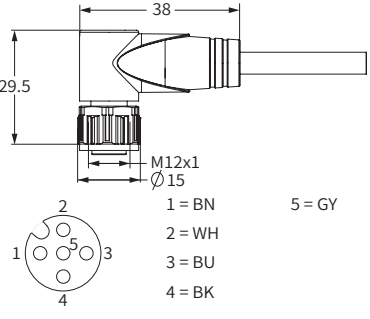
1): Cable type **UT=PUR-carrier chain** are optional, variable cable length is possible.

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
4-pole, straight, female, M12 A-code, cable type: SV , Anti-vibration 	2 m	M12A-SF4S-L2SV	11 03 104 1200	 M12x1 
	5 m	M12A-SF4S-L5SV	11 03 104 1201	
	10 m	M12A-SF4S-L10SV	11 03 104 1202	
4-pole, angled, female, M12 A-code, cable type: SV , Anti-vibration 	2 m	M12A-SF4A-L2SV	11 03 104 0200	 M12x1 Ø15 
	5 m	M12A-SF4A-L5SV	11 03 104 0201	
	10 m	M12A-SF4A-L10SV	11 03 104 0202	

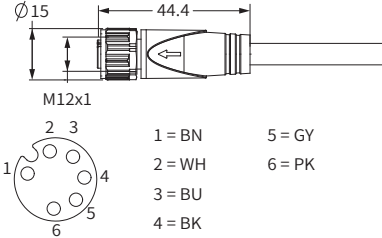
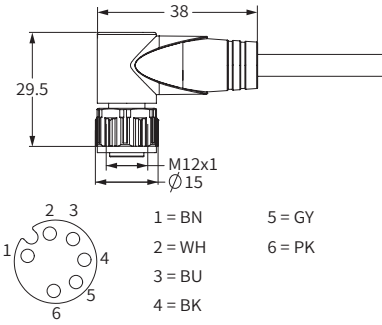
1): Cable type **UT=PUR-carrier chain** are optional, variable cable length is possible.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 4	Tightening torque	0.4 Nm
Rated voltage	[V] 60	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 2	Tightening torque	0.4 Nm
Rated voltage	[V] 30	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
5-pole(+PE), straight, female, M12 A-code, cable type: SV, Anti-vibration 	2 m	M12A-SF5S-L2SV-5GNYE	11 03 105 1280	 1 = BN 5 = GNYE 2 = WH 3 = BU 4 = BK
	5 m	M12A-SF5S-L5SV-5GNYE	11 03 105 1281	
	10 m	M12A-SF5S-L10SV-5GNYE	11 03 105 1282	
5-pole(+PE), angled, female, M12 A-code, cable type: SV, Anti-vibration 	2 m	M12A-SF5A-L2SV-5GNYE	11 03 105 0280	 1 = BN 5 = GNYE 2 = WH 3 = BU 4 = BK
	5 m	M12A-SF5A-L5SV-5GNYE	11 03 105 0281	
	10 m	M12A-SF5A-L10SV-5GNYE	11 03 105 0282	
5-pole, straight, female, M12 A-code, cable type: SV, Anti-vibration 	2 m	M12A-SF5S-L2SV	11 03 105 1200	 1 = BN 5 = GY 2 = WH 3 = BU 4 = BK
	5 m	M12A-SF5S-L5SV	11 03 105 1201	
	10 m	M12A-SF5S-L10SV	11 03 105 1202	
5-pole, angled, female, M12 A-code, cable type: SV, Anti-vibration 	2 m	M12A-SF5A-L2SV	11 03 105 0200	 1 = BN 5 = GY 2 = WH 3 = BU 4 = BK
	5 m	M12A-SF5A-L5SV	11 03 105 0201	
	10 m	M12A-SF5A-L10SV	11 03 105 0202	

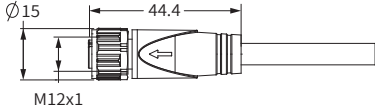
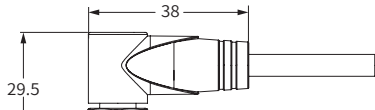
1): Cable type U= PUR and UT= PUR-carrier chain are optional, variable cable length is possible.

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
6-pole, straight, female, M12 A-code, cable type: SV, Anti-vibration 	2 m	M12A-SF6S-L2SV	11 03 106 1200	 1 = BN 5 = GY 2 = WH 6 = PK 3 = BU 4 = BK
	5 m	M12A-SF6S-L5SV	11 03 106 1201	
	10 m	M12A-SF6S-L10SV	11 03 106 1202	
6-pole, angled, female, M12 A-code, cable type: SV, Anti-vibration 	2 m	M12A-SF6A-L2SV	11 03 106 0200	 1 = BN 5 = GY 2 = WH 6 = PK 3 = BU 4 = BK
	5 m	M12A-SF6A-L5SV	11 03 106 0201	
	10 m	M12A-SF6A-L10SV	11 03 106 0202	

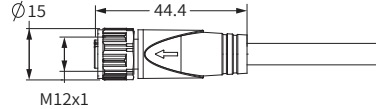
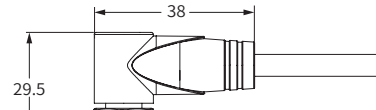
1): Cable type UT= PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 4	Tightening torque	0.4 Nm
Rated voltage	[V] 30	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 2	Tightening torque	0.4 Nm
Rated voltage	[V] 30	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
6-pole(4+2), straight, female, M12 A-code, cable type: SV, Anti-vibration 	2 m	M12A-SF6S/B-L2SV	11 03 106 1210	 M12x1 1 = BN 5 = GY 2 = WH 6 = BK 3 = BU 4 = PK
	5 m	M12A-SF6S/B-L5SV	11 03 106 1211	
	10 m	M12A-SF6S/B-L10SV	11 03 106 1212	
6-pole(4+2), angled, female, M12 A-code, cable type: SV, Anti-vibration 	2 m	M12A-SF6A/B-L2SV	11 03 106 0210	 M12x1 Ø15 1 = BN 5 = GY 2 = WH 6 = BK 3 = BU 4 = PK
	5 m	M12A-SF6A/B-L5SV	11 03 106 0211	
	10 m	M12A-SF6A/B-L10SV	11 03 106 0212	

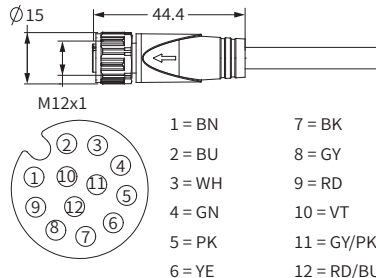
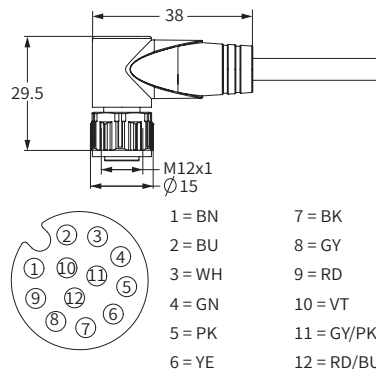
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
8-pole, straight, female, M12 A-code, cable type: SV, Anti-vibration 	2 m	M12A-SF8S-L2SV	11 03 108 1200	 M12x1 1 = WH 5 = GY 2 = BN 6 = PK 3 = GN 7 = BU 4 = YE 8 = RD
	5 m	M12A-SF8S-L5SV	11 03 108 1201	
	10 m	M12A-SF8S-L10SV	11 03 108 1202	
8-pole, angled, female, M12 A-code, cable type: SV, Anti-vibration 	2 m	M12A-SF8A-L2SV	11 03 108 0200	 M12x1 Ø15 1 = WH 5 = GY 2 = BN 6 = PK 3 = GN 7 = BU 4 = YE 8 = RD
	5 m	M12A-SF8A-L5SV	11 03 108 0201	
	10 m	M12A-SF8A-L10SV	11 03 108 0202	

1): Cable type UT=PUR-carrier chain are optional, variable cable length is possible.

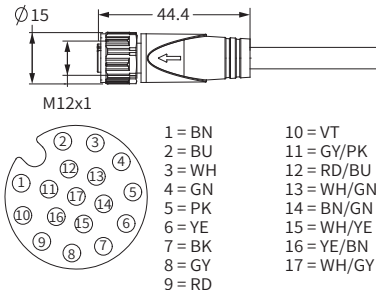
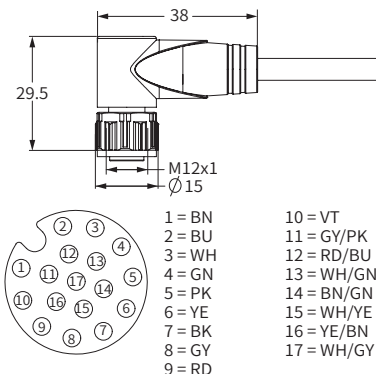
Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 1.5	Tightening torque	0.4 Nm
Rated voltage	[V] 30	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 1,5	Tightening torque	0.4 Nm
Rated voltage	[V] 30	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
12-pole, straight, female, M12 A-code, cable type: SV, Anti-vibration	2 m	M12A-SF12S-L2SV	11 03 112 1200	
	5 m	M12A-SF12S-L5SV	11 03 112 1201	
	10 m	M12A-SF12S-L10SV	11 03 112 1202	
12-pole, angled, female, M12 A-code, cable type: SV, Anti-vibration	2 m	M12A-SF12A-L2SV	11 03 112 0200	
	5 m	M12A-SF12A-L5SV	11 03 112 0201	
	10 m	M12A-SF12A-L10SV	11 03 112 0202	

1): Cable type **U= PUR** and **UT=PUR-carrier chain** are optional, variable cable length is possible.

1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

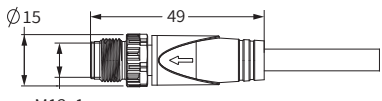
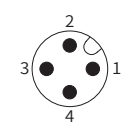
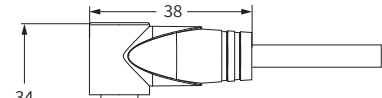
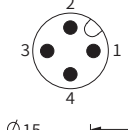
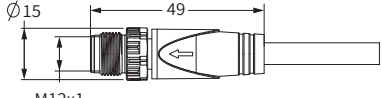
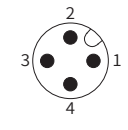
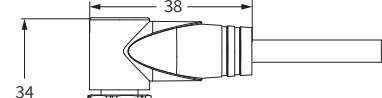
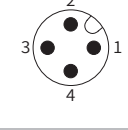
Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
17-pole, straight, female, M12 A-code, cable type: SV , Anti-vibration	2 m	M12A-SF17S-L2SV	11 03 117 1200	
	5 m	M12A-SF17S-L5SV	11 03 117 1201	
	10 m	M12A-SF17S-L10SV	11 03 117 1202	
17-pole, angled, female, M12 A-code, cable type: SV , Anti-vibration	2 m	M12A-SF17A-L2SV	11 03 117 0200	
	5 m	M12A-SF17A-L5SV	11 03 117 0201	
	10 m	M12A-SF17A-L10SV	11 03 117 0202	

1): Cable type **UT=****PUR-carrier chain** are optional, variable cable length is possible.

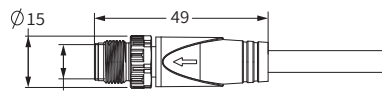
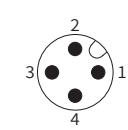
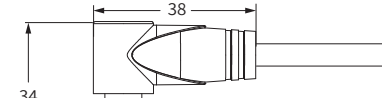
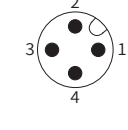
1): Cable type UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 4	Tightening torque	0.4 Nm
Rated voltage	[V] 250	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 4	Tightening torque	0.4 Nm
Rated voltage	[V] 250	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
2-pole, straight, male, M12 A-code, cable type: SV , Anti-vibration 	2 m	M12A-SM2S-L2SV	11 03 102 1100	 M12x1 
	5 m	M12A-SM2S-L5SV	11 03 102 1101	
	10 m	M12A-SM2S-L10SV	11 03 102 1102	
2-pole, angled, male, M12 A-code, cable type: SV , Anti-vibration 	2 m	M12A-SM2A-L2SV	11 03 102 0100	 M12x1 Ø15 
	5 m	M12A-SM2A-L5SV	11 03 102 0101	
	10 m	M12A-SM2A-L10SV	11 03 102 0102	
3-pole, straight, male, M12 A-code, cable type: SV , Anti-vibration 	2 m	M12A-SM3S-L2SV	11 03 103 1100	 M12x1 Ø15 
	5 m	M12A-SM3S-L5SV	11 03 103 1101	
	10 m	M12A-SM3S-L10SV	11 03 103 1102	
3-pole, angled, male, M12 A-code, cable type: SV , Anti-vibration 	2 m	M12A-SM3A-L2SV	11 03 103 0100	 M12x1 Ø15 
	5 m	M12A-SM3A-L5SV	11 03 103 0101	
	10 m	M12A-SM3A-L10SV	11 03 103 0102	

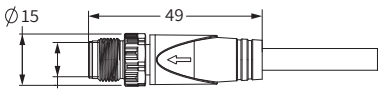
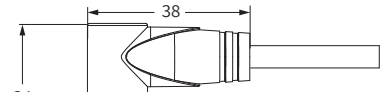
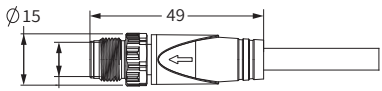
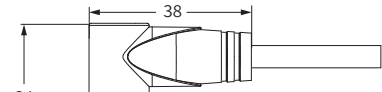
1): Cable type **UT=PUR-carrier chain** are optional, variable cable length is possible.

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
4-pole, straight, male, M12 A-code, cable type: SV , Anti-vibration 	2 m	M12A-SM4S-L2SV	11 03 104 1100	 M12x1 
	5 m	M12A-SM4S-L5SV	11 03 104 1101	
	10 m	M12A-SM4S-L10SV	11 03 104 1102	
4-pole, angled, male, M12 A-code, cable type: SV , Anti-vibration 	2 m	M12A-SM4A-L2SV	11 03 104 0100	 M12x1 Ø15 
	5 m	M12A-SM4A-L5SV	11 03 104 0101	
	10 m	M12A-SM4A-L10SV	11 03 104 0102	

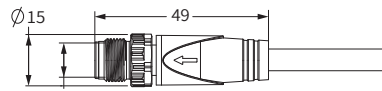
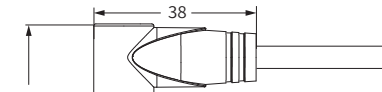
1): Cable type **UT=PUR-carrier chain** are optional, variable cable length is possible.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 4	Tightening torque	0.4 Nm
Rated voltage	[V] 60	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 2	Tightening torque	0.4 Nm
Rated voltage	[V] 30	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

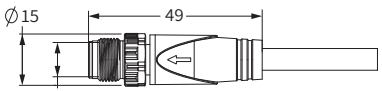
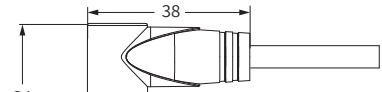
Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
5-pole(+PE) , straight, male, M12 A-code, cable type: SV , Anti-vibration 	2 m	M12A-SM5S-L2SV-5GNYE	11 03 105 1180	 M12x1 1 = BN 5 = GNYE 2 = WH 3 = BU 4 = BK
	5 m	M12A-SM5S-L5SV-5GNYE	11 03 105 1181	
	10 m	M12A-SM5S-L10SV-5GNYE	11 03 105 1182	
5-pole(+PE) , angled, male, M12 A-code, cable type: SV , Anti-vibration 	2 m	M12A-SM5A-L2SV-5GNYE	11 03 105 0180	 M12x1 1 = BN 5 = GNYE 2 = WH 3 = BU 4 = BK
	5 m	M12A-SM5A-L5SV-5GNYE	11 03 105 0181	
	10 m	M12A-SM5A-L10SV-5GNYE	11 03 105 0182	
5-pole , straight, male, M12 A-code, cable type: SV , Anti-vibration 	2 m	M12A-SM5S-L2SV	11 03 105 1100	 M12x1 1 = BN 5 = GY 2 = WH 3 = BU 4 = BK
	5 m	M12A-SM5S-L5SV	11 03 105 1101	
	10 m	M12A-SM5S-L10SV	11 03 105 1102	
5-pole , angled, male, M12 A-code, cable type: SV , Anti-vibration 	2 m	M12A-SM5A-L2SV	11 03 105 0100	 M12x1 1 = BN 5 = GY 2 = WH 3 = BU 4 = BK
	5 m	M12A-SM5A-L5SV	11 03 105 0101	
	10 m	M12A-SM5A-L10SV	11 03 105 0102	

1): Cable type **UT=**PUR-carrier chain are optional, variable cable length is possible.

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
6-pole , straight, male, M12 A-code, cable type: SV , Anti-vibration 	2 m	M12A-SM6S-L2SV	11 03 106 1100	 M12x1 1 = BN 5 = GY 2 = WH 6 = PK 3 = BU 4 = BK
	5 m	M12A-SM6S-L5SV	11 03 106 1101	
	10 m	M12A-SM6S-L10SV	11 03 106 1102	
6-pole , angled, male, M12 A-code, cable type: SV , Anti-vibration 	2 m	M12A-SM6A-L2SV	11 03 106 0100	 M12x1 1 = BN 5 = GY 2 = WH 6 = PK 3 = BU 4 = BK
	5 m	M12A-SM6A-L5SV	11 03 106 0101	
	10 m	M12A-SM6A-L10SV	11 03 106 0102	

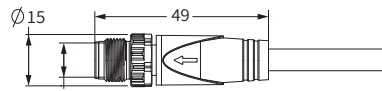
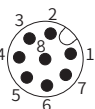
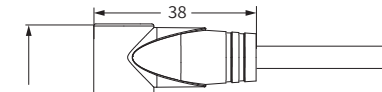
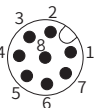
1): Cable type **UT=**PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 4	Tightening torque	0.4 Nm
Rated voltage	[V] 30	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
6-pole(4+2), straight, male, M12 A-code, cable type: SV , Anti-vibration 	2 m	M12A-SM6S/B-L2SV	11 03 106 1110	 Ø15 49 M12x1  1 = BN 5 = GY 2 = WH 6 = BK 3 = BU 4 = PK
	5 m	M12A-SM6S/B-L5SV	11 03 106 1111	
	10 m	M12A-SM6S/B-L10SV	11 03 106 1112	
6-pole(4+2), angled, male, M12 A-code, cable type: SV , Anti-vibration 	2 m	M12A-SM6A/B-L2SV	11 03 106 0110	 38 34 M12x1 Ø15  1 = BN 5 = GY 2 = WH 6 = BK 3 = BU 4 = PK
	5 m	M12A-SM6A/B-L5SV	11 03 106 0111	
	10 m	M12A-SM6A/B-L10SV	11 03 106 0112	

1): Cable type **UT=****PUR-carrier chain** are optional, variable cable length is possible.

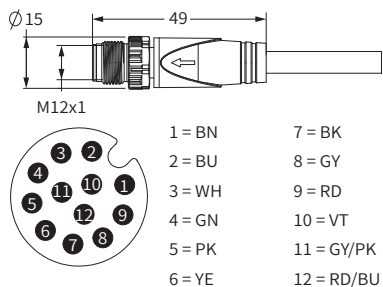
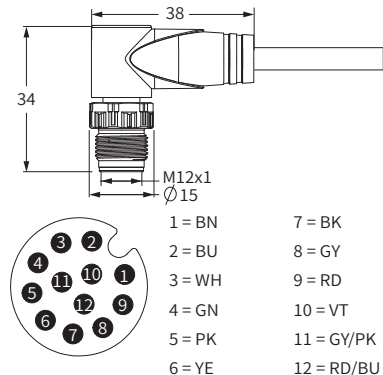
Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 2	Tightening torque	0.4 Nm
Rated voltage	[V] 30	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
8-pole, straight, male, M12 A-code, cable type: SV , Anti-vibration 	2 m	M12A-SM8S-L2SV	11 03 108 1100	 Ø15 49 M12x1  1 = WH 5 = GY 2 = BN 6 = PK 3 = GN 7 = BU 4 = YE 8 = RD
	5 m	M12A-SM8S-L5SV	11 03 108 1101	
	10 m	M12A-SM8S-L10SV	11 03 108 1102	
8-pole, angled, male, M12 A-code, cable type: SV , Anti-vibration 	2 m	M12A-SM8A-L2SV	11 03 108 0100	 38 34 M12x1 Ø15  1 = WH 5 = GY 2 = BN 6 = PK 3 = GN 7 = BU 4 = YE 8 = RD
	5 m	M12A-SM8A-L5SV	11 03 108 0101	
	10 m	M12A-SM8A-L10SV	11 03 108 0102	

1): Cable type **UT=****PUR-carrier chain** are optional, variable cable length is possible.

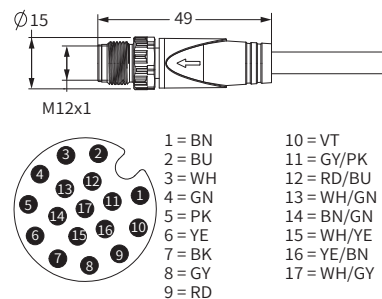
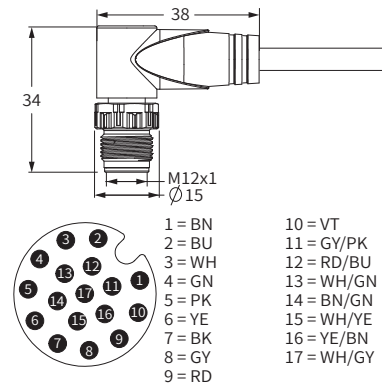
Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 1.5	Tightening torque	0.4 Nm
Rated voltage	[V] 30	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 1.5	Tightening torque	0.4 Nm
Rated voltage	[V] 30	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
12-pole, straight, male, M12 A-code, cable type: SV , Anti-vibration	2 m	M12A-SM12S-L2SV	11 03 112 1100	
	5 m	M12A-SM12S-L5SV	11 03 112 1101	
	10 m	M12A-SM12S-L10SV	11 03 112 1102	
12-pole, angled, male, M12 A-code, cable type: SV , Anti-vibration	2 m	M12A-SM12A-L2SV	11 03 112 0100	
	5 m	M12A-SM12A-L5SV	11 03 112 0101	
	10 m	M12A-SM12A-L10SV	11 03 112 0102	

1): Cable type **UT=****PUR-carrier chain** are optional, variable cable length is possible.

1): Cable type **UT=PUR-carrier chain** are optional, variable cable length is possible.

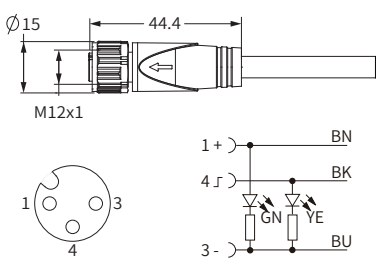
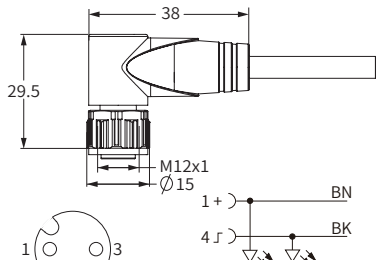
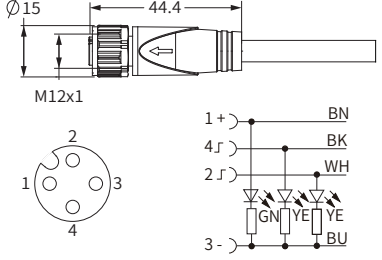
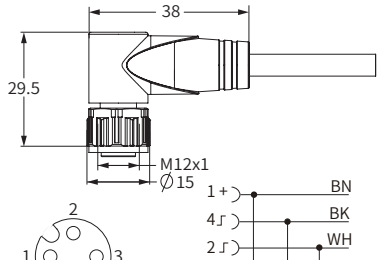
Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
17-pole, straight, male, M12 A-code, cable type: SV , Anti-vibration	2 m	M12A-SM17S-L2SV	11 03 117 1100	 1 = BN 10 = VT 2 = BU 11 = GY/PK 3 = WH 12 = RD/BU 4 = GN 13 = WH/GN 5 = PK 14 = BN/GN 6 = YE 15 = WH/YE 7 = BK 16 = YE/BN 8 = GY 17 = WH/GY 9 = RD
	5 m	M12A-SM17S-L5SV	11 03 117 1101	
	10 m	M12A-SM17S-L10SV	11 03 117 1102	
17-pole, angled, male, M12 A-code, cable type: SV , Anti-vibration	2 m	M12A-SM17A-L2SV	11 03 117 0100	 1 = BN 10 = VT 2 = BU 11 = GY/PK 3 = WH 12 = RD/BU 4 = GN 13 = WH/GN 5 = PK 14 = BN/GN 6 = YE 15 = WH/YE 7 = BK 16 = YE/BN 8 = GY 17 = WH/GY 9 = RD
	5 m	M12A-SM17A-L5SV	11 03 117 0101	
	10 m	M12A-SM17A-L10SV	11 03 117 0102	

1): Cable type **UT=****PUR-carrier chain** are optional, variable cable length is possible.

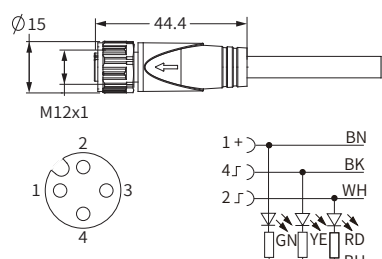
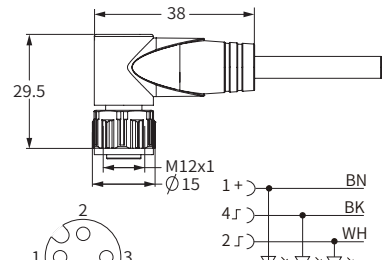
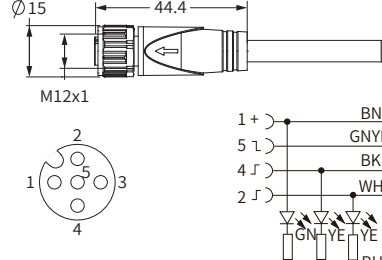
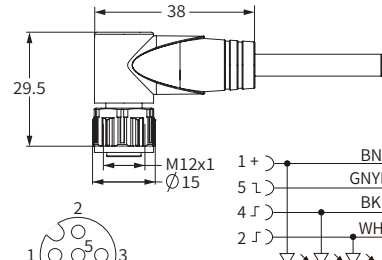
1): Cable type **UT=PUR-carrier chain** are optional, variable cable length is possible.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 4	Tightening torque	0.4 Nm
Rated voltage	[V] 10-30VDC	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-transparent	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 4	Tightening torque	0.4 Nm
Rated voltage	[V] 10-30VDC	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-transparent	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
3-pole, straight, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F3S-L2V-LED	11 03 003 1220	
	5 m	M12A-F3S-L5V-LED	11 03 003 1221	
	10 m	M12A-F3S-L10V-LED	11 03 003 1222	
3-pole, angled, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F3A-L2V-LED	11 03 003 0220	
	5 m	M12A-F3A-L5V-LED	11 03 003 0221	
	10 m	M12A-F3A-L10V-LED	11 03 003 0222	
4-pole, straight, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F4S-L2V-LED	11 03 004 1220	
	5 m	M12A-F4S-L5V-LED	11 03 004 1221	
	10 m	M12A-F4S-L10V-LED	11 03 004 1222	
4-pole, angled, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F4A-L2V-LED	11 03 004 0220	
	5 m	M12A-F4A-L5V-LED	11 03 004 0221	
	10 m	M12A-F4A-L10V-LED	11 03 004 0222	

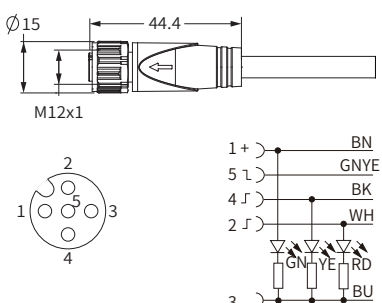
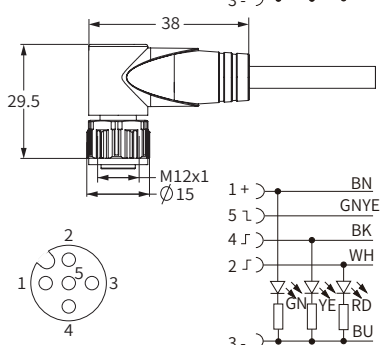
1): Cable type UT=PUR-carrier chain are optional, variable cable length is possible.

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
4-pole(+Red), straight, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F4S-L2V-LED/RD	11 03 004 1223	
	5 m	M12A-F4S-L5V-LED/RD	11 03 004 1224	
	10 m	M12A-F4S-L10V-LED/RD	11 03 004 1225	
4-pole(+Red), angled, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F4A-L2V-LED/RD	11 03 004 0223	
	5 m	M12A-F4A-L5V-LED/RD	11 03 004 0224	
	10 m	M12A-F4A-L10V-LED/RD	11 03 004 0225	
5-pole(+PE), straight, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F5S-L2V-5GNYE-LED	11 03 005 1220	
	5 m	M12A-F5S-L5V-5GNYE-LED	11 03 005 1221	
	10 m	M12A-F5S-L10V-5GNYE-LED	11 03 005 1222	
5-pole(+PE), angled, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F5A-L2V-5GNYE-LED	11 03 005 0220	
	5 m	M12A-F5A-L5V-5GNYE-LED	11 03 005 0221	
	10 m	M12A-F5A-L10V-5GNYE-LED	11 03 005 0222	

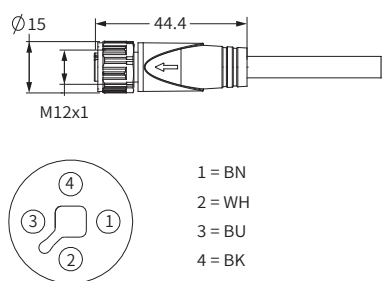
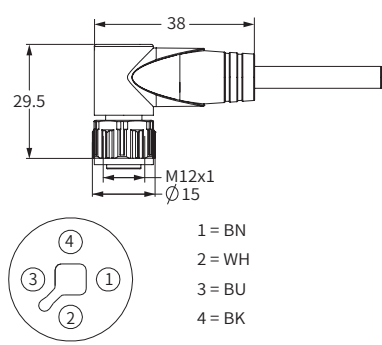
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Cable description	PVC-black
Rated current	[A] 4	Tightening torque	0.4 Nm
Rated voltage	[V] 10-30VDC	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-transparent	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	T-code	Cable description	PVC-black
Rated current	[A] 12	Tightening torque	0.4 Nm
Rated voltage	[V] 63VDC	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
5-pole(+PE/+Red), straight, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F5S-L2V-5GNYE	11 03 005 1223	
	5 m	M12A-F5S-L5V-5GNYE	11 03 005 1224	
	10 m	M12A-F5S-L10V-5GNYE	11 03 005 1225	
5-pole(+PE/+Red), angled, female, M12 A-code, cable type: V, Anti-vibration 	2 m	M12A-F5A-L2V-5GNYE	11 03 005 0223	
	5 m	M12A-F5A-L5V-5GNYE	11 03 005 0224	
	10 m	M12A-F5A-L10V-5GNYE	11 03 005 0225	

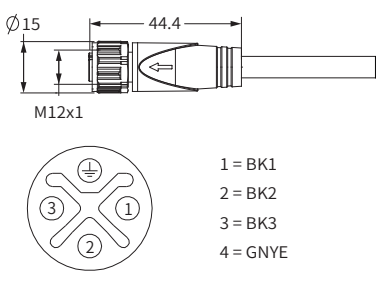
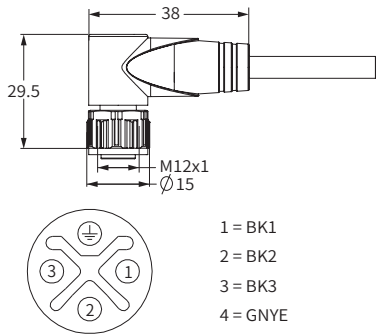
1): Cable type **UT=**PUR-carrier chain are optional, variable cable length is possible.

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
4-pole, straight, female, M12 T-code, cable type: V, Anti-vibration 	2 m	M12T-F4S-L2V	11 09 004 1200	
	5 m	M12T-F4S-L5V	11 09 004 1201	
	10 m	M12T-F4S-L10V	11 09 004 1202	
4-pole, angled, female, M12 T-code, cable type: V, Anti-vibration 	2 m	M12T-F4A-L2V	11 09 004 0200	
	5 m	M12T-F4A-L5V	11 09 004 0201	
	10 m	M12T-F4A-L10V	11 09 004 0202	

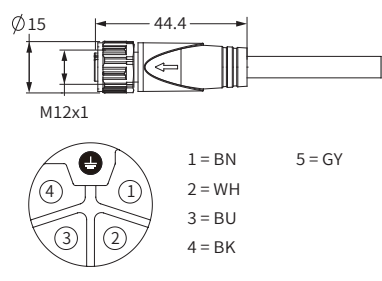
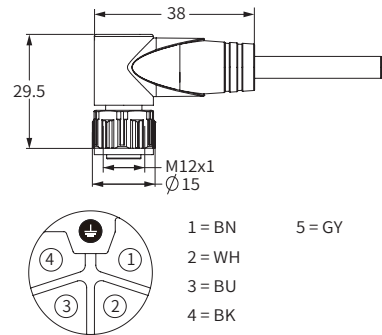
1): Cable type **U=** PUR and **UT=**PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	S-code	Cable description	PVC-black
Rated current	[A] 12	Tightening torque	0.4 Nm
Rated voltage	[V] 630VAC	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	L-code	Cable description	PVC-black
Rated current	[A] 16	Tightening torque	0.4 Nm
Rated voltage	[V] 63VDC	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
4-pole(+PE), straight, female, M12 S-code, cable type: V, Anti-vibration 	2 m	M12S-F4S-L2V	11 15 004 1200	 1 = BK1 2 = BK2 3 = BK3 4 = GNYE
	5 m	M12S-F4S-L5V	11 15 004 1201	
	10 m	M12S-F4S-L10V	11 15 004 1202	
4-pole(+PE), angled, female, M12 S-code, cable type: V, Anti-vibration 	2 m	M12S-F4A-L2V	11 15 004 0200	 1 = BK1 2 = BK2 3 = BK3 4 = GNYE
	5 m	M12S-F4A-L5V	11 15 004 0201	
	10 m	M12S-F4A-L10V	11 15 004 0202	

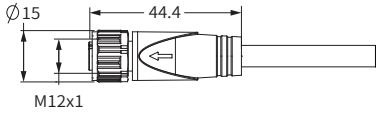
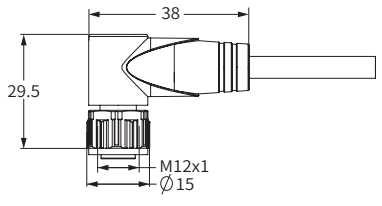
1): Cable type **UT=**PUR-carrier chain are optional, variable cable length is possible.

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
5-pole(+PE), straight, female, M12 L-code, cable type: V, Anti-vibration 	2 m	M12L-F5S-L2V	11 16 005 1200	 1 = BN 2 = WH 3 = BU 4 = BK 5 = GY
	5 m	M12L-F5S-L5V	11 16 005 1201	
	10 m	M12L-F5S-L10V	11 16 005 1202	
5-pole(+PE), angled, female, M12 L-code, cable type: V, Anti-vibration 	2 m	M12L-F5A-L2V	11 16 005 0200	 1 = BN 2 = WH 3 = BU 4 = BK 5 = GY
	5 m	M12L-F5A-L5V	11 16 005 0201	
	10 m	M12L-F5A-L10V	11 16 005 0202	

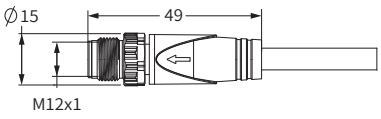
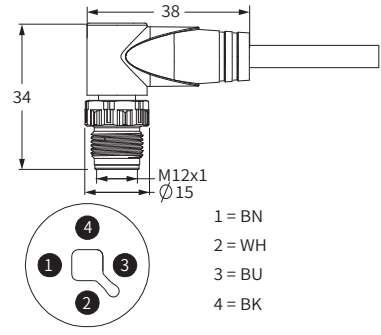
1): Cable type **U=** PUR and **UT=**PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	K-code	Cable description	PVC-black
Rated current	[A] 16	Tightening torque	0.4 Nm
Rated voltage	[V] 630VAC	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	T-code	Cable description	PVC-black
Rated current	[A] 12	Tightening torque	0.4 Nm
Rated voltage	[V] 63VDC	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
5-pole(+PE), straight, female, M12 K-code, cable type: V, Anti-vibration 	2 m	M12K-F5S-L2V	11 17 005 1200	 M12x1 1 = BK1 5 = GNYE 2 = BK2 3 = BK3 4 = BK4
	5 m	M12K-F5S-L5V	11 17 005 1201	
	10 m	M12K-F5S-L10V	11 17 005 1202	
5-pole(+PE), angled, female, M12 K-code, cable type: V, Anti-vibration 	2 m	M12K-F5A-L2V	11 17 005 0200	 M12x1 Ø15 1 = BK1 5 = GNYE 2 = BK2 3 = BK3 4 = BK4
	5 m	M12K-F5A-L5V	11 17 005 0201	
	10 m	M12K-F5A-L10V	11 17 005 0202	

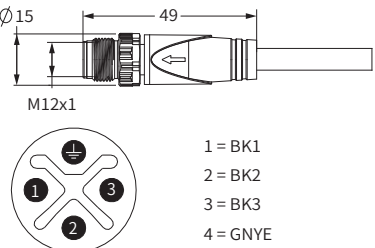
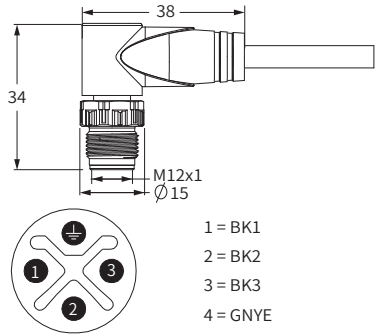
1): Cable type UT=PUR-carrier chain are optional, variable cable length is possible.

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
4-pole, straight, male, M12 T-code, cable type: V, Anti-vibration 	2 m	M12T-M4S-L2V	11 09 004 1100	 M12x1 1 = BN 2 = WH 3 = BU 4 = BK
	5 m	M12T-M4S-L5V	11 09 004 1101	
	10 m	M12T-M4S-L10V	11 09 004 1102	
4-pole, angled, male, M12 T-code, cable type: V, Anti-vibration 	2 m	M12T-M4A-L2V	11 09 004 0100	 M12x1 Ø15 1 = BN 2 = WH 3 = BU 4 = BK
	5 m	M12T-M4A-L5V	11 09 004 0101	
	10 m	M12T-M4A-L10V	11 09 004 0102	

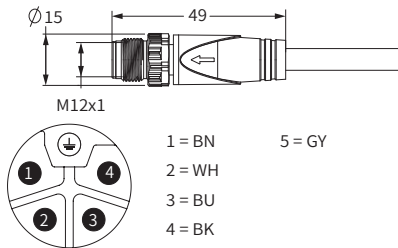
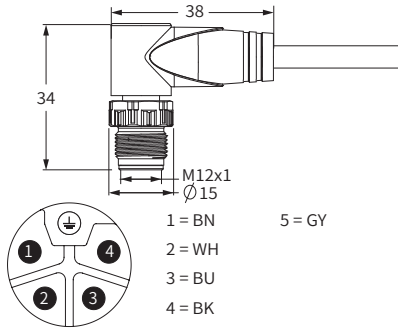
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	S-code	Cable description	PVC-black
Rated current	[A] 12	Tightening torque	0.4 Nm
Rated voltage	[V] 630VAC	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	L-code	Cable description	PVC-black
Rated current	[A] 16	Tightening torque	0.4 Nm
Rated voltage	[V] 63VDC	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
4-pole(+PE), straight, male, M12 S-code, cable type: V, Anti-vibration 	2 m	M12S-M4S-L2V	11 15 004 1100	
	5 m	M12S-M4S-L5V	11 15 004 1101	
	10 m	M12S-M4S-L10V	11 15 004 1102	
4-pole(+PE), angled, male, M12 S-code, cable type: V, Anti-vibration 	2 m	M12S-M4A-L2V	11 15 004 0100	
	5 m	M12S-M4A-L5V	11 15 004 0101	
	10 m	M12S-M4A-L10V	11 15 004 0102	

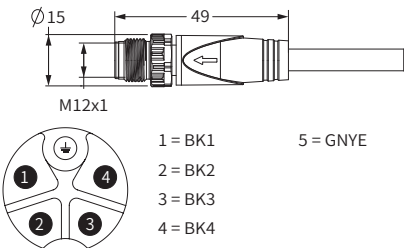
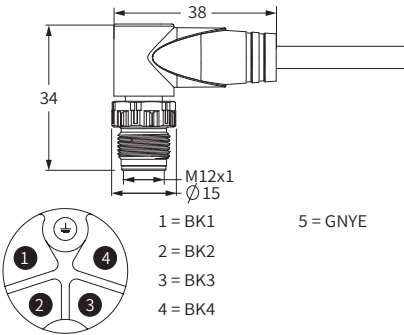
1): Cable type **UT=PUR-carrier chain** are optional, variable cable length is possible.

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
5-pole(+PE), straight, male, M12 L-code, cable type: V, Anti-vibration 	2 m	M12L-M5S-L2V	11 16 005 1100	
	5 m	M12L-M5S-L5V	11 16 005 1101	
	10 m	M12L-M5S-L10V	11 16 005 1102	
5-pole(+PE), angled, male, M12 L-code, cable type: V, Anti-vibration 	2 m	M12L-M5A-L2V	11 16 005 0100	
	5 m	M12L-M5A-L5V	11 16 005 0101	
	10 m	M12L-M5A-L10V	11 16 005 0102	

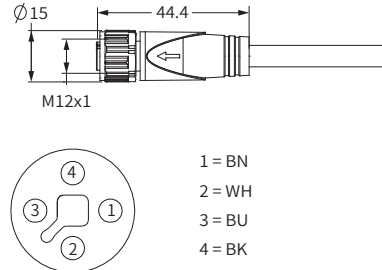
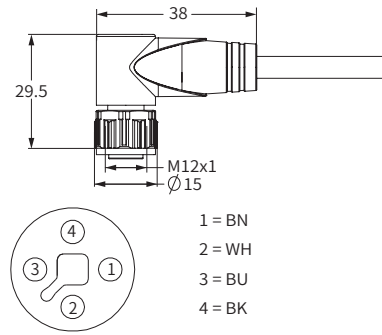
1): Cable type **U= PUR** and **UT=PUR-carrier chain** are optional, variable cable length is possible.

Technical characteristics				
Connector	M12		Material(seal)	FPM/FKM
Version	K-code		Cable description	PVC-black
Rated current	[A]	16	Tightening torque	0.4 Nm
Rated voltage	[V]	630VAC	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω]	≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ]	≤5	Mating cycles	≥100
Material(grip body)	TPU-black		Pollution degree	3
Material(contact)	Brass, gold plated		Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF		RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated			

Technical characteristics				
Connector	M12		Material(seal)	FPM/FKM
Version	T-code		Cable description	PVC-black
Rated current	[A]	12	Tightening torque	0.4 Nm
Rated voltage	[V]	63VDC	Limiting temperature	[-25 ... +85 °C]
Insulation resistance	[Ω]	≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ]	≤5	Mating cycles	≥100
Material(grip body)	TPU-black		Pollution degree	3
Material(contact)	Brass, gold plated		Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF		RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated			

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
5-pole(+PE), straight, male, M12 K-code, cable type: V, Anti-vibration 	2 m	M12K-M5S-L2V	11 17 005 1100	 Ø15 49 M12x1 1 = BK1 5 = GNYE 2 = BK2 3 = BK3 4 = BK4
	5 m	M12K-M5S-L5V	11 17 005 1101	
	10 m	M12K-M5S-L10V	11 17 005 1102	
5-pole(+PE), angled, male, M12 K-code, cable type: V, Anti-vibration 	2 m	M12K-M5A-L2V	11 17 005 0100	 38 34 M12x1 Ø15 1 = BK1 5 = GNYE 2 = BK2 3 = BK3 4 = BK4
	5 m	M12K-M5A-L5V	11 17 005 0101	
	10 m	M12K-M5A-L10V	11 17 005 0102	

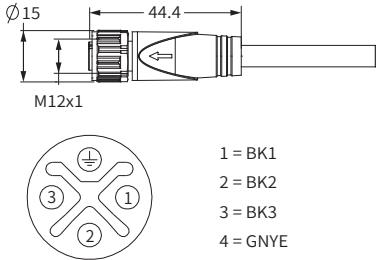
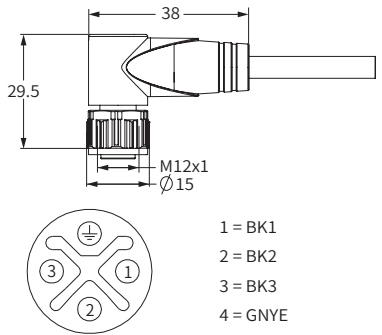
1): Cable type UT=PUR-carrier chain are optional, variable cable length is possible.

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
4-pole, straight, female, M12 T-code, cable type: SV, Anti-vibration 	2 m	M12T-SF4S-L2SV	11 09 104 1200	 Ø15 44.4 M12x1 1 = BN 2 = WH 3 = BU 4 = BK
	5 m	M12T-SF4S-L5SV	11 09 104 1201	
	10 m	M12T-SF4S-L10SV	11 09 104 1202	
4-pole, angled, female, M12 T-code, cable type: SV, Anti-vibration 	2 m	M12T-SF4A-L2SV	11 09 104 0200	 38 29.5 M12x1 Ø15 1 = BN 2 = WH 3 = BU 4 = BK
	5 m	M12T-SF4A-L5SV	11 09 104 0201	
	10 m	M12T-SF4A-L10SV	11 09 104 0202	

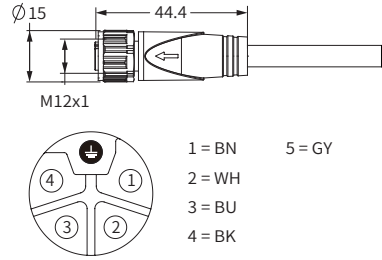
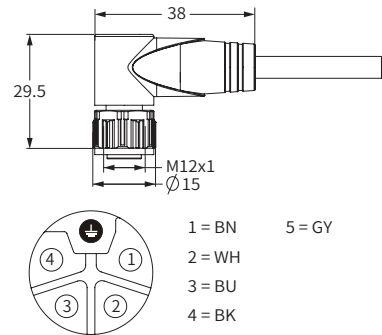
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	S-code	Cable description	PVC-black
Rated current	[A] 12	Tightening torque	0.4 Nm
Rated voltage	[V] 630VAC	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	L-code	Cable description	PVC-black
Rated current	[A] 16	Tightening torque	0.4 Nm
Rated voltage	[V] 63VDC	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
4-pole(+PE), straight, female, M12 S-code, cable type: SV , Anti-vibration 	2 m	M12S-SF4S-L2SV	11 15 104 1200	 1 = BK1 2 = BK2 3 = BK3 4 = GNYE
	5 m	M12S-SF4S-L5SV	11 15 104 1201	
	10 m	M12S-SF4S-L10SV	11 15 104 1202	
4-pole(+PE), angled, female, M12 S-code, cable type: SV , Anti-vibration 	2 m	M12S-SF4A-L2SV	11 15 104 0200	 1 = BK1 2 = BK2 3 = BK3 4 = GNYE
	5 m	M12S-SF4A-L5SV	11 15 104 0201	
	10 m	M12S-SF4A-L10SV	11 15 104 0202	

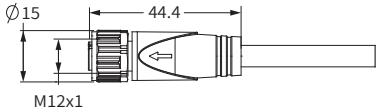
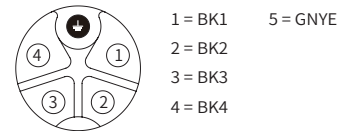
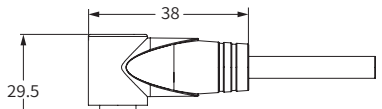
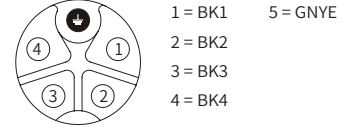
1): Cable type **UT=PUR-carrier chain** are optional, variable cable length is possible.

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
5-pole(+PE), straight, female, M12 L-code, cable type: SV , Anti-vibration 	2 m	M12L-SF5S-L2SV	11 16 105 1200	 1 = BN 5 = GY 2 = WH 3 = BU 4 = BK
	5 m	M12L-SF5S-L5SV	11 16 105 1201	
	10 m	M12L-SF5S-L10SV	11 16 105 1202	
5-pole(+PE), angled, female, M12 L-code, cable type: SV , Anti-vibration 	2 m	M12L-SF5A-L2SV	11 16 105 0200	 1 = BN 5 = GY 2 = WH 3 = BU 4 = BK
	5 m	M12L-SF5A-L5SV	11 16 105 0201	
	10 m	M12L-SF5A-L10SV	11 16 105 0202	

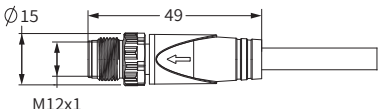
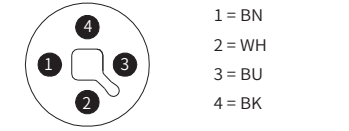
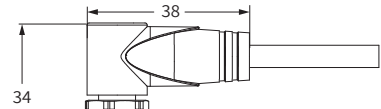
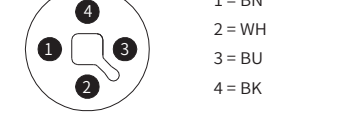
1): Cable type **U= PUR** and **UT=PUR-carrier chain** are optional, variable cable length is possible.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	K-code	Cable description	PVC-black
Rated current	[A] 16	Tightening torque	0.4 Nm
Rated voltage	[V] 630VAC	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	T-code	Cable description	PVC-black
Rated current	[A] 12	Tightening torque	0.4 Nm
Rated voltage	[V] 63VDC	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

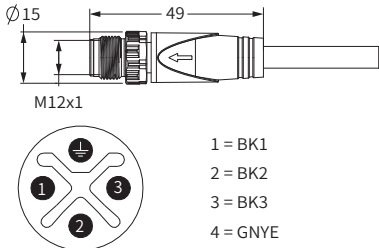
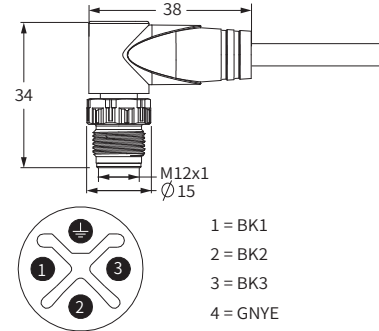
Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
5-pole(+PE), straight, female, M12 K-code, cable type: SV , Anti-vibration 	2 m	M12K-SF5S-L2SV	11 17 105 1200	 Ø15 44.4 M12x1  1 = BK1 5 = GNYE 2 = BK2 3 = BK3 4 = BK4
	5 m	M12K-SF5S-L5SV	11 17 105 1201	
	10 m	M12K-SF5S-L10SV	11 17 105 1202	
5-pole(+PE), angled, female, M12 K-code, cable type: SV , Anti-vibration 	2 m	M12K-SF5A-L2SV	11 17 105 0200	 38 29.5 M12x1 Ø15  1 = BK1 5 = GNYE 2 = BK2 3 = BK3 4 = BK4
	5 m	M12K-SF5A-L5SV	11 17 105 0201	
	10 m	M12K-SF5A-L10SV	11 17 105 0202	

1): Cable type **UT=PUR-carrier chain** are optional, variable cable length is possible.

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
4-pole, straight, male, M12 T-code, cable type: SV , Anti-vibration 	2 m	M12T-SM4S-L2SV	11 09 104 1100	 Ø15 49 M12x1  1 = BN 2 = WH 3 = BU 4 = BK
	5 m	M12T-SM4S-L5SV	11 09 104 1101	
	10 m	M12T-SM4S-L10SV	11 09 104 1102	
4-pole, angled, male, M12 T-code, cable type: SV , Anti-vibration 	2 m	M12T-SM4A-L2SV	11 09 104 0100	 38 34 M12x1 Ø15  1 = BN 2 = WH 3 = BU 4 = BK
	5 m	M12T-SM4A-L5SV	11 09 104 0101	
	10 m	M12T-SM4A-L10SV	11 09 104 0102	

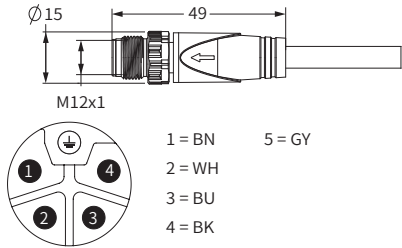
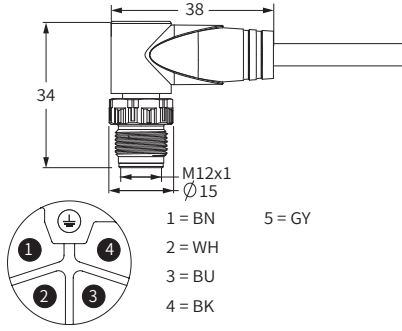
1): Cable type **U= PUR** and **UT=PUR-carrier chain** are optional, variable cable length is possible.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	S-code	Cable description	PVC-black
Rated current	[A] 12	Tightening torque	0.4 Nm
Rated voltage	[V] 630VAC	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
4-pole(+PE), straight, male, M12 S-code, cable type: SV , Anti-vibration 	2 m	M12S-SM4S-L2SV	11 15 104 1100	 M12x1 1 = BK1 2 = BK2 3 = BK3 4 = GNYE
	5 m	M12S-SM4S-L5SV	11 15 104 1101	
	10 m	M12S-SM4S-L10SV	11 15 104 1102	
4-pole(+PE), angled, male, M12 S-code, cable type: SV , Anti-vibration 	2 m	M12S-SM4A-L2SV	11 15 104 0100	 M12x1 Ø 15 1 = BK1 2 = BK2 3 = BK3 4 = GNYE
	5 m	M12S-SM4A-L5SV	11 15 104 0101	
	10 m	M12S-SM4A-L10SV	11 15 104 0102	

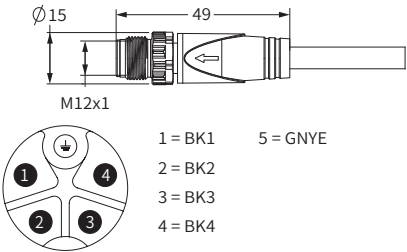
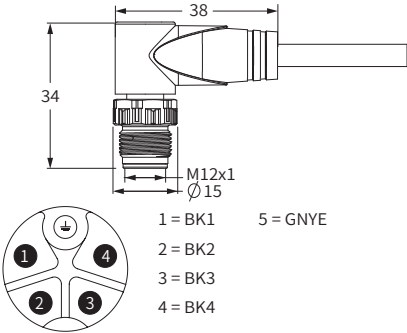
1): Cable type **UT=PUR-carrier chain** are optional, variable cable length is possible.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	L-code	Cable description	PVC-black
Rated current	[A] 16	Tightening torque	0.4 Nm
Rated voltage	[V] 63VDC	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF	RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
5-pole(+PE), straight, male, M12 L-code, cable type: SV , Anti-vibration 	2 m	M12L-SM5S-L2SV	11 16 105 1100	 M12x1 1 = BN 5 = GY 2 = WH 3 = BU 4 = BK
	5 m	M12L-SM5S-L5SV	11 16 105 1101	
	10 m	M12L-SM5S-L10SV	11 16 105 1102	
5-pole(+PE), angled, male, M12 L-code, cable type: SV , Anti-vibration 	2 m	M12L-SM5A-L2SV	11 16 105 0100	 M12x1 Ø 15 1 = BN 5 = GY 2 = WH 3 = BU 4 = BK
	5 m	M12L-SM5A-L5SV	11 16 105 0101	
	10 m	M12L-SM5A-L10SV	11 16 105 0102	

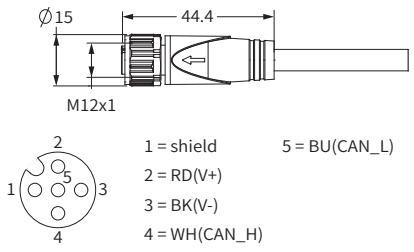
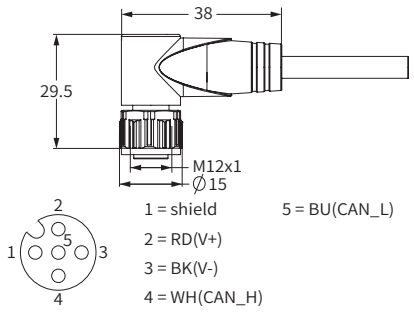
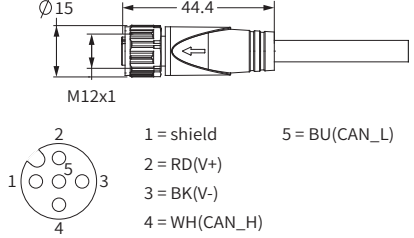
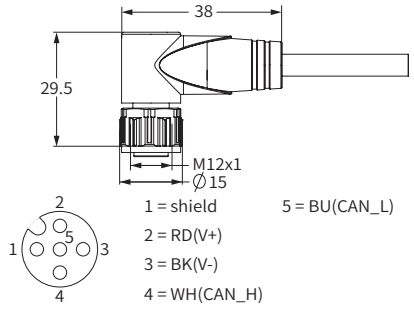
1): Cable type **U= PUR** and **UT=PUR-carrier chain** are optional, variable cable length is possible.

Technical characteristics				
Connector	M12		Material(seal)	FPM/FKM
Version	K-code		Cable description	PVC-black
Rated current	[A]	16	Tightening torque	0.4 Nm
Rated voltage	[V]	630VAC	Limiting temperature	[-25 ... +85
Insulation resistance	[Ω]	≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ]	≤5	Mating cycles	≥100
Material(grip body)	TPU-black		Pollution degree	3
Material(contact)	Brass, gold plated		Standard	IEC61076-2-101
Material(contact carrier)	TPU+GF		RoHS	compliant
Material(knurl)	Zinc die-cast/Nickel plated			

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
5-pole(+PE), straight, male, M12 K-code, cable type: SV , Anti-vibration 	2 m	M12K-SM5S-L2SV	11 17 105 1100	 Ø 15 49 M12x1 1 = BK1 5 = GNYE 2 = BK2 3 = BK3 4 = BK4
	5 m	M12K-SM5S-L5SV	11 17 105 1101	
	10 m	M12K-SM5S-L10SV	11 17 105 1102	
5-pole(+PE), angled, male, M12 K-code, cable type: SV , Anti-vibration 	2 m	M12K-SM5A-L2SV	11 17 105 0100	 38 34 M12x1 Ø 15 1 = BK1 5 = GNYE 2 = BK2 3 = BK3 4 = BK4
	5 m	M12K-SM5A-L5SV	11 17 105 0101	
	10 m	M12K-SM5A-L10SV	11 17 105 0102	

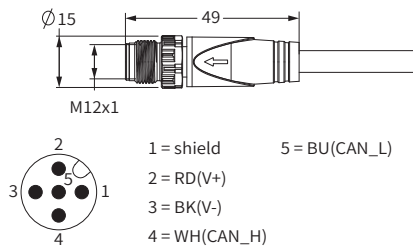
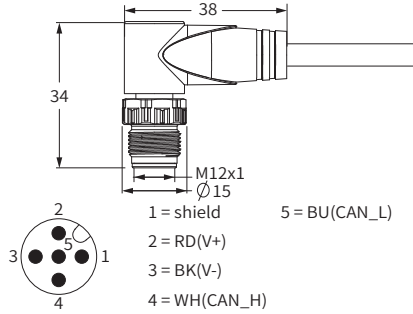
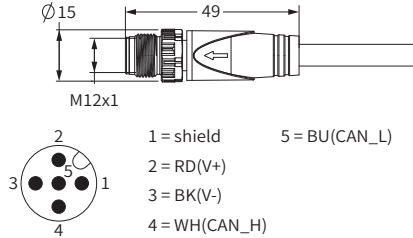
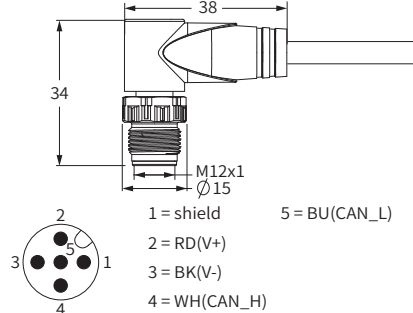
1): Cable type **UT=****PUR-carrier chain** are optional, variable cable length is possible.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	0.4 Nm
Rated current	[A] 4	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 250	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	TPU-blue	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	TPU+GF		
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
5-pole, straight, female, M12 A-code, cable type: V/DN10 , Anti-vibration	2 m	M12A-SF5S-L2V/DN10	11 03 105 1220	
	5 m	M12A-SF5S-L5V/DN10	11 03 105 1221	
	10 m	M12A-SF5S-L10V/DN10	11 03 105 1222	
5-pole, angled, female, M12 A-code, cable type: V/DN10 , Anti-vibration	2 m	M12A-SF5A-L2V/DN10	11 03 105 0220	
	5 m	M12A-SF5A-L5V/DN10	11 03 105 0221	
	10 m	M12A-SF5A-L10V/DN10	11 03 105 0222	
5-pole, straight, female, M12 A-code, cable type: V/DN32 , Anti-vibration	2 m	M12A-SF5S-L2V/DN32	11 03 105 1230	
	5 m	M12A-SF5S-L5V/DN32	11 03 105 1231	
	10 m	M12A-SF5S-L10V/DN32	11 03 105 1232	
5-pole, angled, female, M12 A-code, cable type: V/DN32 , Anti-vibration	2 m	M12A-SF5A-L2V/DN32	11 03 105 0230	
	5 m	M12A-SF5A-L5V/DN32	11 03 105 0231	
	10 m	M12A-SF5A-L10V/DN32	11 03 105 0232	

1): Ordering with variable cable length is possible.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	0.4 Nm
Rated current	[A] 4	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 250	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	TPU-blue	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	TPU+GF		
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
5-pole, straight, male, M12 A-code, cable type: V/DN10 , Anti-vibration	2 m	M12A-SM5S-L2V/DN10	11 03 105 1120	
	5 m	M12A-SM5S-L5V/DN10	11 03 105 1121	
	10 m	M12A-SM5S-L10V/DN10	11 03 105 1122	
5-pole, angled, male, M12 A-code, cable type: V/DN10 , Anti-vibration	2 m	M12A-SM5A-L2V/DN10	11 03 105 0120	
	5 m	M12A-SM5A-L5V/DN10	11 03 105 0121	
	10 m	M12A-SM5A-L10V/DN10	11 03 105 0122	
5-pole, straight, male, M12 A-code, cable type: V/DN32 , Anti-vibration	2 m	M12A-SM5S-L2V/DN32	11 03 105 1130	
	5 m	M12A-SM5S-L5V/DN32	11 03 105 1131	
	10 m	M12A-SM5S-L10V/DN32	11 03 105 1132	
5-pole, angled, male, M12 A-code, cable type: V/DN32 , Anti-vibration	2 m	M12A-SM5A-L2V/DN32	11 03 105 0130	
	5 m	M12A-SM5A-L5V/DN32	11 03 105 0131	
	10 m	M12A-SM5A-L10V/DN32	11 03 105 0132	

1): Ordering with variable cable length is possible.

Technical characteristics			
Connector	M12		Material(seal)
Version	D-code		FPM/FKM
Rated current	[A]	4	Tightening torque
Rated voltage	[V]	250	0.4 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature
Contact resistance	[mΩ]	≤5	[-25 ... +85 °C]
Material(grip body)	TPU-black		Degree of protection (IP)
Material(contact)	Brass, gold plated		IP67
Material(contact carrier)	TPU+GF		Mating cycles
Material(knurl)	Zinc die-cast/Nickel plated		≥100
			Pollution degree
			3
			Standard
			IEC61076-2-101
			RoHS
			compliant

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
4-pole, straight, female, M12 D-code, cable type: PN21 , Anti-vibration	2 m	M12D-SF4S-L2PN21	11 05 104 1210	Ø15 44.4 M12x1 1 = Yellow(+tx) 2 = White(+rx) 3 = Orange(-tx) 4 = Blue(-rx)
	5 m	M12D-SF4S-L5PN21	11 05 104 1211	
	10 m	M12D-SF4S-L10PN21	11 05 104 1212	
4-pole, angled, female, M12 D-code, cable type: PN21 , Anti-vibration	2 m	M12D-SF4A-L2PN21	11 05 104 0210	38 29.5 M12x1 Ø15 1 = Yellow(+tx) 2 = White(+rx) 3 = Orange(-tx) 4 = Blue(-rx)
	5 m	M12D-SF4A-L5PN21	11 05 104 0211	
	10 m	M12D-SF4A-L10PN21	11 05 104 0212	
4-pole, straight, female, M12 D-code, cable type: PN23 , Anti-vibration	2 m	M12D-SF4S-L2PN23	11 05 104 1213	Ø15 44.4 M12x1 1 = Yellow(+tx) 2 = White(+rx) 3 = Orange(-tx) 4 = Blue(-rx)
	5 m	M12D-SF4S-L5PN23	11 05 104 1214	
	10 m	M12D-SF4S-L10PN23	11 05 104 1215	
4-pole, angled, female, M12 D-code, cable type: PN23 , Anti-vibration	2 m	M12D-SF4A-L2PN23	11 05 104 0213	38 29.5 M12x1 Ø15 1 = Yellow(+tx) 2 = White(+rx) 3 = Orange(-tx) 4 = Blue(-rx)
	5 m	M12D-SF4A-L5PN23	11 05 104 0214	
	10 m	M12D-SF4A-L10PN23	11 05 104 0215	

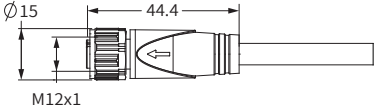
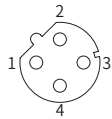
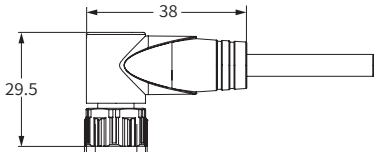
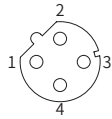
1): Ordering with variable cable length is possible.

Technical characteristics			
Connector	M12		Material(seal)
Version	D-code		FPM/FKM
Rated current	[A]	4	Tightening torque
Rated voltage	[V]	250	0.4 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature
Contact resistance	[mΩ]	≤5	[-25 ... +85 °C]
Material(grip body)	TPU-black		Degree of protection (IP)
Material(contact)	Brass, gold plated		IP67
Material(contact carrier)	TPU+GF		Mating cycles
Material(knurl)	Zinc die-cast/Nickel plated		≥100
			Pollution degree
			3
			Standard
			IEC61076-2-101
			RoHS
			compliant

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
4-pole, straight, male, M12 D-code, cable type: PN21 , Anti-vibration	2 m	M12D-SM4S-L2PN21	11 05 104 1110	Ø15 49 M12x1 1 = Yellow(+tx) 2 = White(+rx) 3 = Orange(-tx) 4 = Blue(-rx)
	5 m	M12D-SM4S-L5PN21	11 05 104 1111	
	10 m	M12D-SM4S-L10PN21	11 05 104 1112	
4-pole, angled, male, M12 D-code, cable type: PN21 , Anti-vibration	2 m	M12D-SM4A-L2PN21	11 05 104 0110	38 34 M12x1 Ø15 1 = Yellow(+tx) 2 = White(+rx) 3 = Orange(-tx) 4 = Blue(-rx)
	5 m	M12D-SM4A-L5PN21	11 05 104 0111	
	10 m	M12D-SM4A-L10PN21	11 05 104 0112	
4-pole, straight, male, M12 D-code, cable type: PN23 , Anti-vibration	2 m	M12D-SM4S-L2PN23	11 05 104 1113	Ø15 49 M12x1 1 = Yellow(+tx) 2 = White(+rx) 3 = Orange(-tx) 4 = Blue(-rx)
	5 m	M12D-SM4S-L5PN23	11 05 104 1114	
	10 m	M12D-SM4S-L10PN23	11 05 104 1115	
4-pole, angled, male, M12 D-code, cable type: PN23 , Anti-vibration	2 m	M12D-SM4A-L2PN23	11 05 104 0113	38 34 M12x1 Ø15 1 = Yellow(+tx) 2 = White(+rx) 3 = Orange(-tx) 4 = Blue(-rx)
	5 m	M12D-SM4A-L5PN23	11 05 104 0114	
	10 m	M12D-SM4A-L10PN23	11 05 104 0115	

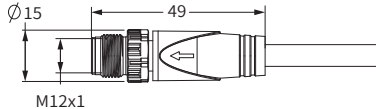
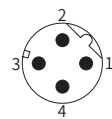
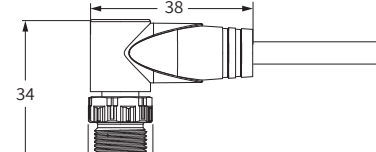
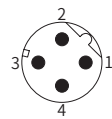
1): Ordering with variable cable length is possible.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	D-code	Tightening torque	0.4 Nm
Rated current	[A] 1.5	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 60	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	TPU-black	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	TPU+GF		
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
4-pole, straight, female, M12 D-code, cable type: PN27 , Anti-vibration 	2 m	M12D-SF4S-L2PN27	11 05 104 1216	 M12x1  1 = OR/WH(+tx) 2 = BU/WH(+rx) 3 = OR(-tx) 4 = BU(-rx)
	5 m	M12D-SF4S-L5PN27	11 05 104 1217	
	10 m	M12D-SF4S-L10PN27	11 05 104 1218	
4-pole, angled, female, M12 D-code, cable type: PN27 , Anti-vibration 	2 m	M12D-SF4A-L2PN27	11 05 104 0216	 M12x1 Ø15  1 = OR/WH(+tx) 2 = BU/WH(+rx) 3 = OR(-tx) 4 = BU(-rx)
	5 m	M12D-SF4A-L5PN27	11 05 104 0217	
	10 m	M12D-SF4A-L10PN27	11 05 104 0218	

1): Ordering with variable cable length is possible.

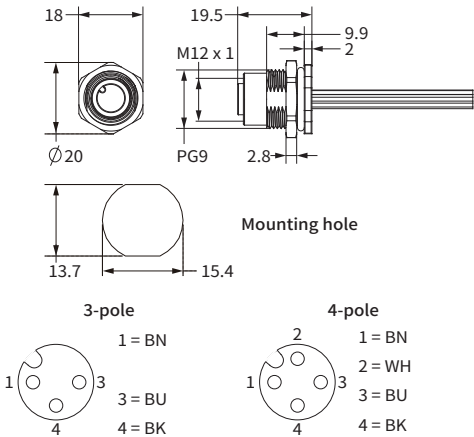
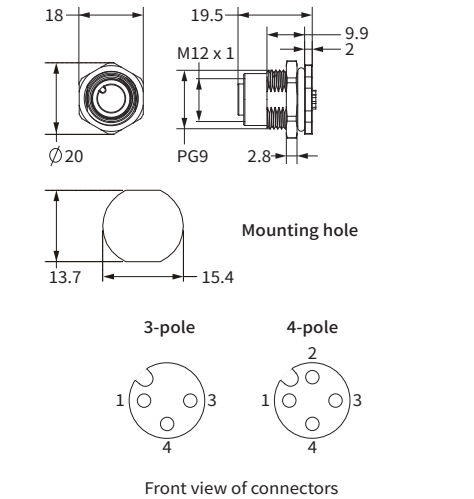
Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	D-code	Tightening torque	0.4 Nm
Rated current	[A] 1.5	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 60	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	TPU-black	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	TPU+GF		
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
4-pole, straight, male, M12 D-code, cable type: PN27 , Anti-vibration 	2 m	M12D-SM4S-L2PN27	11 05 104 1116	 M12x1  1 = OR/WH(+tx) 2 = BU/WH(+rx) 3 = OR(-tx) 4 = BU(-rx)
	5 m	M12D-SM4S-L5PN27	11 05 104 1117	
	10 m	M12D-SM4S-L10PN27	11 05 104 1118	
4-pole, angled, male, M12 D-code, cable type: PN27 , Anti-vibration 	2 m	M12D-SM4A-L2PN27	11 05 104 0116	 M12x1 Ø15  1 = OR/WH(+tx) 2 = BU/WH(+rx) 3 = OR(-tx) 4 = BU(-rx)
	5 m	M12D-SM4A-L5PN27	11 05 104 0117	
	10 m	M12D-SM4A-L10PN27	11 05 104 0118	

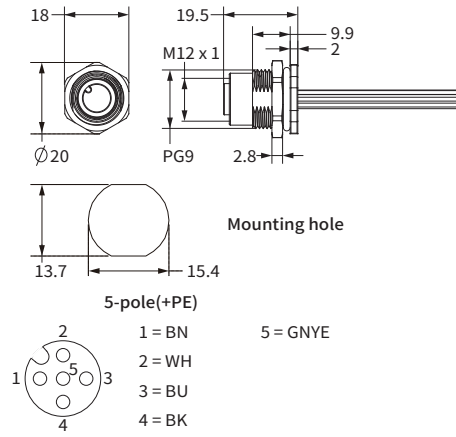
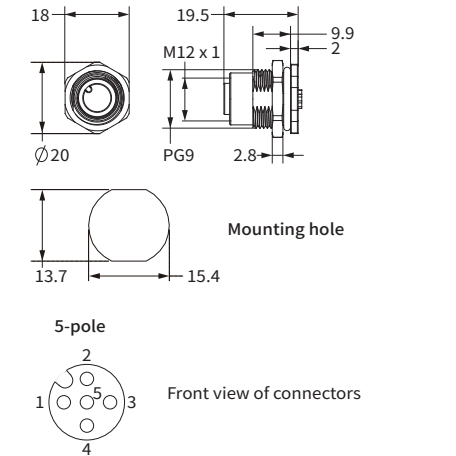
1): Ordering with variable cable length is possible.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 4	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 250	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 4	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 60	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , rear mounting, female, individual wires, M12 A-code	3-pole	M12A-F3R-L0.5PG9	11 03 003 2200	
	4-pole	M12A-F4R-L0.5PG9	11 03 004 2200	
Sensor/Actuator Receptacles, rear mounting, female, Solder Cup, M12 A-code	3-pole	M12A-FS3R-PG9	11 03 003 2600	
	4-pole	M12A-FS4R-PG9	11 03 004 2600	

1): Standard cable length is 0.5m, variable cable length is optional; Fastening M16x1.5 is opional.

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , rear mounting, female, individual wires, M12 A-code	5-pole(+PE)	M12A-F5R-L0.5PG9-5GNYE	11 03 005 2280	
	5-pole	M12A-F5R-L0.5PG9	11 03 005 2200	
Sensor/Actuator Receptacles, rear mounting, female, Solder Cup, M12 A-code	5-pole	M12A-FS5R-PG9	11 03 005 2600	

1): Standard cable length is 0.5m, variable cable length is optional; Fastening M16x1.5 is opional.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 2	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 30	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 2	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 30	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , rear mounting, female, individual wires, M12 A-code	6-pole	M12A-F6R-L0.5PG9	11 03 006 2200	6-pole 1 = BN 5 = GY 2 = WH 6 = PK 3 = BU 4 = BK
Sensor/Actuator Receptacles, rear mounting, female, Solder Cup, M12 A-code	6-pole	M12A-FS6R-PG9	11 03 006 2600	6-pole 1 = BN 5 = GY 2 = WH 6 = PK 3 = BU 4 = BK

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , rear mounting, female, individual wires, M12 A-code	8-pole	M12A-F8R-L0.5PG9	11 03 008 2200	8-pole 1 = WH 5 = GY 2 = BN 6 = PK 3 = GN 7 = BU 4 = YE 8 = RD
Sensor/Actuator Receptacles, rear mounting, female, Solder Cup, M12 A-code	8-pole	M12A-FS8R-PG9	11 03 008 2600	8-pole 1 = WH 5 = GY 2 = BN 6 = PK 3 = GN 7 = BU 4 = YE 8 = RD

1): Standard cable length is 0.5m, variable cable length is optional; Fastening M16x1.5 is optional.

1): Standard cable length is 0.5m, variable cable length is optional; Fastening M16x1.5 is optional.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 1.5	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 30	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 4	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 250	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , rear mounting, female, individual wires, M12 A-code	12-pole	M12A-F12R-L0.5PG9	11 03 012 2200	12-pole 1 = BN 7 = BK 2 = BU 8 = GY 3 = WH 9 = RD 4 = GN 10 = VT 5 = PK 11 = GY/PK 6 = YE 12 = RD/BU 17-pole 1 = BN 10 = VT 2 = BU 11 = GY/PK 3 = WH 12 = RD/BU 4 = GN 13 = WH/GN 5 = PK 14 = BN/GN 6 = YE 15 = WH/YE 7 = BK 16 = YE/BN 8 = GY 17 = WH/GY 9 = RD
	17-pole	M12A-F17R-L0.5PG9	11 03 017 2200	

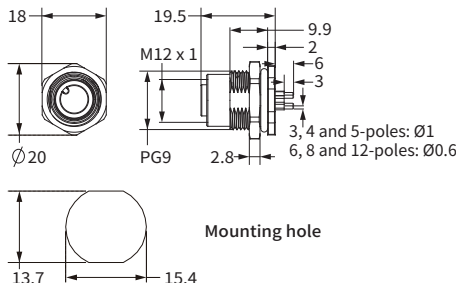
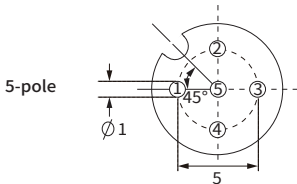
1): Standard cable length is 0.5m, variable cable length is optional; Fastening M16x1.5 is optional.

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, rear mounting, female, PCB mounting, M12 A-code	3-pole	M12A-FD3R-PG9	11 03 003 2610	Pin front view of connectors 3-pole 4-pole 3-pole 4-pole
	4-pole	M12A-FD4R-PG9	11 03 004 2610	

Fastening M16x1.5 is optional.

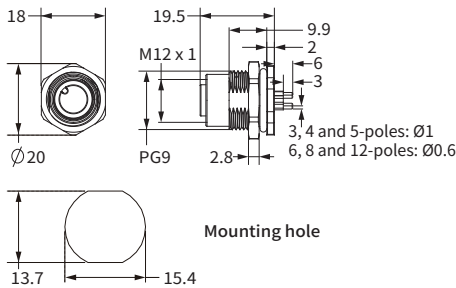
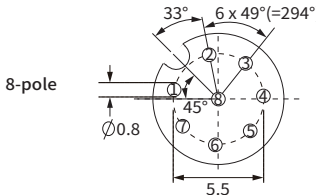
Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 4	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 60	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 2	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 30	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)																		
Sensor/Actuator Receptacles, rear mounting, female, PCB mounting, M12 A-code 	5-pole	M12A-FD5R-PG9	11 03 005 2610	 Pin front view of connectors  <table><tr><td>Pin</td><td>X</td><td>Y</td></tr><tr><td>1</td><td>-2.50</td><td>0.00</td></tr><tr><td>2</td><td>0.00</td><td>2.50</td></tr><tr><td>3</td><td>2.50</td><td>0.00</td></tr><tr><td>4</td><td>0.00</td><td>-2.50</td></tr><tr><td>5</td><td>0.00</td><td>0.00</td></tr></table>	Pin	X	Y	1	-2.50	0.00	2	0.00	2.50	3	2.50	0.00	4	0.00	-2.50	5	0.00	0.00
Pin	X	Y																				
1	-2.50	0.00																				
2	0.00	2.50																				
3	2.50	0.00																				
4	0.00	-2.50																				
5	0.00	0.00																				

Fastening M16x1.5 is optional.

Fastening M16x1.5 is optional.

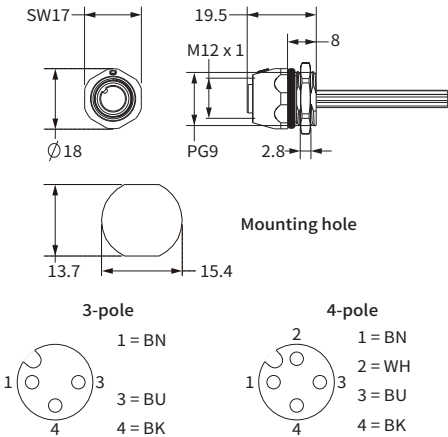
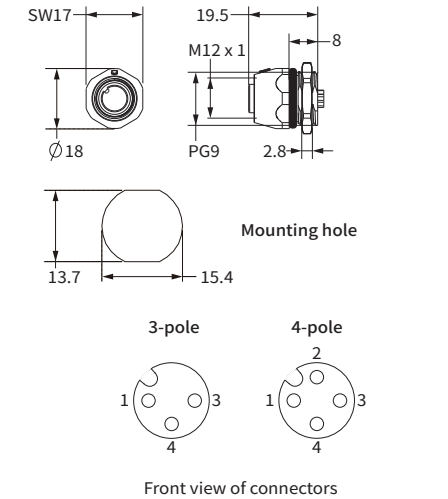
Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)																											
Sensor/Actuator Receptacles, rear mounting, female, PCB mounting, M12 A-code 	8-pole	M12A-FD8R-PG9	11 03 008 2610	 Pin front view of connectors  <table><tr><th>Pin</th><th>X</th><th>Y</th></tr><tr><td>1</td><td>-2.69</td><td>0.57</td></tr><tr><td>2</td><td>-0.57</td><td>2.69</td></tr><tr><td>3</td><td>1.66</td><td>2.20</td></tr><tr><td>4</td><td>2.75</td><td>0.19</td></tr><tr><td>5</td><td>1.94</td><td>-1.94</td></tr><tr><td>6</td><td>-0.19</td><td>-2.75</td></tr><tr><td>7</td><td>-2.20</td><td>-1.66</td></tr><tr><td>8</td><td>0.00</td><td>0.00</td></tr></table>	Pin	X	Y	1	-2.69	0.57	2	-0.57	2.69	3	1.66	2.20	4	2.75	0.19	5	1.94	-1.94	6	-0.19	-2.75	7	-2.20	-1.66	8	0.00	0.00
Pin	X	Y																													
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7	-2.20	-1.66																													
8	0.00	0.00																													

Fastening M16x1.5 is optional.

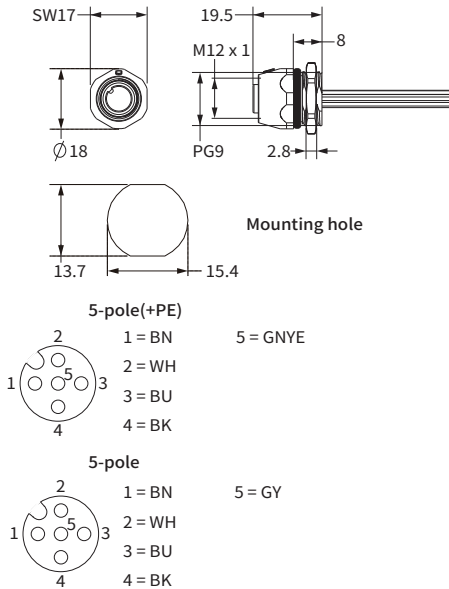
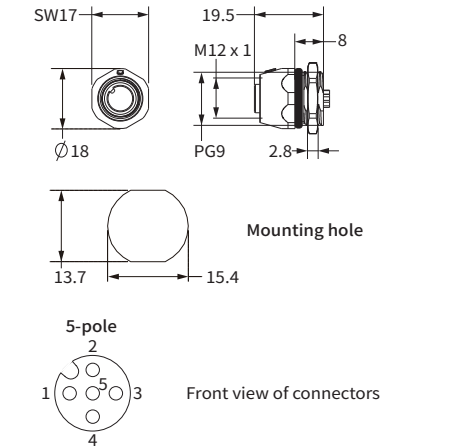
Fastening M16x1.5 is optional.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 4	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 250	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 4	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 60	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , front mounting, female, individual wires, M12 A-code	3-pole	M12A-F3F-L0.5PG9	11 03 003 3200	
	4-pole	M12A-F4F-L0.5PG9	11 03 004 3200	
Sensor/Actuator Receptacles, front mounting, female, Solder Cup, M12 A-code	3-pole	M12A-FS3F-PG9	11 03 003 3600	
	4-pole	M12A-FS4F-PG9	11 03 004 3600	

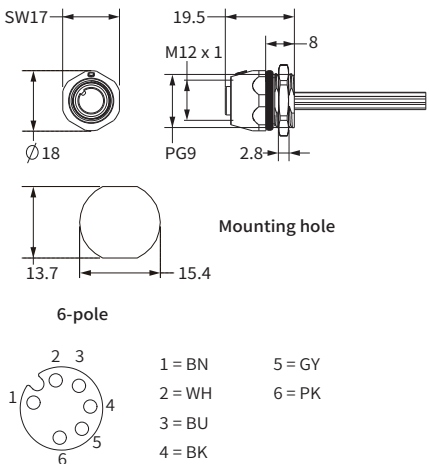
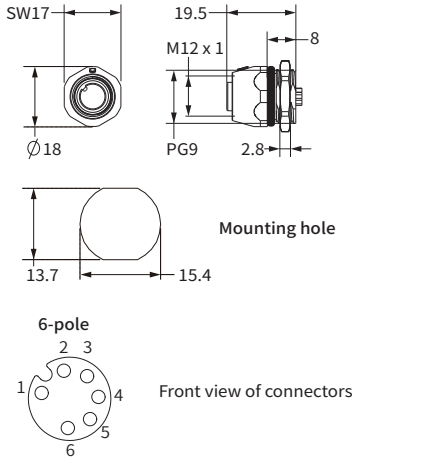
1): Standard cable length is 0.5m, variable cable length is optional.; Fastening M16x1.5 is optional.

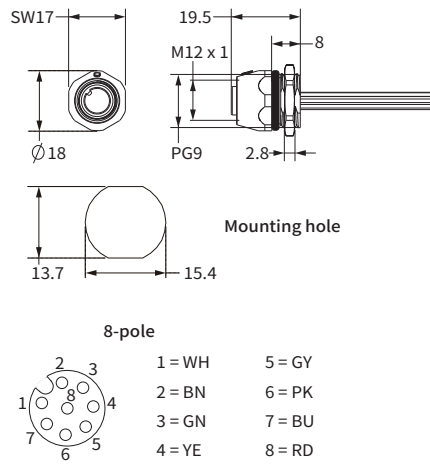
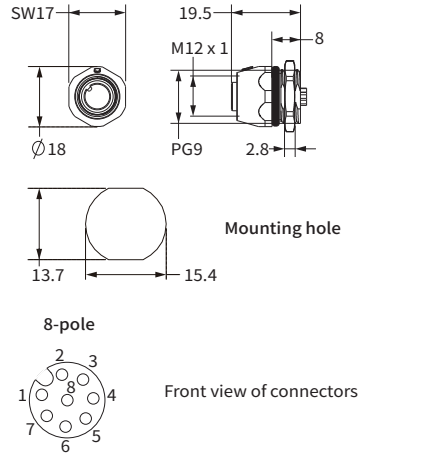
Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , front mounting, female, individual wires, M12 A-code	5-pole(+PE)	M12A-F5F-L0.5PG9-5GNYE	11 03 005 3280	
	5-pole	M12A-F5F-L0.5PG9	11 03 005 3200	
Sensor/Actuator Receptacles, front mounting, female, Solder Cup, M12 A-code	5-pole	M12A-FS5F-PG9	11 03 005 3600	

1): Standard cable length is 0.5m, variable cable length is optional.; Fastening M16x1.5 is optional.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 2	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 30	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 2	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 30	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , front mounting, female, individual wires, M12 A-code	6-pole	M12A-F6F-L0.5PG9	11 03 006 3200	 6-pole 1 = BN 5 = GY 2 = WH 6 = PK 3 = BU 4 = BK
Sensor/Actuator Receptacles, front mounting, female, Solder Cup, M12 A-code	6-pole	M12A-FS6F-PG9	11 03 006 3600	 6-pole Front view of connectors

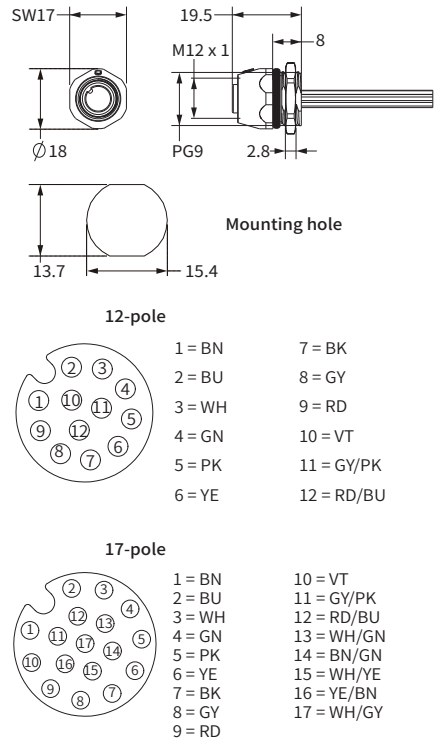
Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , front mounting, female, individual wires, M12 A-code	8-pole	M12A-F8F-L0.5PG9	11 03 008 3200	 8-pole 1 = WH 5 = GY 2 = BN 6 = PK 3 = GN 7 = BU 4 = YE 8 = RD
Sensor/Actuator Receptacles, front mounting, female, Solder Cup, M12 A-code	8-pole	M12A-FS8F-PG9	11 03 008 3600	 8-pole Front view of connectors

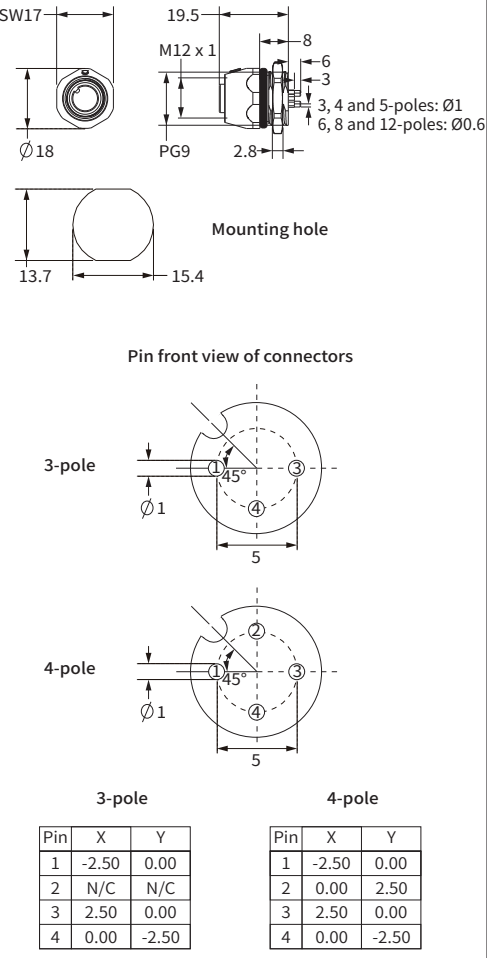
1): Standard cable length is 0.5m, variable cable length is optional.; Fastening M16x1.5 is optional.

1): Standard cable length is 0.5m, variable cable length is optional; Fastening M16x1.5 is optional.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 1.5	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 30	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 4	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 250	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

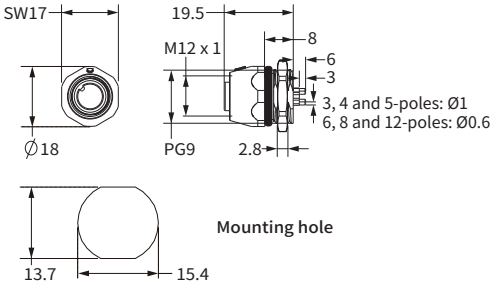
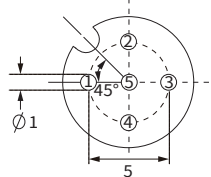
Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , front mounting, female, individual wires, M12 A-code	12-pole	M12A-F12F-L0.5PG9	11 03 012 3200	
	17-pole	M12A-F17F-L0.5PG9	11 03 017 3200	

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, front mounting, female, PCB mounting, M12 A-code	3-pole	M12A-FD3F-PG9	11 03 003 3610	
	4-pole	M12A-FD4F-PG9	11 03 004 3610	

1): Standard cable length is 0.5m, variable cable length is optional.; Fastening M16x1.5 is opional.

Fastening M16x1.5 is opional.

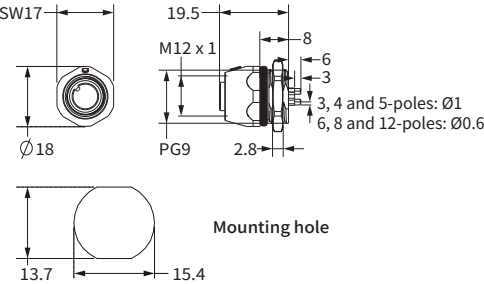
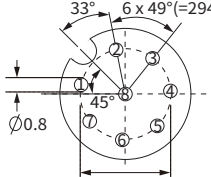
Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 4	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 60	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)																		
Sensor/Actuator Receptacles, front mounting, female, PCB mounting, M12 A-code 	5-pole	M12A-FD5F-PG9	11 03 005 3610	 SW17 19.5 8 6 3 3, 4 and 5-poles: Ø1 6, 8 and 12-poles: Ø0.6 M12 x 1 PG9 2.8 Mounting hole 13.7 15.4 Pin front view of connectors 5-pole  Ø 1 5 <table><tr><td>Pin</td><td>X</td><td>Y</td></tr><tr><td>1</td><td>-2.50</td><td>0.00</td></tr><tr><td>2</td><td>0.00</td><td>2.50</td></tr><tr><td>3</td><td>2.50</td><td>0.00</td></tr><tr><td>4</td><td>0.00</td><td>-2.50</td></tr><tr><td>5</td><td>0.00</td><td>0.00</td></tr></table>	Pin	X	Y	1	-2.50	0.00	2	0.00	2.50	3	2.50	0.00	4	0.00	-2.50	5	0.00	0.00
Pin	X	Y																				
1	-2.50	0.00																				
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4	0.00	-2.50																				
5	0.00	0.00																				

Fastening M16x1.5 is optional.

Fastening M16x1.5 is optional.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 2	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 30	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

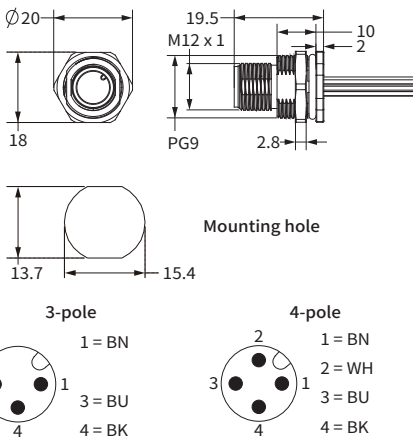
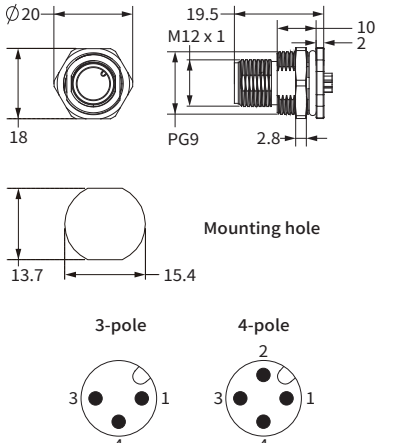
Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)																											
Sensor/Actuator Receptacles, front mounting, female, PCB mounting, M12 A-code 	8-pole	M12A-FD8F-PG9	11 03 008 3610	 SW17 19.5 8 6 3 3, 4 and 5-poles: Ø1 6, 8 and 12-poles: Ø0.6 M12 x 1 PG9 2.8 Mounting hole 13.7 15.4 Pin front view of connectors 8-pole  33° 6 x 49°(=294°) 45° 5.5 Ø 0.8 <table><tr><td>Pin</td><td>X</td><td>Y</td></tr><tr><td>1</td><td>-2.69</td><td>0.57</td></tr><tr><td>2</td><td>-0.57</td><td>2.69</td></tr><tr><td>3</td><td>1.66</td><td>2.20</td></tr><tr><td>4</td><td>2.75</td><td>0.19</td></tr><tr><td>5</td><td>1.94</td><td>-1.94</td></tr><tr><td>6</td><td>-0.19</td><td>-2.75</td></tr><tr><td>7</td><td>-2.20</td><td>-1.66</td></tr><tr><td>8</td><td>0.00</td><td>0.00</td></tr></table>	Pin	X	Y	1	-2.69	0.57	2	-0.57	2.69	3	1.66	2.20	4	2.75	0.19	5	1.94	-1.94	6	-0.19	-2.75	7	-2.20	-1.66	8	0.00	0.00
Pin	X	Y																													
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7	-2.20	-1.66																													
8	0.00	0.00																													

Fastening M16x1.5 is optional.

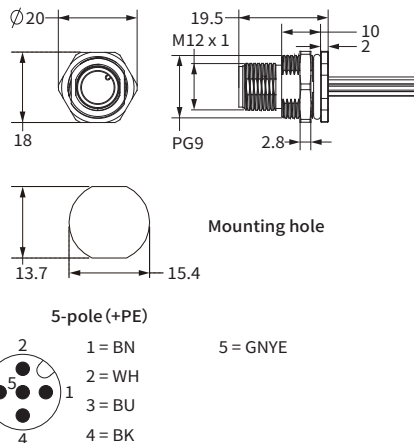
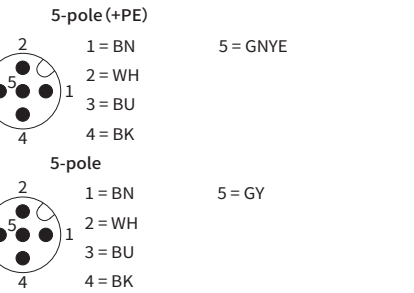
Fastening M16x1.5 is optional.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 4	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 250	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 4	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 60	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , rear mounting, male, individual wires, M12 A-code	3-pole	M12A-M3R-L0.5PG9	11 03 003 2100	
	4-pole	M12A-M4R-L0.5PG9	11 03 004 2100	
Sensor/Actuator Receptacles, rear mounting, male, Solder Cup, M12 A-code	3-pole	M12A-MS3R-PG9	11 03 003 2500	
	4-pole	M12A-MS4R-PG9	11 03 004 2500	

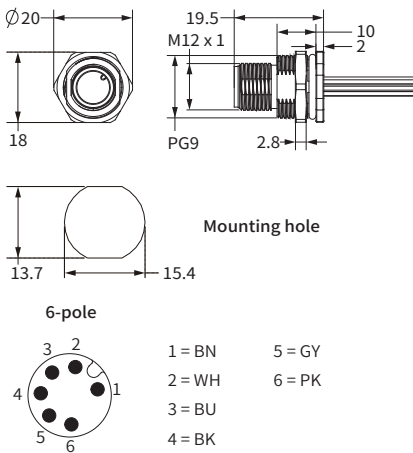
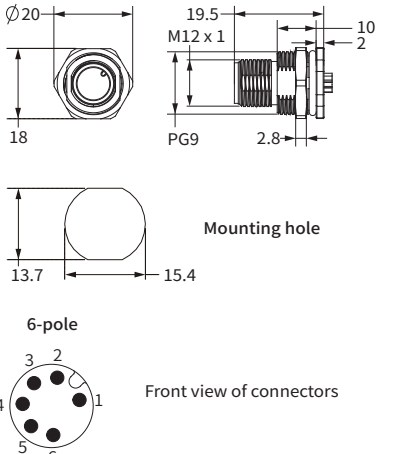
1): Standard cable length is 0.5m, variable cable length is optional; Fastening M16x1.5 is optional.

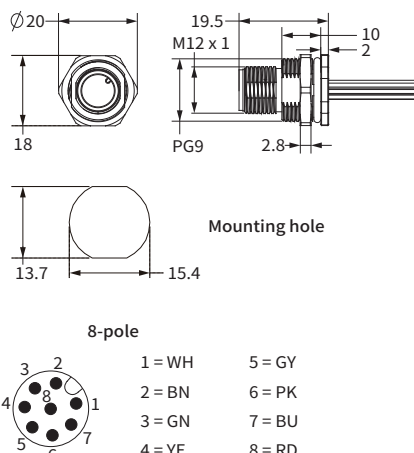
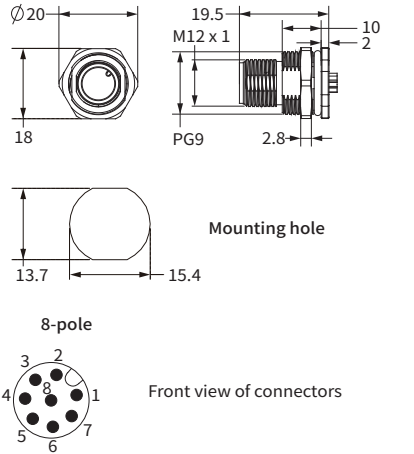
Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , rear mounting, male, individual wires, M12 A-code	5-pole(+PE)	M12A-M5R-L0.5PG9-5GNYE	11 03 005 2180	
	5-pole	M12A-M5R-L0.5PG9	11 03 005 2100	
Sensor/Actuator Receptacles, rear mounting, male, Solder Cup, M12 A-code	5-pole	M12A-MS5R-PG9	11 03 005 2500	
	5-pole	M12A-MS5R-PG9	11 03 005 2500	

1): Standard cable length is 0.5m, variable cable length is optional; Fastening M16x1.5 is optional.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 2	Limiting temperature	[-25 ... +85 °C]
Rated voltage	[V] 30	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 2	Limiting temperature	[-25 ... +85 °C]
Rated voltage	[V] 30	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , rear mounting, male, individual wires, M12 A-code	6-pole	M12A-M6R-L0.5PG9	11 03 006 2100	 6-pole 1 = BN 5 = GY 2 = WH 6 = PK 3 = BU 4 = BK
Sensor/Actuator Receptacles, rear mounting, male, Solder Cup, M12 A-code	6-pole	M12A-MS6R-PG9	11 03 006 2500	 6-pole Front view of connectors

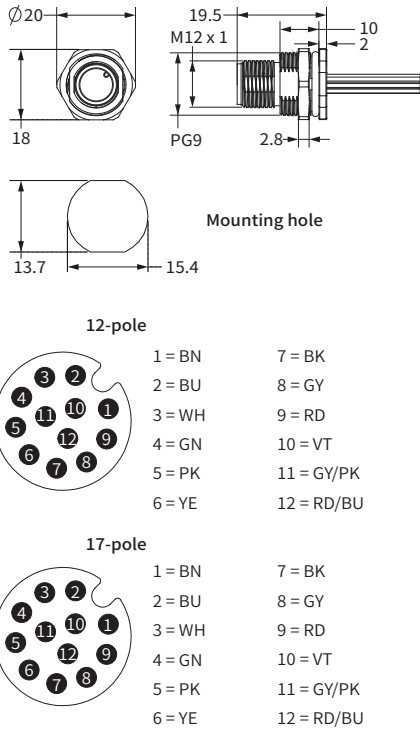
Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , rear mounting, male, individual wires, M12 A-code	8-pole	M12A-M8R-L0.5PG9	11 03 008 2100	 8-pole 1 = WH 5 = GY 2 = BN 6 = PK 3 = GN 7 = BU 4 = YE 8 = RD
Sensor/Actuator Receptacles, rear mounting, male, Solder Cup, M12 A-code	8-pole	M12A-MS8R-PG9	11 03 008 2500	 8-pole Front view of connectors

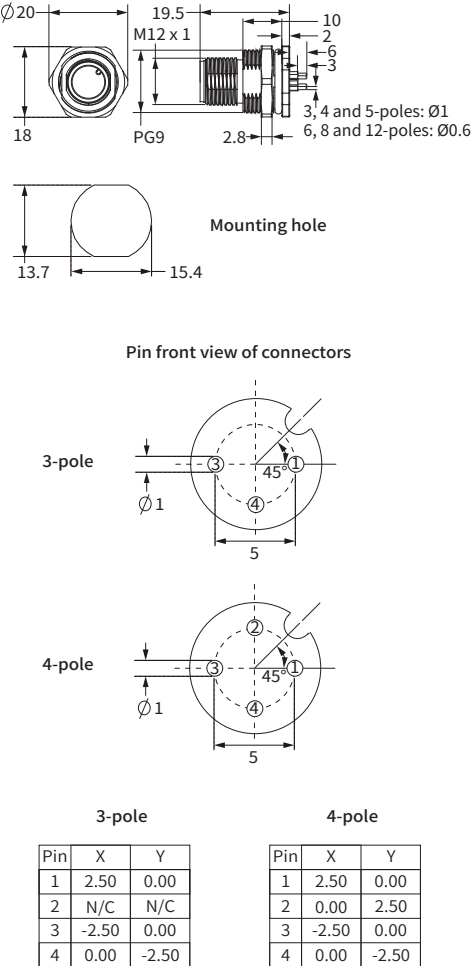
1): Standard cable length is 0.5m, variable cable length is optional; Fastening M16x1.5 is optional.

1): Standard cable length is 0.5m, variable cable length is optional; Fastening M16x1.5 is optional.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 1.5	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 30	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 4	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 250	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , rear mounting, male, individual wires, M12 A-code	12-pole	M12A-M12R-L0.5PG9	11 03 012 2100	
	17-pole	M12A-M17R-L0.5PG9	11 03 017 2100	

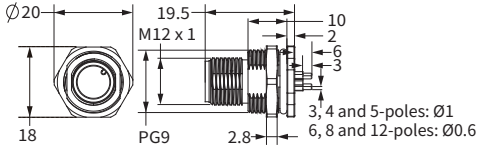
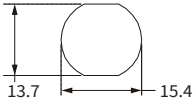
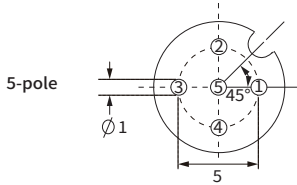
Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, rear mounting, male, PCB mounting, M12 A-code	3-pole	M12A-MD3R-PG9	11 03 003 2510	
	4-pole	M12A-MD4R-PG9	11 03 004 2510	

1): Standard cable length is 0.5m, variable cable length is optional; Fastening M16x1.5 is optional.

Fastening M16x1.5 is optional.

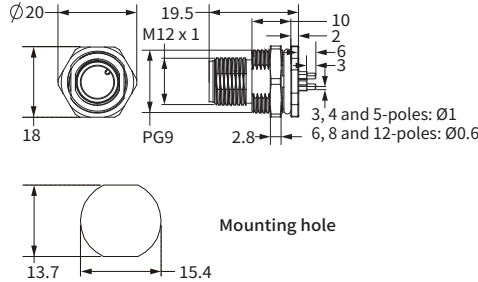
Technical characteristics			
Connector	M12		Material(seal)
Version	A-code		FPM/FKM
Rated current	[A]	4	Tightening torque
Rated voltage	[V]	60	3 ... 4 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature
Contact resistance	[mΩ]	≤5	[-25 ... +85 °C]
Material(grip body)	Zinc die-cast/Nickel plated		Degree of protection (IP)
Material(contact)	Brass, gold plated		IP67
Material(contact carrier)	Polyamides		Mating cycles
Material(knurl)	Zinc die-cast/Nickel plated		≥100
			Pollution degree
			3
			Standard
			IEC61076-2-101
			RoHS
			compliant

Technical characteristics			
Connector	M12		Material(seal)
Version	A-code		FPM/FKM
Rated current	[A]	2	Tightening torque
Rated voltage	[V]	30	3 ... 4 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature
Contact resistance	[mΩ]	≤5	[-25 ... +85 °C]
Material(grip body)	Zinc die-cast/Nickel plated		Degree of protection (IP)
Material(contact)	Brass, gold plated		IP67
Material(contact carrier)	Polyamides		Mating cycles
Material(knurl)	Zinc die-cast/Nickel plated		≥100
			Pollution degree
			3
			Standard
			IEC61076-2-101
			RoHS
			compliant

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)																		
Sensor/Actuator Receptacles, rear mounting, male, PCB mounting, M12 A-code 	5-pole	M12A-MD5R-PG9	11 03 005 2510	  Mounting hole Pin front view of connectors  <table><tr><th>Pin</th><th>X</th><th>Y</th></tr><tr><td>1</td><td>2.50</td><td>0.00</td></tr><tr><td>2</td><td>0.00</td><td>2.50</td></tr><tr><td>3</td><td>-2.50</td><td>0.00</td></tr><tr><td>4</td><td>0.00</td><td>-2.50</td></tr><tr><td>5</td><td>0.00</td><td>0.00</td></tr></table>	Pin	X	Y	1	2.50	0.00	2	0.00	2.50	3	-2.50	0.00	4	0.00	-2.50	5	0.00	0.00
Pin	X	Y																				
1	2.50	0.00																				
2	0.00	2.50																				
3	-2.50	0.00																				
4	0.00	-2.50																				
5	0.00	0.00																				

Fastening M16x1.5 is optional.

Fastening M16x1.5 is optional.

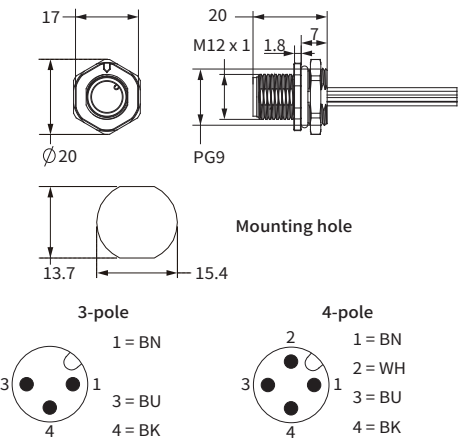
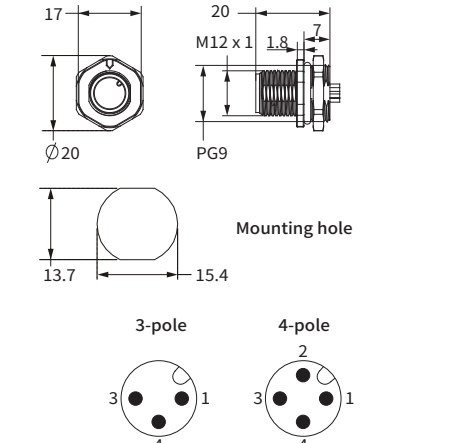
Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)																											
Sensor/Actuator Receptacles, rear mounting, male, PCB mounting, M12 A-code 	8-pole	M12A-MD8R-PG9	11 03 008 2510	 3, 4 and 5-poles: Ø1 6, 8 and 12-poles: Ø0.6 Mounting hole Pin front view of connectors 8-pole <table><tr><th>Pin</th><th>X</th><th>Y</th></tr><tr><td>1</td><td>2.69</td><td>0.57</td></tr><tr><td>2</td><td>0.57</td><td>2.69</td></tr><tr><td>3</td><td>-1.66</td><td>2.20</td></tr><tr><td>4</td><td>-2.75</td><td>0.19</td></tr><tr><td>5</td><td>-1.94</td><td>-1.94</td></tr><tr><td>6</td><td>0.19</td><td>-2.75</td></tr><tr><td>7</td><td>2.20</td><td>-1.66</td></tr><tr><td>8</td><td>0.00</td><td>0.00</td></tr></table>	Pin	X	Y	1	2.69	0.57	2	0.57	2.69	3	-1.66	2.20	4	-2.75	0.19	5	-1.94	-1.94	6	0.19	-2.75	7	2.20	-1.66	8	0.00	0.00
Pin	X	Y																													
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5	-1.94	-1.94																													
6	0.19	-2.75																													
7	2.20	-1.66																													
8	0.00	0.00																													

Fastening M16x1.5 is optional.

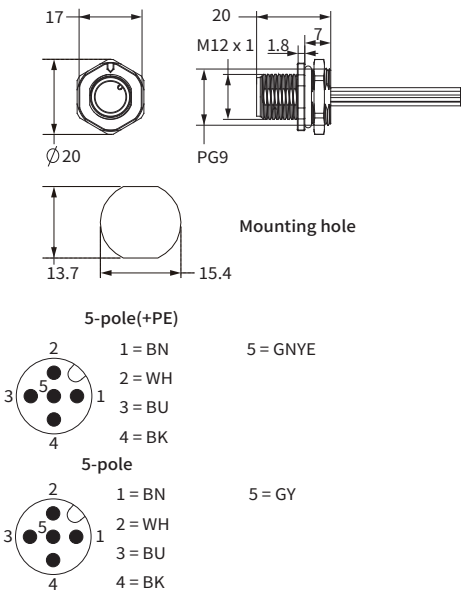
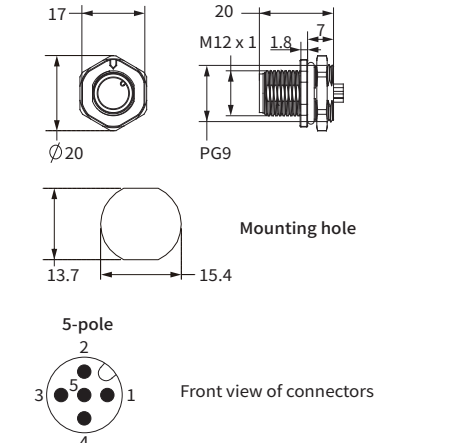
Fastening M16x1.5 is optional.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 4	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 250	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 4	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 60	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , front mounting, male, individual wires, M12 A-code	3-pole	M12A-M3F-L0.5PG9	11 03 003 3100	
	4-pole	M12A-M4F-L0.5PG9	11 03 004 3100	
Sensor/Actuator Receptacles, front mounting, male, Solder Cup, M12 A-code	3-pole	M12A-MS3F-PG9	11 03 003 3500	
	4-pole	M12A-MS4F-PG9	11 03 004 3500	

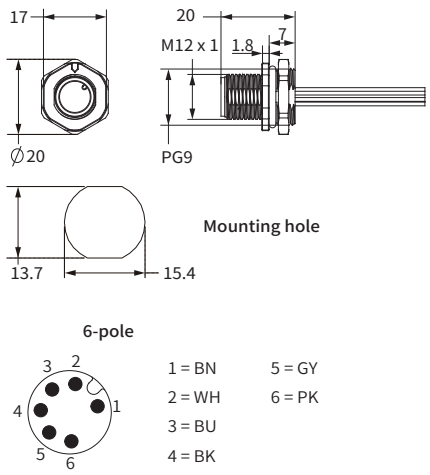
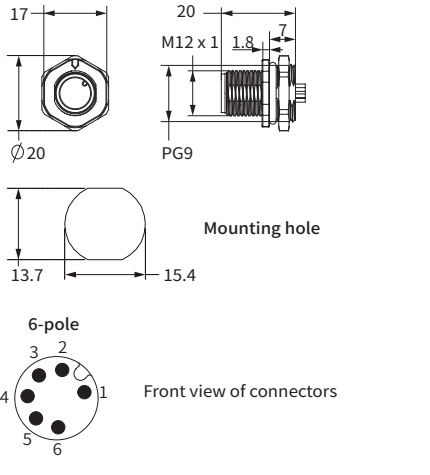
1): Standard cable length is 0.5m, variable cable length is optional; Fastening M16x1.5 is optional.

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , front mounting, male, individual wires, M12 A-code	5-pole(+PE)	M12A-M5F-L0.5PG9-5GNYE	11 03 005 3180	
	5-pole	M12A-M5F-L0.5PG9	11 03 005 3100	
Sensor/Actuator Receptacles, front mounting, male, Solder Cup, M12 A-code	5-pole	M12A-MS5F-PG9	11 03 005 3500	
	5-pole			

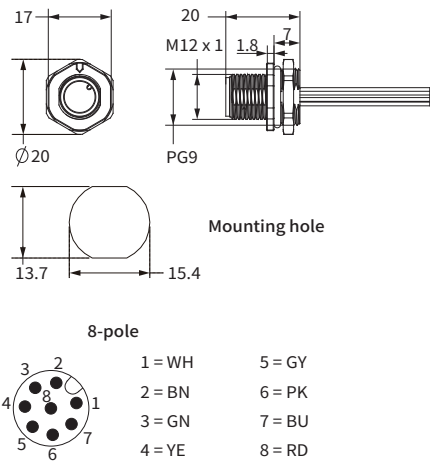
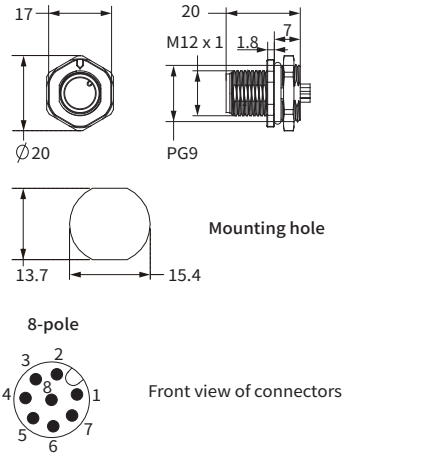
1): Standard cable length is 0.5m, variable cable length is optional; Fastening M16x1.5 is optional.

Technical characteristics			
Connector	M12		Material(seal)
Version	A-code		FPM/FKM
Rated current	[A]	2	Tightening torque
Rated voltage	[V]	30	3 ... 4 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature
Contact resistance	[mΩ]	≤5	-25 ... +85 [°C]
Material(grip body)	Zinc die-cast/Nickel plated		Degree of protection (IP)
Material(contact)	Brass, gold plated		IP67
Material(contact carrier)	Polyamides		Mating cycles
Material(knurl)	Zinc die-cast/Nickel plated		≥100
			Pollution degree
			3
			Standard
			IEC61076-2-101
			RoHS
			compliant

Technical characteristics			
Connector	M12		Material(seal)
Version	A-code		FPM/FKM
Rated current	[A]	2	Tightening torque
Rated voltage	[V]	30	3 ... 4 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature
Contact resistance	[mΩ]	≤5	-25 ... +85 [°C]
Material(grip body)	Zinc die-cast/Nickel plated		Degree of protection (IP)
Material(contact)	Brass, gold plated		IP67
Material(contact carrier)	Polyamides		Mating cycles
Material(knurl)	Zinc die-cast/Nickel plated		≥100
			Pollution degree
			3
			Standard
			IEC61076-2-101
			RoHS
			compliant

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , front mounting, male, individual wires, M12 A-code	6-pole	M12A-M6F-L0.5PG9	11 03 006 3100	
Sensor/Actuator Receptacles, front mounting, male, Solder Cup, M12 A-code	6-pole	M12A-MS6F-PG9	11 03 006 3500	

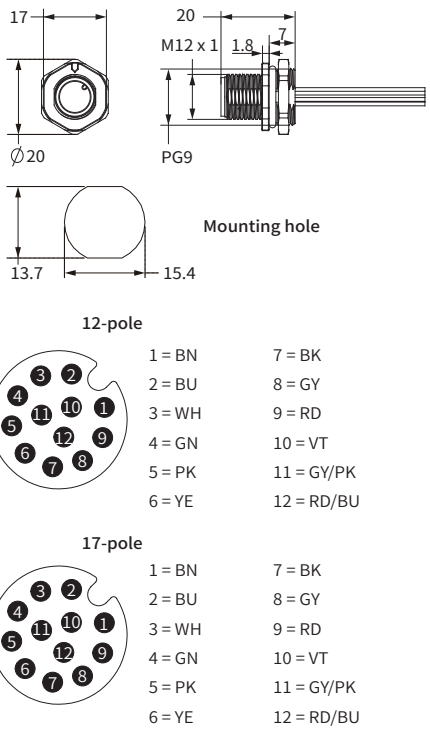
1): Standard cable length is 0.5m, variable cable length is optional; Fastening M16x1.5 is optional.

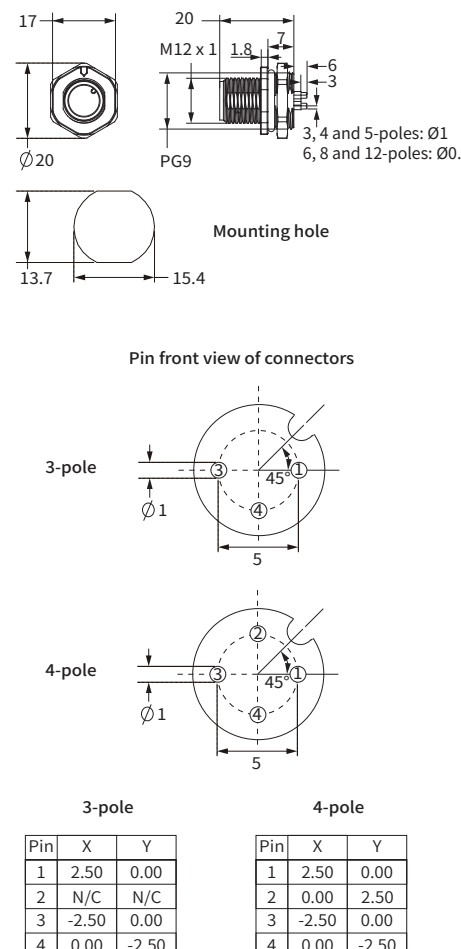
Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , front mounting, male, individual wires, M12 A-code	8-pole	M12A-M8F-L0.5PG9	11 03 008 3100	
Sensor/Actuator Receptacles, front mounting, male, Solder Cup, M12 A-code	8-pole	M12A-MS8F-PG9	11 03 008 3500	

1): Standard cable length is 0.5m, variable cable length is optional; Fastening M16x1.5 is optional.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 1.5	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 30	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 4	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 250	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , front mounting, male, individual wires, M12 A-code	12-pole	M12A-M12F-L0.5PG9	11 03 012 3100	
	17-pole	M12A-M17F-L0.5PG9	11 03 017 3100	

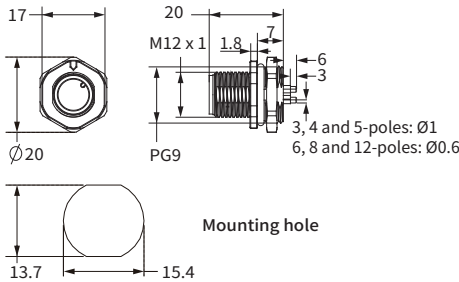
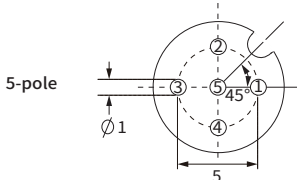
Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, front mounting, male, PCB mounting, M12 A-code	3-pole	M12A-MD3F-PG9	11 03 003 3510	
	4-pole	M12A-MD4F-PG9	11 03 004 3510	

1): Standard cable length is 0.5m, variable cable length is optional; Fastening M16x1.5 is optional.

Fastening M16x1.5 is optional.

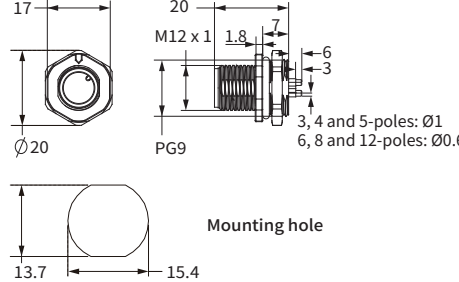
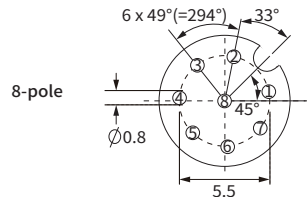
Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 4	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 60	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 2	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 30	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)																		
Sensor/Actuator Receptacles, front mounting, male, PCB mounting, M12 A-code 	5-pole	M12A-MD5F-PG9	11 03 005 3510	 Pin front view of connectors  <table><tr><td>Pin</td><td>X</td><td>Y</td></tr><tr><td>1</td><td>2.50</td><td>0.00</td></tr><tr><td>2</td><td>0.00</td><td>2.50</td></tr><tr><td>3</td><td>-2.50</td><td>0.00</td></tr><tr><td>4</td><td>0.00</td><td>-2.50</td></tr><tr><td>5</td><td>0.00</td><td>0.00</td></tr></table>	Pin	X	Y	1	2.50	0.00	2	0.00	2.50	3	-2.50	0.00	4	0.00	-2.50	5	0.00	0.00
Pin	X	Y																				
1	2.50	0.00																				
2	0.00	2.50																				
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Fastening M16x1.5 is optional.

Fastening M16x1.5 is optional.

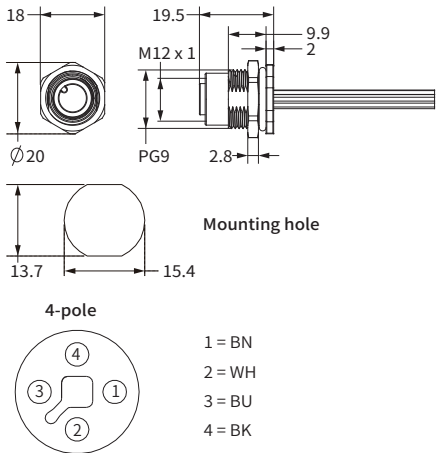
Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)																											
Sensor/Actuator Receptacles, front mounting, male, PCB mounting, M12 A-code 	8-pole	M12A-MD8F-PG9	11 03 008 3510	 Pin front view of connectors  8-pole <table><tr><td>Pin</td><td>X</td><td>Y</td></tr><tr><td>1</td><td>2.69</td><td>0.57</td></tr><tr><td>2</td><td>0.57</td><td>2.69</td></tr><tr><td>3</td><td>-1.66</td><td>2.20</td></tr><tr><td>4</td><td>-2.75</td><td>0.19</td></tr><tr><td>5</td><td>-1.94</td><td>-1.94</td></tr><tr><td>6</td><td>0.19</td><td>-2.75</td></tr><tr><td>7</td><td>2.20</td><td>-1.66</td></tr><tr><td>8</td><td>0.00</td><td>0.00</td></tr></table>	Pin	X	Y	1	2.69	0.57	2	0.57	2.69	3	-1.66	2.20	4	-2.75	0.19	5	-1.94	-1.94	6	0.19	-2.75	7	2.20	-1.66	8	0.00	0.00
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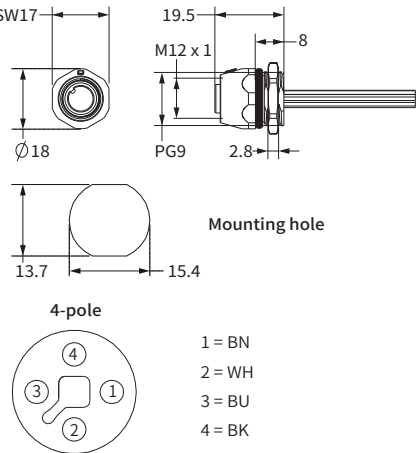
Fastening M16x1.5 is optional.

Fastening M16x1.5 is optional.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	T-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 12	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 63VDC	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

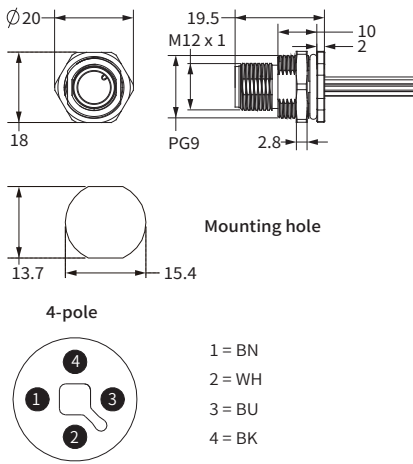
Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	T-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 12	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 63VDC	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , rear mounting, female, individual wires, M12 T-code 	4-pole	M12T-F4R-L0.5M16	11 09 004 2200	
1): Standard cable length is 0.5m, variable cable length is optional.				

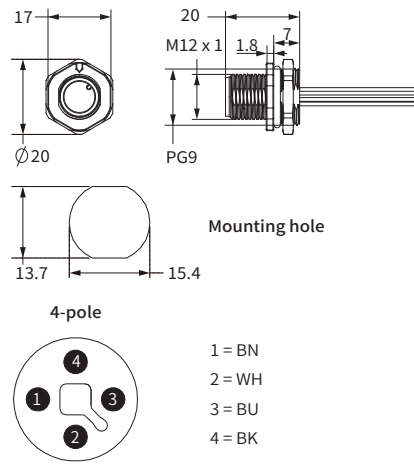
Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , front mounting, female, individual wires, M12 T-code 	4-pole	M12T-F4F-L0.5M16	11 09 004 3200	
1): Standard cable length is 0.5m, variable cable length is optional.				

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	T-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 12	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 63VDC	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	T-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 12	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 63VDC	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , rear mounting, male, individual wires, M12 T-code 	4-pole	M12T-M4R-L0.5M16	11 09 004 2100	

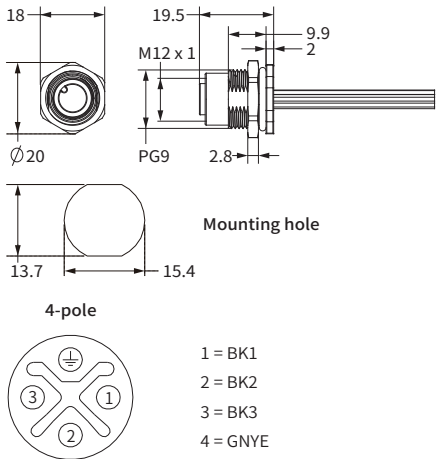
1): Standard cable length is 0.5m, variable cable length is optional.

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , front mounting, male, individual wires, M12 T-code 	4-pole	M12T-M4F-L0.5M16	11 09 004 3100	

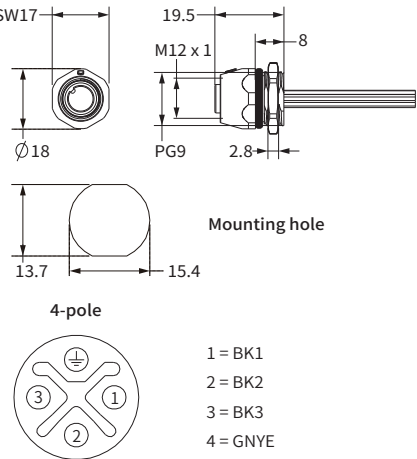
1): Standard cable length is 0.5m, variable cable length is optional.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	S-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 12	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 630VAC	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	S-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 12	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 630VAC	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , rear mounting, female, individual wires, M12 S-code 	4-pole	M12S-F4R-L0.5M16	11 15 004 2200	

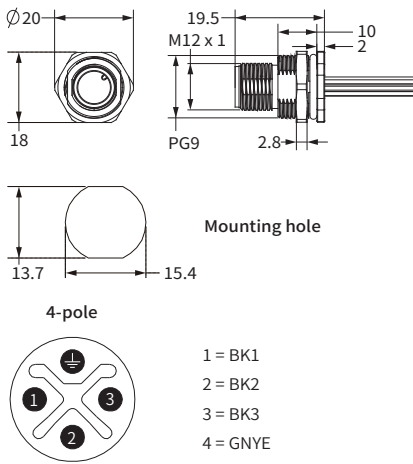
1): Standard cable length is 0.5m, variable cable length is optional.

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , front mounting, female, individual wires, M12 S-code 	4-pole	M12S-F4F-L0.5M16	11 15 004 3200	

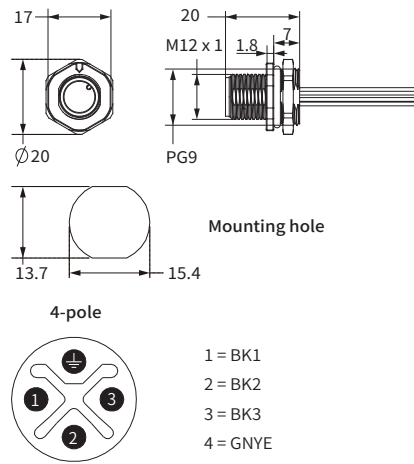
1): Standard cable length is 0.5m, variable cable length is optional.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	S-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 12	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 630VAC	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	S-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 12	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 630VAC	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , rear mounting, male, individual wires, M12 S-code 	4-pole	M12S-M4R-L0.5M16	11 15 004 2100	

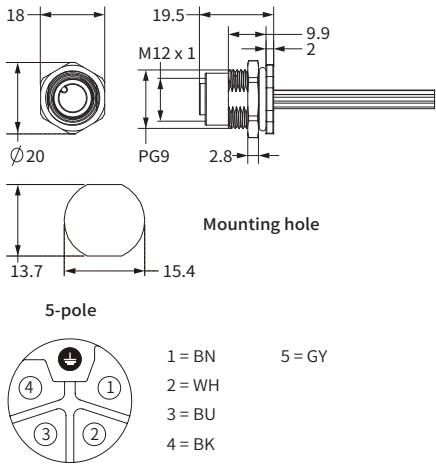
1): Standard cable length is 0.5m, variable cable length is optional.

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , front mounting, male, individual wires, M12 S-code 	4-pole	M12S-M4F-L0.5M16	11 15 004 3100	

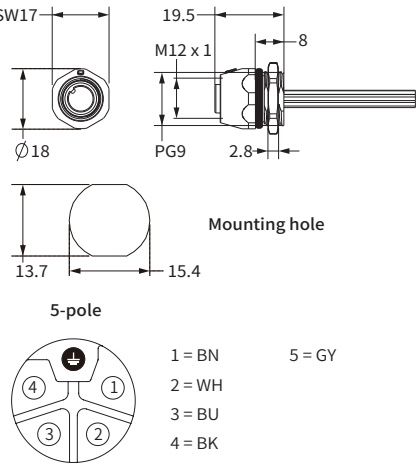
1): Standard cable length is 0.5m, variable cable length is optional.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	L-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 16	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 63VDC	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	L-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 16	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 63VDC	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , rear mounting, female, individual wires, M12 L-code 	5-pole	M12L-F5R-L0.5M16	11 16 005 2200	

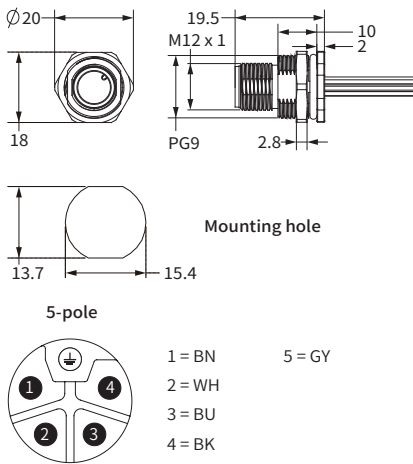
1): Standard cable length is 0.5m, variable cable length is optional.

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , front mounting, female, individual wires, M12 L-code 	5-pole	M12L-F5F-L0.5M16	11 16 005 3200	

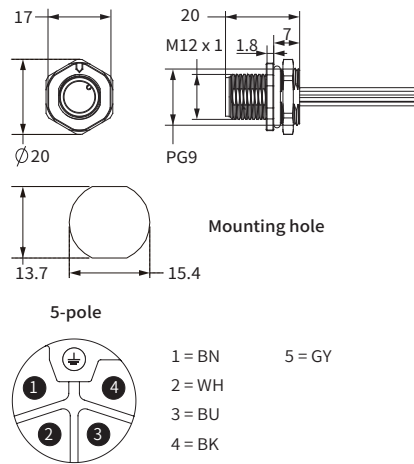
1): Standard cable length is 0.5m, variable cable length is optional.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	L-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 16	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 63VDC	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	L-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 16	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 63VDC	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , rear mounting, male, individual wires, M12 L-code 	5-pole	M12L-M5R-L0.5M16	11 16 005 2100	

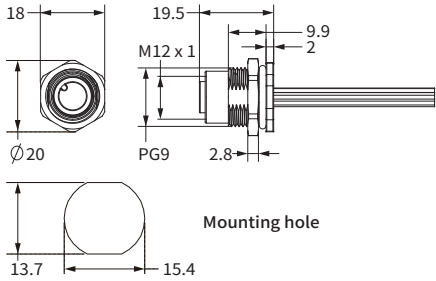
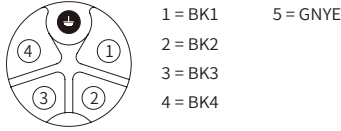
1): Standard cable length is 0.5m, variable cable length is optional.

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , front mounting, male, individual wires, M12 L-code 	5-pole	M12L-M5F-L0.5M16	11 16 005 3100	

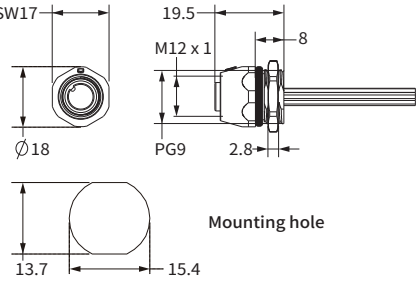
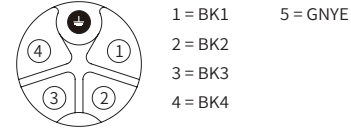
1): Standard cable length is 0.5m, variable cable length is optional.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	K-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 16	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 630VAC	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	K-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 16	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 630VAC	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , rear mounting, female, individual wires, M12 K-code 	5-pole	M12K-F5R-L0.5M16	11 17 005 2200	 

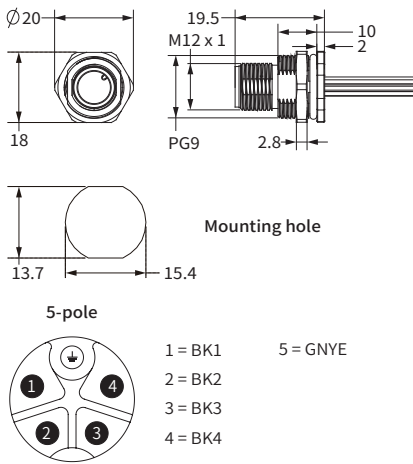
1): Standard cable length is 0.5m, variable cable length is optional.

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , front mounting, female, individual wires, M12 K-code 	5-pole	M12K-F5F-L0.5M16	11 17 005 3200	 

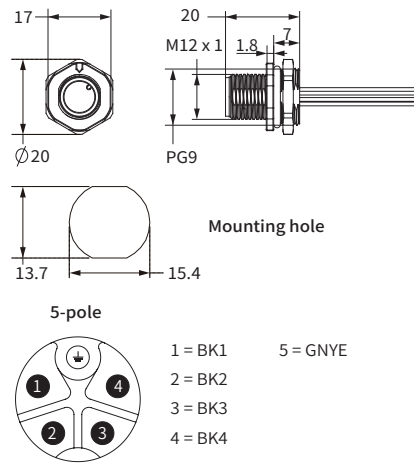
1): Standard cable length is 0.5m, variable cable length is optional.

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	K-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 16	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 630VAC	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	K-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 16	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 630VAC	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	Polyamides		
Material(knurl)	Zinc die-cast/Nickel plated		

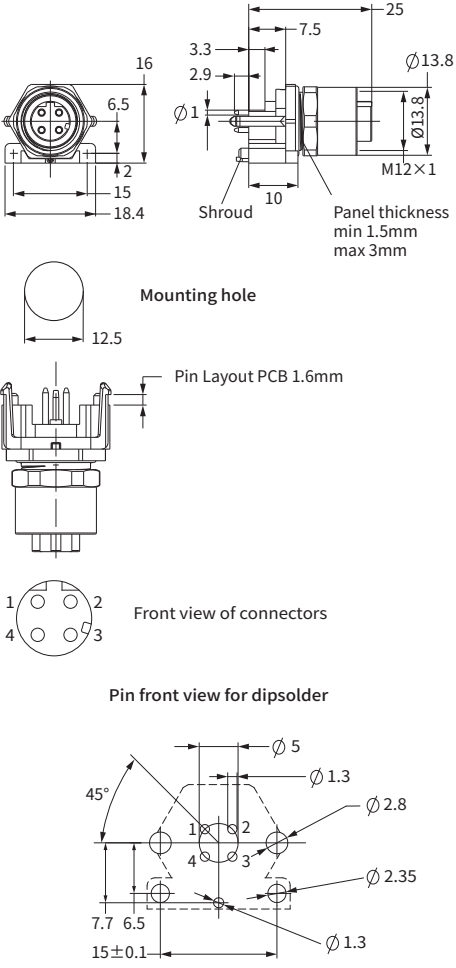
Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , rear mounting, male, individual wires, M12 K-code 	5-pole	M12K-M5R-L0.5M16	11 17 005 2100	

1): Standard cable length is 0.5m, variable cable length is optional.

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends ¹⁾ , front mounting, male, individual wires, M12 K-code 	5-pole	M12K-M5F-L0.5M16	11 17 005 3100	

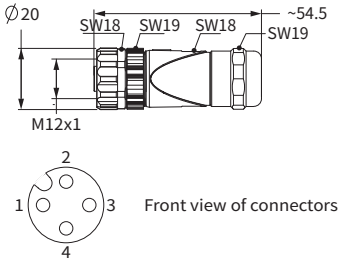
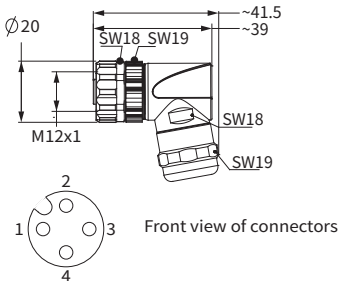
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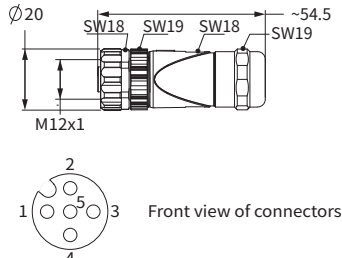
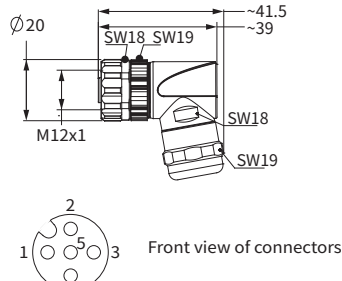
Technical characteristics				
Connector		M12	Material(seal)	FPM/FKM
Version		D-code	Limiting temperature	[-25 ... +85
Rated current	[A]	4	Degree of protection (IP)	IP67
Rated voltage	[V]	250	Mating cycles	≥100
Insulation resistance	[Ω]	≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ]	≤5	Standard	IEC61076-2-101
Material(grip body)		Zinc die-cast/Nickel plated	RoHS	compliant
Material(contact)		Brass, gold plated		
Material(contact carrier)		Nylon-black		
Material(knurl)		Zinc die-cast/Nickel plated		

Identification	No. of poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, rear mounting, female, PCB mounting, M12 D-code 	4 pole	M12D-FD4R-TM12	11 05 004 2600	

Technical characteristics			
Connector	M12	Material(knurl)	Zinc die-cast/Nickel plated
Version	A-code	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	[-25 ... +85
Rated current	[A] 4	Degree of protection (IP)	IP67
Rated voltage	[V] 250	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	Standard	IEC61076-2-101
Material(grip body)	Nylon-black	RoHS	compliant
Material(contact)	Brass, silver plated		
Material(contact carrier)	Nylon-black		

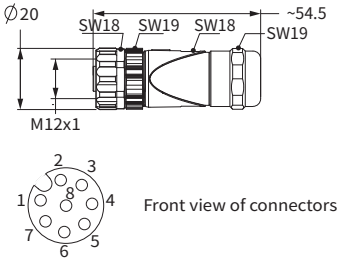
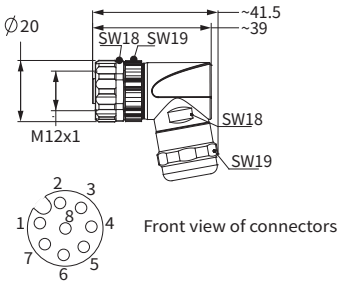
Technical characteristics			
Connector	M12	Material(knurl)	Zinc die-cast/Nickel plated
Version	A-code	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	[-25 ... +85
Rated current	[A] 4	Degree of protection (IP)	IP67
Rated voltage	[V] 60	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	Standard	IEC61076-2-101
Material(grip body)	Nylon-black	RoHS	compliant
Material(contact)	Brass, silver plated		
Material(contact carrier)	Nylon-black		

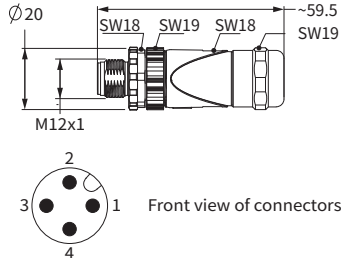
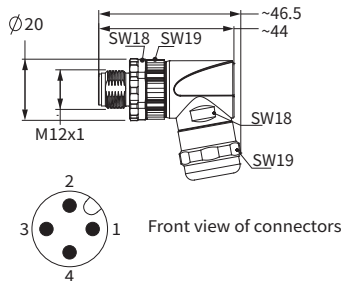
Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
4-pole, straight, female, M12 A-code, cable diameter: 4 ... 6 mm (black sealing) 6 ... 8 mm(grey sealing)	without terminal 0.25 ... 0.75 mm ² with terminal 0.14 ... 0.75 mm ²	M12A-F4S-D8	11 03 004 1290	
4-pole, angled, female, M12 A-code, cable diameter: 4 ... 6 mm (black sealing) 6 ... 8 mm(grey sealing)	without terminal 0.25 ... 0.75 mm ² with terminal 0.14 ... 0.75 mm ²	M12A-F4A-D8	11 03 004 0290	

Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
5-pole, straight, female, M12 A-code, cable diameter: 4 ... 6 mm (black sealing) 6 ... 8 mm(grey sealing)	without terminal 0.25 ... 0.75 mm ² with terminal 0.14 ... 0.75 mm ²	M12A-F5S-D8	11 03 005 1290	
5-pole, angled, female, M12 A-code, cable diameter: 4 ... 6 mm (black sealing) 6 ... 8 mm(grey sealing)	without terminal 0.25 ... 0.75 mm ² with terminal 0.14 ... 0.75 mm ²	M12A-F5A-D8	11 03 005 0290	

Technical characteristics			
Connector	M12	Material(knurl)	Zinc die-cast/Nickel plated
Version	A-code	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	[-25 ... +85
Rated current	[A] 2	Degree of protection (IP)	IP67
Rated voltage	[V] 30	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	Standard	IEC61076-2-101
Material(grip body)	Nylon-black	RoHS	compliant
Material(contact)	Brass, silver plated		
Material(contact carrier)	Nylon-black		

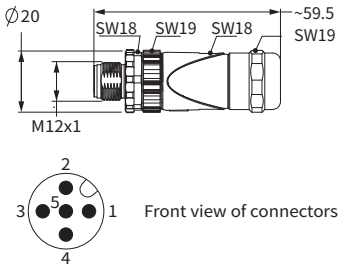
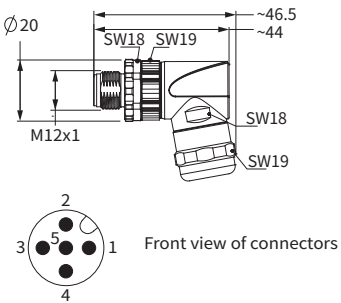
Technical characteristics			
Connector	M12	Material(knurl)	Zinc die-cast/Nickel plated
Version	A-code	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	[-25 ... +85
Rated current	[A] 4	Degree of protection (IP)	IP67
Rated voltage	[V] 250	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	Standard	IEC61076-2-101
Material(grip body)	Nylon-black	RoHS	compliant
Material(contact)	Brass, silver plated		
Material(contact carrier)	Nylon-black		

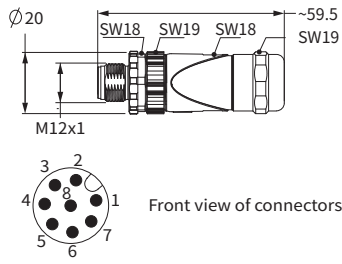
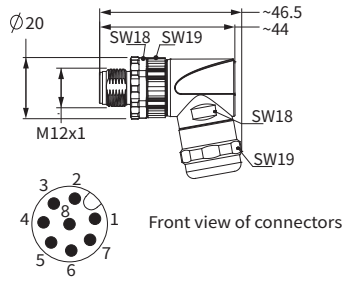
Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
8-pole, straight, female, M12 A-code, cable diameter: 4 ... 6 mm (black sealing) 6 ... 8 mm(grey sealing)	without terminal 0.25 ... 0.5 mm ² with terminal 0.14 ... 0.5 mm ²	M12A-F8S-D8	11 03 008 1290	
8-pole, angled, female, M12 A-code, cable diameter: 4 ... 6 mm (black sealing) 6 ... 8 mm(grey sealing)	without terminal 0.25 ... 0.5 mm ² with terminal 0.14 ... 0.5 mm ²	M12A-F8A-D8	11 03 008 0290	

Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
4-pole, straight, male, M12 A-code, cable diameter: 4 ... 6 mm (black sealing) 6 ... 8 mm(grey sealing)	without terminal 0.25 ... 0.75 mm ² with terminal 0.14 ... 0.75 mm ²	M12A-M4S-D8	11 03 004 1190	
4-pole, angled, male, M12 A-code, cable diameter: 4 ... 6 mm (black sealing) 6 ... 8 mm(grey sealing)	without terminal 0.25 ... 0.75 mm ² with terminal 0.14 ... 0.75 mm ²	M12A-M4A-D8	11 03 004 0190	

Technical characteristics			
Connector	M12	Material(knurl)	Zinc die-cast/Nickel plated
Version	A-code	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	[-25 ... +85
Rated current	[A] 4	Degree of protection (IP)	IP67
Rated voltage	[V] 60	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	Standard	IEC61076-2-101
Material(grip body)	Nylon-black	RoHS	compliant
Material(contact)	Brass, silver plated		
Material(contact carrier)	Nylon-black		

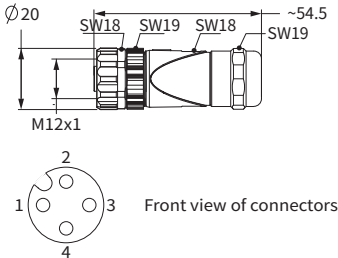
Technical characteristics			
Connector	M12	Material(knurl)	Zinc die-cast/Nickel plated
Version	A-code	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	[-25 ... +85
Rated current	[A] 2	Degree of protection (IP)	IP67
Rated voltage	[V] 30	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	Standard	IEC61076-2-101
Material(grip body)	Nylon-black	RoHS	compliant
Material(contact)	Brass, silver plated		
Material(contact carrier)	Nylon-black		

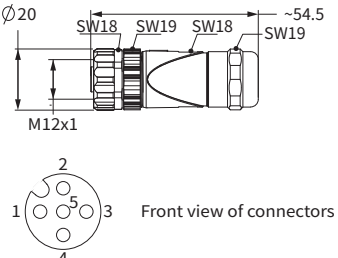
Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
5-pole, straight, male, M12 A-code, cable diameter: 4 ... 6 mm (black sealing) 6 ... 8 mm(grey sealing)	without terminal 0.25 ... 0.75 mm ² with terminal 0.14 ... 0.75 mm ²	M12A-M5S-D8	11 03 005 1190	
5-pole, angled, male, M12 A-code, cable diameter: 4 ... 6 mm (black sealing) 6 ... 8 mm(grey sealing)	without terminal 0.25 ... 0.75 mm ² with terminal 0.14 ... 0.75 mm ²	M12A-M5A-D8	11 03 005 0190	

Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
8-pole, straight, male, M12 A-code, cable diameter: 4 ... 6 mm (black sealing) 6 ... 8 mm(grey sealing)	without terminal 0.25 ... 0.5 mm ² with terminal 0.14 ... 0.5 mm ²	M12A-M8S-D8	11 03 008 1190	
8-pole, angled, male, M12 A-code, cable diameter: 4 ... 6 mm (black sealing) 6 ... 8 mm(grey sealing)	without terminal 0.25 ... 0.5 mm ² with terminal 0.14 ... 0.5 mm ²	M12A-M8A-D8	11 03 008 0190	

Technical characteristics			
Connector	M12	Material(knurl)	Zinc die-cast/Nickel plated
Version	A-code	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	[-25 ... +85
Rated current	[A] 4	Degree of protection (IP)	IP67
Rated voltage	[V] 250	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	Standard	IEC61076-2-101
Material(grip body)	Nylon-black	RoHS	compliant
Material(contact)	Brass, silver plated		
Material(contact carrier)	Nylon-black		

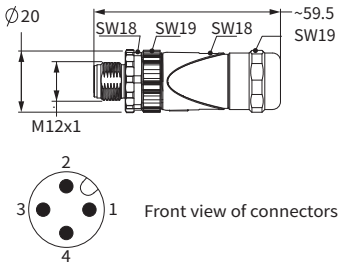
Technical characteristics			
Connector	M12	Material(knurl)	Zinc die-cast/Nickel plated
Version	A-code	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	[-25 ... +85
Rated current	[A] 4	Degree of protection (IP)	IP67
Rated voltage	[V] 60	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	Standard	IEC61076-2-101
Material(grip body)	Nylon-black	RoHS	compliant
Material(contact)	Brass, silver plated		
Material(contact carrier)	Nylon-black		

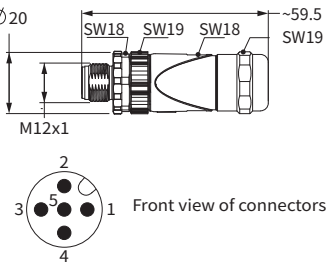
Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
4-pole, straight, female, M12 A-code, cable diameter: 2 x (3 ... 5 mm) 	without terminal 0.25 ... 0.75 mm ² with terminal 0.14 ... 0.75 mm ²	M12A-F4S-D10/2C	11 03 004 1291	 Front view of connectors

Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
5-pole, straight, female, M12 A-code, cable diameter: 2 x (3 ... 5 mm) 	without terminal 0.25 ... 0.75 mm ² with terminal 0.14 ... 0.75 mm ²	M12A-F5S-D10/2C	11 03 005 1291	 Front view of connectors

Technical characteristics			
Connector	M12	Material(knurl)	Zinc die-cast/Nickel plated
Version	A-code	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	-25 ... +85
Rated current	[A] 4	Degree of protection (IP)	IP67
Rated voltage	[V] 250	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	Standard	IEC61076-2-101
Material(grip body)	Nylon-black	RoHS	compliant
Material(contact)	Brass, silver plated		
Material(contact carrier)	Nylon-black		

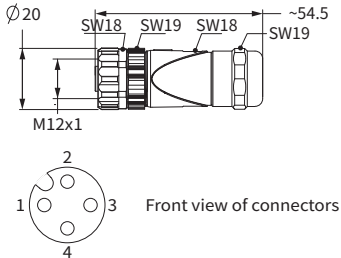
Technical characteristics			
Connector	M12	Material(knurl)	Zinc die-cast/Nickel plated
Version	A-code	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	-25 ... +85
Rated current	[A] 4	Degree of protection (IP)	IP67
Rated voltage	[V] 60	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	Standard	IEC61076-2-101
Material(grip body)	Nylon-black	RoHS	compliant
Material(contact)	Brass, silver plated		
Material(contact carrier)	Nylon-black		

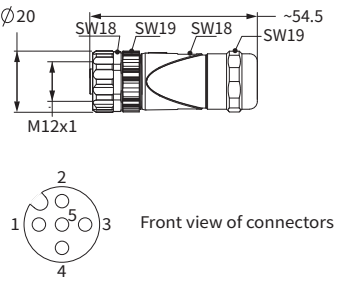
Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
4-pole, straight, male, M12 A-code, cable diameter: 2 x (3 ... 5 mm) 	without terminal 0.25 ... 0.75 mm ² with terminal 0.14 ... 0.75 mm ²	M12A-M4S-D10/2C	11 03 004 1191	

Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
5-pole, straight, male, M12 A-code, cable diameter: 2 x (3 ... 5 mm) 	without terminal 0.25 ... 0.5 mm ² with terminal 0.14 ... 0.5 mm ²	M12A-M5S-D10/2C	11 03 005 1191	

Technical characteristics			
Connector	M12	Material(knurl)	Zinc die-cast/Nickel plated
Version	A-code	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	[-25 ... +85 °C]
Rated current	[A] 4	Degree of protection (IP)	IP67
Rated voltage	[V] 250	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	Standard	IEC61076-2-101
Material(grip body)	Zinc die-cast/Nickel plated	RoHS	compliant
Material(contact)	Brass, gold plated		
Material(contact carrier)	Nylon-black		

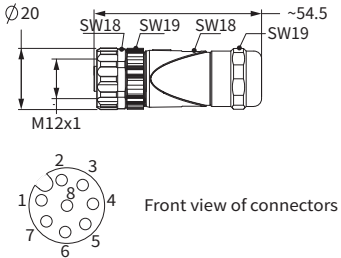
Technical characteristics			
Connector	M12	Material(knurl)	Zinc die-cast/Nickel plated
Version	A-code	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	[-25 ... +85 °C]
Rated current	[A] 4	Degree of protection (IP)	IP67
Rated voltage	[V] 60	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	Standard	IEC61076-2-101
Material(grip body)	Zinc die-cast/Nickel plated	RoHS	compliant
Material(contact)	Brass, gold plated		
Material(contact carrier)	Nylon-black		

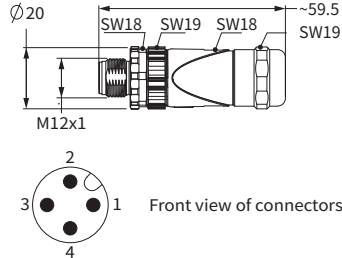
Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
4-pole, straight, female, M12 A-code, cable diameter: 4 ... 6 mm (black sealing) 6 ... 8 mm (grey sealing) 	without terminal 0.25 ... 0.75 mm² with terminal 0.14 ... 0.75 mm²	M12A-SF4S-D8	11 03 104 1290	

Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
5-pole, straight, female, M12 A-code, cable diameter: 4 ... 6 mm (black sealing) 6 ... 8 mm (grey sealing) 	without terminal 0.25 ... 0.75 mm² with terminal 0.14 ... 0.75 mm²	M12A-SF5S-D8	11 03 105 1290	

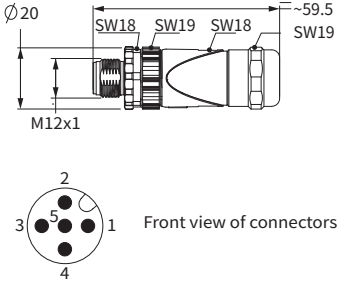
Technical characteristics			
Connector	M12	Material(knurl)	Zinc die-cast/Nickel plated
Version	A-code	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	-25 ... +85
Rated current	[A] 2	Degree of protection (IP)	IP67
Rated voltage	[V] 60	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	Standard	IEC61076-2-101
Material(grip body)	Zinc die-cast/Nickel plated	RoHS	compliant
Material(contact)	Brass, gold plated		
Material(contact carrier)	Nylon-black		

Technical characteristics			
Connector	M12	Material(knurl)	Zinc die-cast/Nickel plated
Version	A-code	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	-25 ... +85
Rated current	[A] 4	Degree of protection (IP)	IP67
Rated voltage	[V] 250	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	Standard	IEC61076-2-101
Material(grip body)	Zinc die-cast/Nickel plated	RoHS	compliant
Material(contact)	Brass, gold plated		
Material(contact carrier)	Nylon-black		

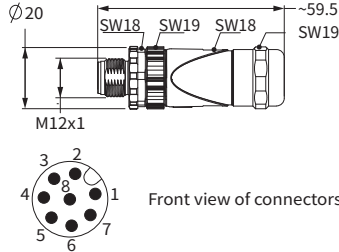
Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
8-pole, straight, female, M12 A-code, cable diameter: 4 ... 6 mm (black sealing) 6 ... 8 mm(grey sealing)	without terminal 0.25 ... 0.5 mm ² with terminal 0.14 ... 0.5 mm ²	M12A-SF8S-D8	11 03 108 1290	

Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
4-pole, straight, male, M12 A-code, cable diameter: 4 ... 6 mm (black sealing) 6 ... 8 mm(grey sealing)	without terminal 0.25 ... 0.75 mm ² with terminal 0.14 ... 0.75 mm ²	M12A-SM4S-D8	11 03 104 1190	

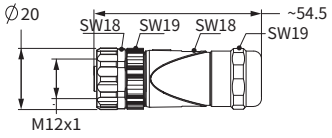
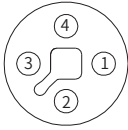
Technical characteristics			
Connector	M12	Material(knurl)	Zinc die-cast/Nickel plated
Version	A-code	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	[-25 ... +85 °C]
Rated current	[A] 4	Degree of protection (IP)	IP67
Rated voltage	[V] 60	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	Standard	IEC61076-2-101
Material(grip body)	Zinc die-cast/Nickel plated	RoHS	compliant
Material(contact)	Brass, gold plated		
Material(contact carrier)	Nylon-black		

Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
5-pole, straight, male, M12 A-code, cable diameter: 4 ... 6 mm (black sealing) 6 ... 8 mm (grey sealing)	without terminal 0.25 ... 0.75 mm ² with terminal 0.14 ... 0.75 mm ²	M12A-SM5S-D8	11 03 105 1190	

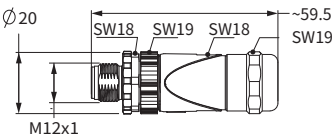
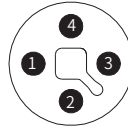
Technical characteristics			
Connector	M12	Material(knurl)	Zinc die-cast/Nickel plated
Version	A-code	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	[-25 ... +85 °C]
Rated current	[A] 2	Degree of protection (IP)	IP67
Rated voltage	[V] 30	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	Standard	IEC61076-2-101
Material(grip body)	Zinc die-cast/Nickel plated	RoHS	compliant
Material(contact)	Brass, gold plated		
Material(contact carrier)	Nylon-black		

Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
8-pole, straight, male, M12 A-code, cable diameter: 4 ... 6 mm (black sealing) 6 ... 8 mm (grey sealing)	without terminal 0.25 ... 0.5 mm ² with terminal 0.14 ... 0.5 mm ²	M12A-SM8S-D8	11 03 108 1190	

Technical characteristics			
Connector	M12	Material(knurl)	Zinc die-cast/Nickel plated
Version	T-code	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	-25 ... +85
Rated current	[A] 12	Degree of protection (IP)	IP67
Rated voltage	[V] 63VDC	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	Standard	IEC61076-2-101
Material(grip body)	Nylon-black	RoHS	compliant
Material(contact)	Brass, silver plated		
Material(contact carrier)	Nylon-black		

Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
4-pole, straight, female, M12 T-code, cable diameter: 8 ... 10 mm (black sealing) 	without terminal 0.25 ... 1.5 mm ² with terminal 0.14 ... 1.5 mm ²	M12T-F4S-D10	11 09 004 1290	  Front view of connectors

Technical characteristics			
Connector	M12	Material(knurl)	Zinc die-cast/Nickel plated
Version	T-code	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	-25 ... +85
Rated current	[A] 12	Degree of protection (IP)	IP67
Rated voltage	[V] 63VDC	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	Standard	IEC61076-2-101
Material(grip body)	Nylon-black	RoHS	compliant
Material(contact)	Brass, silver plated		
Material(contact carrier)	Nylon-black		

Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
4-pole, straight, male, M12 T-code, cable diameter: 8 ... 10 mm (black sealing) 	without terminal 0.25 ... 1.5 mm ² with terminal 0.14 ... 1.5 mm ²	M12T-M4S-D10	11 09 004 1190	  Front view of connectors

Technical characteristics			
Connector	M12	Material(knurl)	Zinc die-cast/Nickel plated
Version	S-code	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	-25 ... +85
Rated current	[A] 12	Degree of protection (IP)	IP67
Rated voltage	[V] 630VAC	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	Standard	IEC61076-2-101
Material(grip body)	Nylon-black	RoHS	compliant
Material(contact)	Brass, silver plated		
Material(contact carrier)	Nylon-black		

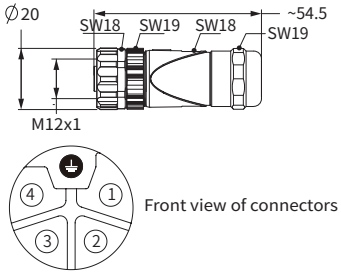
Technical characteristics			
Connector	M12	Material(knurl)	Zinc die-cast/Nickel plated
Version	S-code	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	-25 ... +85
Rated current	[A] 12	Degree of protection (IP)	IP67
Rated voltage	[V] 630VAC	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	Standard	IEC61076-2-101
Material(grip body)	Nylon-black	RoHS	compliant
Material(contact)	Brass, silver plated		
Material(contact carrier)	Nylon-black		

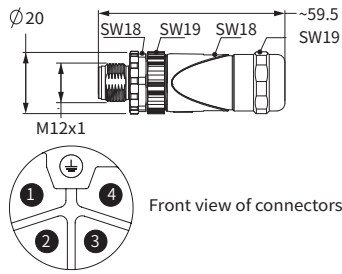
Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
4-pole(+PE), straight, female, M12 S-code, cable diameter: 8 ... 10 mm(black sealing)	without terminal 0.25 ... 1.5 mm ² with terminal 0.14 ... 1.5 mm ²	M12S-F4S-D10	11 15 004 1290	Front view of connectors

Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
4-pole(+PE), straight, male, M12 S-code, cable diameter: 8 ... 10 mm(black sealing)	without terminal 0.25 ... 1.5 mm ² with terminal 0.14 ... 1.5 mm ²	M12S-M4S-D10	11 15 004 1190	Front view of connectors

Technical characteristics			
Connector	M12	Material(knurl)	Zinc die-cast/Nickel plated
Version	L-code	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	-25 ... +85
Rated current	[A] 16	Degree of protection (IP)	IP67
Rated voltage	[V] 63VDC	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	Standard	IEC61076-2-101
Material(grip body)	Nylon-black	RoHS	compliant
Material(contact)	Brass, silver plated		
Material(contact carrier)	Nylon-black		

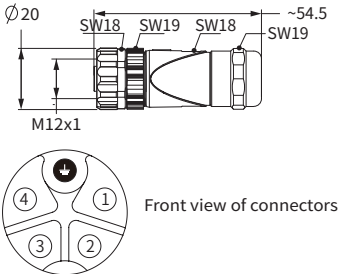
Technical characteristics			
Connector	M12	Material(knurl)	Zinc die-cast/Nickel plated
Version	L-code	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	-25 ... +85
Rated current	[A] 16	Degree of protection (IP)	IP67
Rated voltage	[V] 63VDC	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	Standard	IEC61076-2-101
Material(grip body)	Nylon-black	RoHS	compliant
Material(contact)	Brass, silver plated		
Material(contact carrier)	Nylon-black		

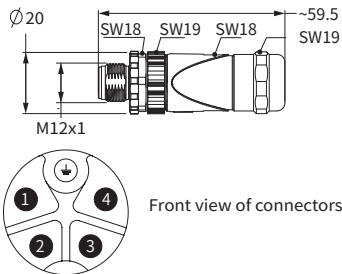
Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
5-pole(+PE), straight, female, M12 L-code, cable diameter: 8 ... 10 mm(black sealing)	without terminal 0.25 ... 2.5 mm ² with terminal 0.14 ... 2.5 mm ²	M12L-F5S-D10	11 16 005 1290	

Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
5-pole(+PE), straight, male, M12 L-code, cable diameter: 8 ... 10 mm(black sealing)	without terminal 0.25 ... 2.5 mm ² with terminal 0.14 ... 2.5 mm ²	M12L-M5S-D10	11 16 005 1190	

Technical characteristics			
Connector	M12	Material(knurl)	Zinc die-cast/Nickel plated
Version	K-code	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	-25 ... +85
Rated current	[A] 16	Degree of protection (IP)	IP67
Rated voltage	[V] 630VAC	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	Standard	IEC61076-2-101
Material(grip body)	Nylon-black	RoHS	compliant
Material(contact)	Brass, silver plated		
Material(contact carrier)	Nylon-black		

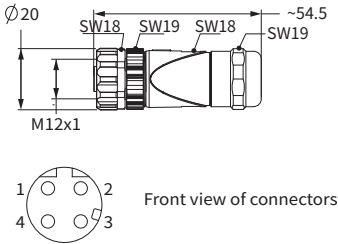
Technical characteristics			
Connector	M12	Material(knurl)	Zinc die-cast/Nickel plated
Version	K-code	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	-25 ... +85
Rated current	[A] 16	Degree of protection (IP)	IP67
Rated voltage	[V] 630VAC	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	Standard	IEC61076-2-101
Material(grip body)	Nylon-black	RoHS	compliant
Material(contact)	Brass, silver plated		
Material(contact carrier)	Nylon-black		

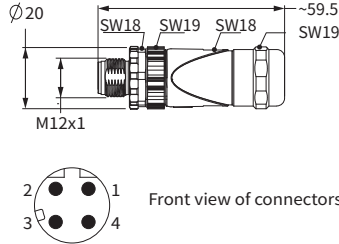
Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
5-pole(+PE), straight, female, M12 K-code, cable diameter: 8 ... 10 mm(black sealing)	without terminal 0.25 ... 2.5 mm ² with terminal 0.14 ... 2.5 mm ²	M12K-F5S-D10	11 17 005 1290	

Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
5-pole(+PE), straight, male, M12 K-code, cable diameter: 8 ... 10 mm(black sealing)	without terminal 0.25 ... 2.5 mm ² with terminal 0.14 ... 2.5 mm ²	M12K-M5S-D10	11 17 005 1190	

Technical characteristics			
Connector	M12	Material(knurl)	Zinc die-cast/Nickel plated
Version	D-code	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	-25 ... +85
Rated current	[A] 4	Degree of protection (IP)	IP67
Rated voltage	[V] 250	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	Standard	IEC61076-2-101
Material(grip body)	Zinc die-cast/Nickel plated	RoHS	compliant
Material(contact)	Brass, gold plated		
Material(contact carrier)	Nylon-black		

Technical characteristics			
Connector	M12	Material(knurl)	Zinc die-cast/Nickel plated
Version	D-code	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	-25 ... +85
Rated current	[A] 4	Degree of protection (IP)	IP67
Rated voltage	[V] 250	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	Standard	IEC61076-2-101
Material(grip body)	Zinc die-cast/Nickel plated	RoHS	compliant
Material(contact)	Brass, gold plated		
Material(contact carrier)	Nylon-black		

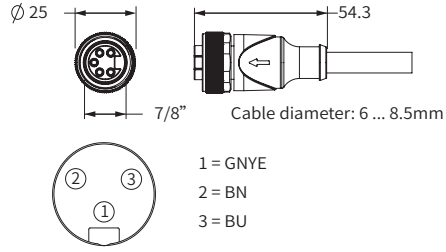
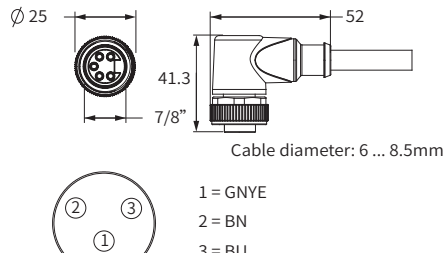
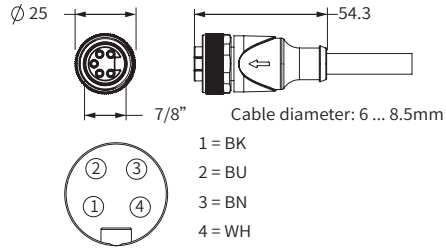
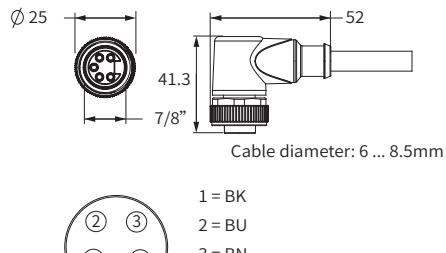
Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
4-pole, straight, female, M12 D-code, cable diameter: 4 ... 6 mm (black sealing) 6 ... 8 mm(grey sealing)	without terminal 0.25 ... 0.75 mm ² with terminal 0.14 ... 0.75 mm ²	M12D-SF4S-D8	11 05 104 1290	

Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
4-pole, straight, male, M12 D-code, cable diameter: 4 ... 6 mm (black sealing) 6 ... 8 mm(grey sealing)	without terminal 0.25 ... 0.75 mm ² with terminal 0.14 ... 0.75 mm ²	M12D-SM4S-D8	11 05 104 1190	

7/8"

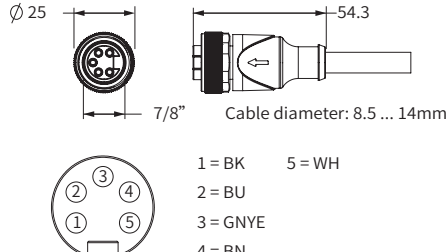
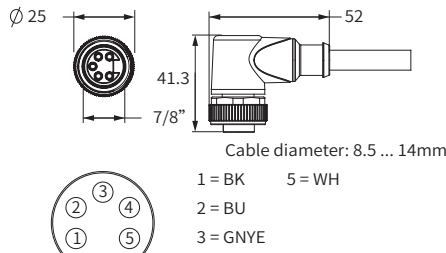
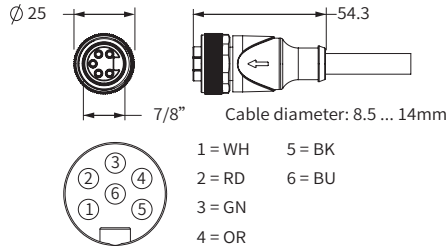
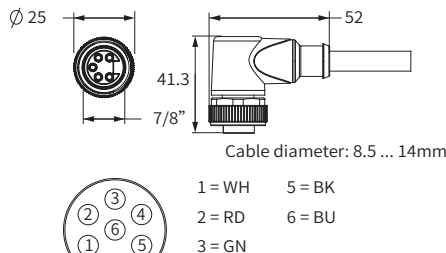
Contents	Pages
7/8"	07-01
Sensor/Actuator Cordsets	07-03
Sensor/Actuator Receptacles	08-01
Field Wireable Connectors	09-01

Technical characteristics			
Connector	7/8"	Cable description	PVC-black
Rated current	[A] 9	Tightening torque	1.5 Nm
Rated voltage	[V] 600	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	TPU-black		
Material(knurl)	Zinc die-cast/Nickel plated		
Material(seal)	FPM/FKM		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
3-pole, straight, female, 7/8", cable type: V 	2 m	7/8-F3S-L2V	11 14 003 1200	 Cable diameter: 6 ... 8.5mm 1 = GNYE 2 = BN 3 = BU
	5 m	7/8-F3S-L5V	11 14 003 1201	
	10 m	7/8-F3S-L10V	11 14 003 1202	
3-pole, angled, female, 7/8", cable type: V 	2 m	7/8-F3A-L2V	11 14 003 0200	 Cable diameter: 6 ... 8.5mm 1 = GNYE 2 = BN 3 = BU
	5 m	7/8-F3A-L5V	11 14 003 0201	
	10 m	7/8-F3A-L10V	11 14 003 0202	
4-pole, straight, female, 7/8", cable type: V 	2 m	7/8-F4S-L2V	11 14 004 1200	 Cable diameter: 6 ... 8.5mm 1 = BK 2 = BU 3 = BN 4 = WH
	5 m	7/8-F4S-L5V	11 14 004 1201	
	10 m	7/8-F4S-L10V	11 14 004 1202	
4-pole, angled, female, 7/8", cable type: V 	2 m	7/8-F4A-L2V	11 14 004 0200	 Cable diameter: 6 ... 8.5mm 1 = BK 2 = BU 3 = BN 4 = WH
	5 m	7/8-F4A-L5V	11 14 004 0201	
	10 m	7/8-F4A-L10V	11 14 004 0202	

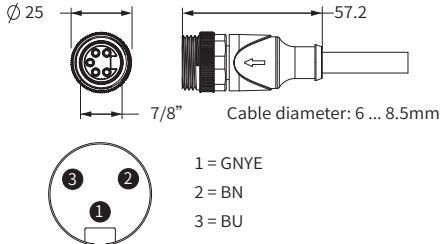
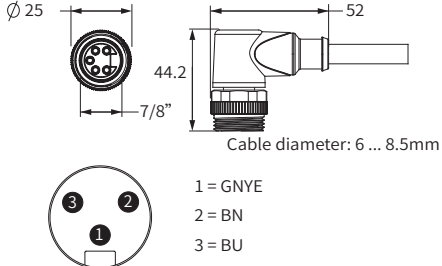
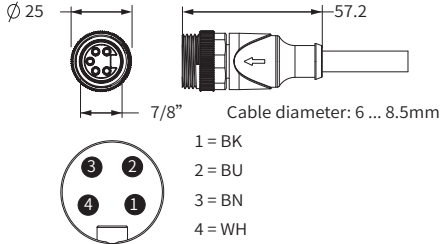
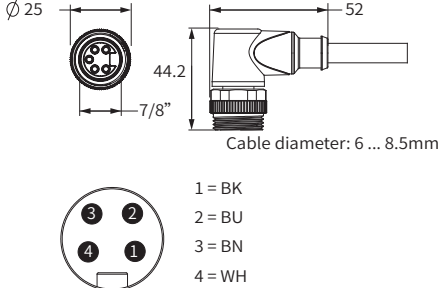
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	7/8"	Cable description	PVC-black
Rated current	[A] 9	Tightening torque	1.5 Nm
Rated voltage	[V] 600	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	TPU-black		
Material(knurl)	Zinc die-cast/Nickel plated		
Material(seal)	FPM/FKM		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
5-pole, straight, female, 7/8", cable type: V 	2 m	7/8-F5S-L2V	11 14 005 1200	 Cable diameter: 8.5 ... 14mm 1 = BK 5 = WH 2 = BU 3 = GNYE 4 = BN
	5 m	7/8-F5S-L5V	11 14 005 1201	
	10 m	7/8-F5S-L10V	11 14 005 1202	
5-pole, angled, female, 7/8", cable type: V 	2 m	7/8-F5A-L2V	11 14 005 0200	 Cable diameter: 8.5 ... 14mm 1 = BK 5 = WH 2 = BU 3 = GNYE 4 = BN
	5 m	7/8-F5A-L5V	11 14 005 0201	
	10 m	7/8-F5A-L10V	11 14 005 0202	
6-pole, straight, female, 7/8", cable type: V 	2 m	7/8-F6S-L2V	11 14 006 1200	 Cable diameter: 8.5 ... 14mm 1 = WH 5 = BK 2 = RD 6 = BU 3 = GN 4 = OR
	5 m	7/8-F6S-L5V	11 14 006 1201	
	10 m	7/8-F6S-L10V	11 14 006 1202	
6-pole, angled, female, 7/8", cable type: V 	2 m	7/8-F6A-L2V	11 14 006 0200	 Cable diameter: 8.5 ... 14mm 1 = WH 5 = BK 2 = RD 6 = BU 3 = GN 4 = OR
	5 m	7/8-F6A-L5V	11 14 006 0201	
	10 m	7/8-F6A-L10V	11 14 006 0202	

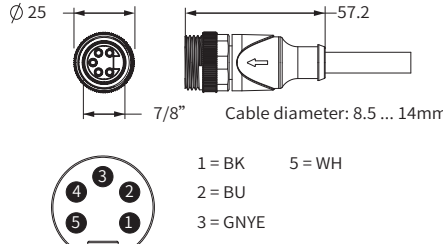
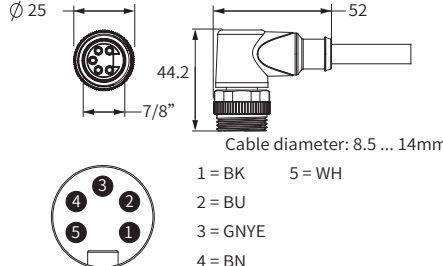
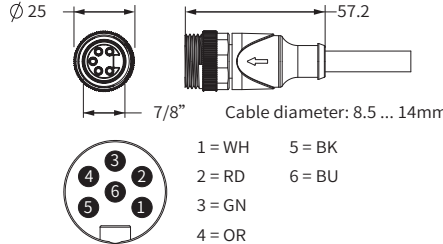
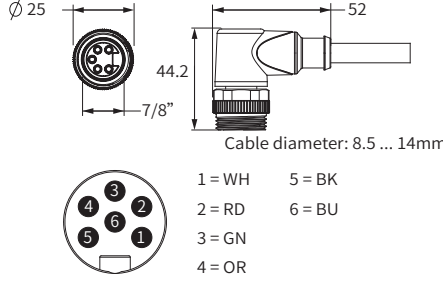
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	7/8"	Cable description	PVC-black
Rated current	[A] 9	Tightening torque	1.5 Nm
Rated voltage	[V] 600	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	TPU-black		
Material(knurl)	Zinc die-cast/Nickel plated		
Material(seal)	FPM/FKM		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
3-pole, straight, male, 7/8", cable type: V 	2 m	7/8-M3S-L2V	11 14 003 1100	 Cable diameter: 6 ... 8.5mm 1 = GNYE 2 = BN 3 = BU
	5 m	7/8-M3S-L5V	11 14 003 1101	
	10 m	7/8-M3S-L10V	11 14 003 1102	
3-pole, angled, male, 7/8", cable type: V 	2 m	7/8-M3A-L2V	11 14 003 0100	 Cable diameter: 6 ... 8.5mm 1 = GNYE 2 = BN 3 = BU
	5 m	7/8-M3A-L5V	11 14 003 0101	
	10 m	7/8-M3A-L10V	11 14 003 0102	
4-pole, straight, male, 7/8", cable type: V 	2 m	7/8-M4S-L2V	11 14 004 1100	 Cable diameter: 6 ... 8.5mm 1 = BK 2 = BU 3 = BN 4 = WH
	5 m	7/8-M4S-L5V	11 14 004 1101	
	10 m	7/8-M4S-L10V	11 14 004 1102	
4-pole, angled, male, 7/8", cable type: V 	2 m	7/8-M4A-L2V	11 14 004 0100	 Cable diameter: 6 ... 8.5mm 1 = BK 2 = BU 3 = BN 4 = WH
	5 m	7/8-M4A-L5V	11 14 004 0101	
	10 m	7/8-M4A-L10V	11 14 004 0102	

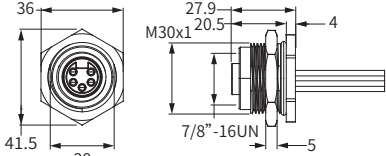
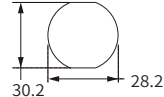
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	7/8"	Cable description	PVC-black
Rated current	[A] 9	Tightening torque	1.5 Nm
Rated voltage	[V] 600	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	TPU-black	Pollution degree	3
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	TPU-black		
Material(knurl)	Zinc die-cast/Nickel plated		
Material(seal)	FPM/FKM		

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
5-pole, straight, male, 7/8", cable type: V 	2 m	7/8-M5S-L2V	11 14 005 1100	 Cable diameter: 8.5 ... 14mm 1 = BK 5 = WH 2 = BU 3 = GNYE 4 = BN
	5 m	7/8-M5S-L5V	11 14 005 1101	
	10 m	7/8-M5S-L10V	11 14 005 1102	
5-pole, angled, male, 7/8", cable type: V 	2 m	7/8-M5A-L2V	11 14 005 0100	 Cable diameter: 8.5 ... 14mm 1 = BK 5 = WH 2 = BU 3 = GNYE 4 = BN
	5 m	7/8-M5A-L5V	11 14 005 0101	
	10 m	7/8-M5A-L10V	11 14 005 0102	
6-pole, straight, male, 7/8", cable type: V 	2 m	7/8-M6S-L2V	11 14 006 1100	 Cable diameter: 8.5 ... 14mm 1 = WH 5 = BK 2 = RD 6 = BU 3 = GN 4 = OR
	5 m	7/8-M6S-L5V	11 14 006 1101	
	10 m	7/8-M6S-L10V	11 14 006 1102	
6-pole, angled, male, 7/8", cable type: V 	2 m	7/8-M6A-L2V	11 14 006 0100	 Cable diameter: 8.5 ... 14mm 1 = WH 5 = BK 2 = RD 6 = BU 3 = GN 4 = OR
	5 m	7/8-M6A-L5V	11 14 006 0101	
	10 m	7/8-M6A-L10V	11 14 006 0102	

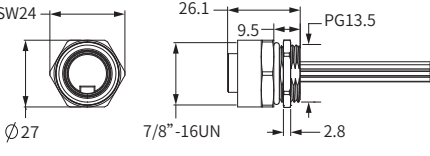
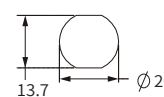
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	7/8"	Tightening torque	24 Nm
Rated current	[A] 9	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 600	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	RoHS	compliant
Material(contact)	Brass, gold plated		
Material(contact carrier)	TPU-black		
Material(knurl)	Zinc die-cast/Nickel plated		
Material(seal)	FPM/FKM		

Identification	No. of poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends¹⁾, rear mounting, female, individual wires, 7/8" 	3-pole	7/8-F3R-L0.5M30-1GNYE	11 14 003 2200	  3-pole 1 = GNYE 2 = BN 3 = BU 4-pole 1 = BK 2 = BU 3 = BN 4 = WH 5-pole 1 = BK 5 = WH 2 = BU 3 = GNYE 4 = BN 6-pole 1 = WH 5 = BK 2 = RD 6 = BU 3 = GN 4 = OR
	4-pole	7/8-F4R-L0.5M30	11 14 004 2200	
	5-pole	7/8-F5R-L0.5M30-3GNYE	11 14 005 2200	
	6-pole	7/8-F6R-L0.5M30	11 14 006 2200	

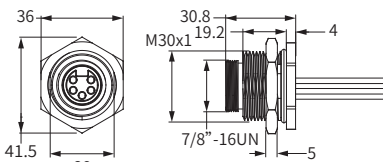
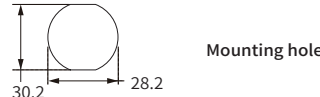
1): Standard cable length is 0.5m, variable cable length is optional.

Technical characteristics			
Connector	7/8"	Tightening torque	24 Nm
Rated current	[A] 9	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 600	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	RoHS	compliant
Material(contact)	Brass, gold plated		
Material(contact carrier)	TPU-black		
Material(knurl)	Zinc die-cast/Nickel plated		
Material(seal)	FPM/FKM		

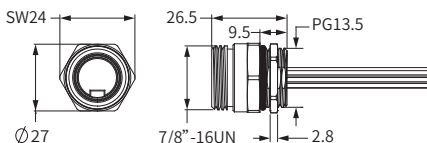
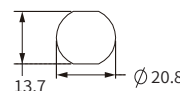
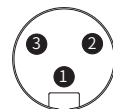
Identification	No. of poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends¹⁾, front mounting, female, individual wires, 7/8" 	3-pole	7/8-F3F-L0.5PG13.5-1GNYE	11 14 003 3201	  3-pole 1 = GNYE 2 = BN 3 = BU 4-pole 1 = BK 2 = BU 3 = BN 4 = WH 5-pole 1 = BK 5 = WH 2 = BU 3 = GNYE 4 = BN 6-pole 1 = WH 5 = BK 2 = RD 6 = BU 3 = GN 4 = OR
	4-pole	7/8-F4F-L0.5PG13.5	11 14 004 3201	
	5-pole	7/8-F5F-L0.5PG13.5	11 14 005 3200	
	6-pole	7/8-F6F-L0.5PG13.5	11 14 006 3200	

1): Standard cable length is 0.5m, variable cable length is optional; Fastening M20x1.5 is optional.

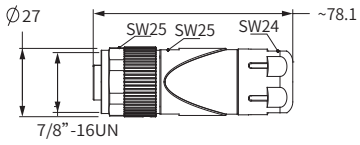
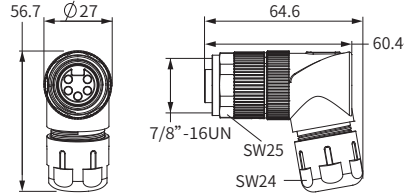
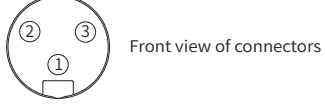
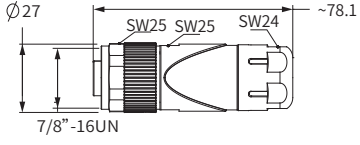
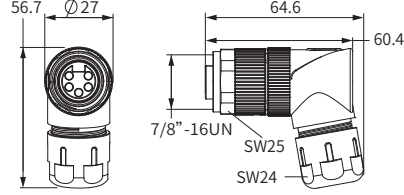
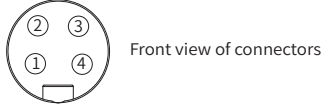
Technical characteristics			
Connector	7/8"	Tightening torque	24 Nm
Rated current	[A] 9	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 600	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	RoHS	compliant
Material(contact)	Brass, gold plated		
Material(contact carrier)	TPU-black		
Material(knurl)	Zinc die-cast/Nickel plated		
Material(seal)	FPM/FKM		

Identification	No. of poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends¹⁾, rear mounting, male, individual wires, 7/8" 	3-pole	7/8-M3R-L0.5M30-1GNYE	11 14 003 2100	  3-pole 1 = GNYE 2 = BN 3 = BU 4-pole 1 = BK 2 = BU 3 = BN 4 = WH 5-pole 1 = BK 5 = WH 2 = BU 3 = GNYE 4 = BN 6-pole 1 = WH 5 = BK 2 = RD 6 = BU 3 = GN 4 = OR
	4-pole	7/8-M4R-L0.5M30	11 14 004 2100	
	5-pole	7/8-M5R-L0.5M30-3GNYE	11 14 005 2100	
	6-pole	7/8-M6R-L0.5M30	11 14 006 2100	
1): Standard cable length is 0.5m, variable cable length is optional.				

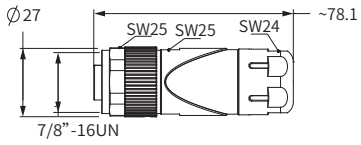
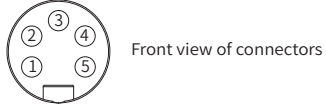
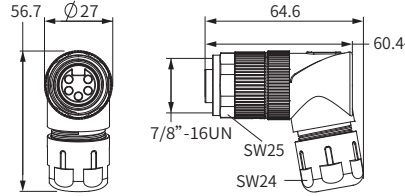
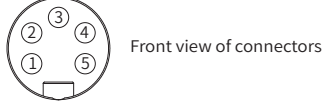
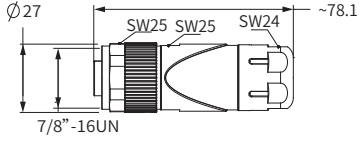
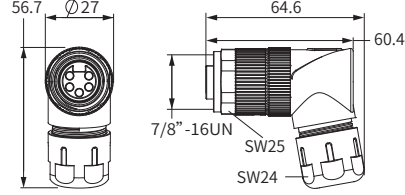
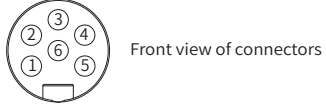
Technical characteristics			
Connector	7/8"	Tightening torque	24 Nm
Rated current	[A] 9	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 600	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	Zinc die-cast/Nickel plated	RoHS	compliant
Material(contact)	Brass, gold plated		
Material(contact carrier)	TPU-black		
Material(knurl)	Zinc die-cast/Nickel plated		
Material(seal)	FPM/FKM		

Identification	No. of poles	Type	Part number	Drawing (dimensions in mm)
Sensor/Actuator Receptacles, with wire ends¹⁾, front mounting, male, individual wires, 7/8" 	3-pole 4-pole 5-pole 6-pole	7/8-M3F-L0.5PG13.5-1GNYE 7/8-M4F-L0.5PG13.5 7/8-M5F-L0.5PG13.5 7/8-M6F-L0.5PG13.5	11 14 003 3101 11 14 004 3101 11 14 005 3100 11 14 006 3100	  3-pole  1 = GNYE 2 = BN 3 = BU 4-pole  1 = BK 2 = BU 3 = BN 4 = WH 5-pole  1 = BK 2 = BU 3 = GNYE 4 = BN 5 = WH 6-pole  1 = WH 2 = RD 3 = GN 4 = OR 5 = BK 6 = BU
1): Standard cable length is 0.5m, variable cable length is optional; Fastening M20x1.5 is optional.				

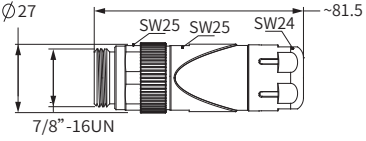
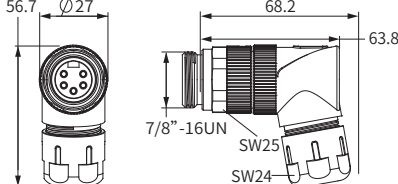
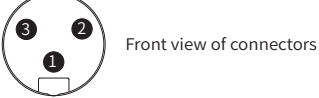
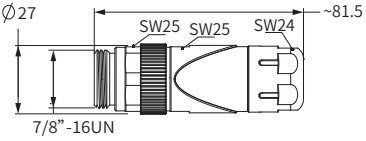
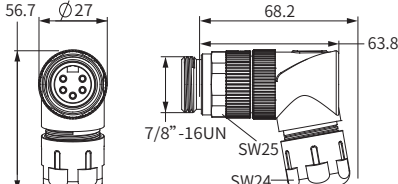
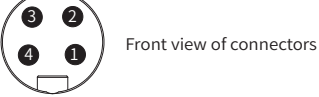
Technical characteristics			
Connector	7/8"	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	[°C] -25 ... +85
Rated current	[A] 9	Degree of protection (IP)	IP67
Rated voltage	[V] 300	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	RoHS	compliant
Material(grip body)	Nylon-black		
Material(contact)	Brass, gold plated		
Material(contact carrier)	TPU-black		
Material(knurl)	Aluminium oxide-black		

Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
3-pole, straight, female, 7/8" , cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-F3S-D13	11 14 003 1290	 
3-pole, angled, female, 7/8" , cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-F3A-D13	11 14 003 0290	 
4-pole, straight, female, 7/8" , cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-F4S-D13	11 14 004 1290	 
4-pole, angled, female, 7/8" , cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-F4A-D13	11 14 004 0290	 

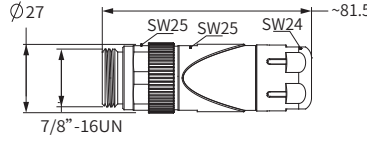
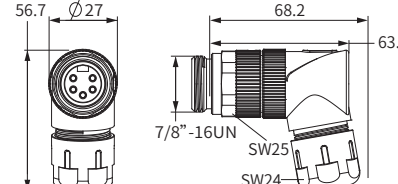
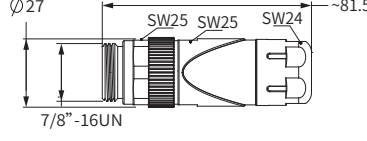
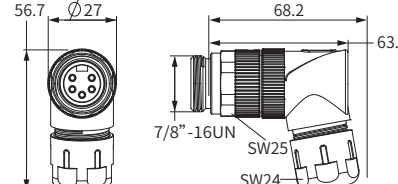
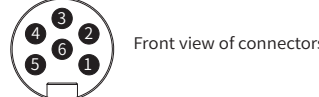
Technical characteristics			
Connector	7/8"	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	[°C] -25 ... +85
Rated current	[A] 9	Degree of protection (IP)	IP67
Rated voltage	[V] 300	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	RoHS	compliant
Material(grip body)	Nylon-black		
Material(contact)	Brass, gold plated		
Material(contact carrier)	TPU-black		
Material(knurl)	Aluminium oxide-black		

Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
5-pole, straight, female, 7/8" , cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-F5S-D13	11 14 005 1290	 
5-pole, angled, female, 7/8" , cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-F5A-D13	11 14 005 0290	 
6-pole, straight, female, 7/8" , cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-F6S-D13	11 14 006 1290	 
6-pole, angled, female, 7/8" , cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-F6A-D13	11 14 006 0290	 

Technical characteristics			
Connector	7/8"	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	[°C] -25 ... +85
Rated current	[A] 9	Degree of protection (IP)	IP67
Rated voltage	[V] 300	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	RoHS	compliant
Material(grip body)	Nylon-black		
Material(contact)	Brass, gold plated		
Material(contact carrier)	TPU-black		
Material(knurl)	Aluminium oxide-black		

Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
3-pole, straight, male, 7/8" , cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-M3S-D13	11 14 003 1190	  Front view of connectors
3-pole, angled, male, 7/8" , cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-M4S-D13	11 14 004 1190	  Front view of connectors
4-pole, straight, male, 7/8" , cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-M3A-D13	11 14 003 0190	  Front view of connectors
4-pole, angled, male, 7/8" , cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-M4A-D13	11 14 004 0190	  Front view of connectors

Technical characteristics			
Connector	7/8"	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	[°C] -25 ... +85
Rated current	[A] 9	Degree of protection (IP)	IP67
Rated voltage	[V] 300	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	RoHS	compliant
Material(grip body)	Nylon-black		
Material(contact)	Brass, gold plated		
Material(contact carrier)	TPU-black		
Material(knurl)	Aluminium oxide-black		

Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
5-pole, straight, male, 7/8" , cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-M5S-D13	11 14 005 1190	  Front view of connectors
5-pole, angled, male, 7/8" , cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-M5A-D13	11 14 005 0190	  Front view of connectors
6-pole, straight, male, 7/8" , cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-M6S-D13	11 14 006 1190	  Front view of connectors
6-pole, angled, male, 7/8" , cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-M6A-D13	11 14 006 0190	  Front view of connectors

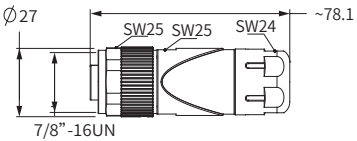
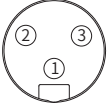
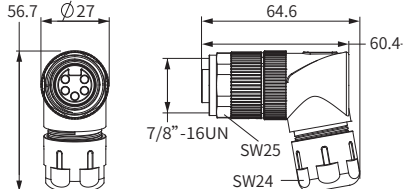
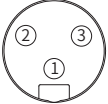
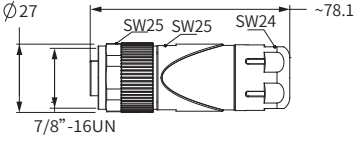
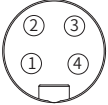
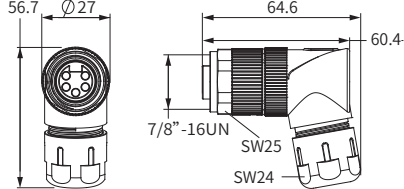
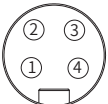
Technical characteristics			
Connector	7/8"	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	[°C] -25 ... +85
Rated current	[A] 9	Degree of protection (IP)	IP67
Rated voltage	[V] 300	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	RoHS	compliant
Material(grip body)	Nylon-black		
Material(contact)	Brass, gold plated		
Material(contact carrier)	TPU-black		
Material(knurl)	Aluminium oxide-black		

Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
3-pole, straight, female, 7/8" , cable diameter: 13 ... 15 mm (black sealing) 15 ... 18 mm(grey sealing)	0.34 ... 2.5 mm ²	7/8-F3S-D18	11 14 003 1291	 Front view of connectors
4-pole, straight, female, 7/8" , cable diameter: 13 ... 15 mm (black sealing) 15 ... 18 mm(grey sealing)	0.34 ... 2.5 mm ²	7/8-F4S-D18	11 14 004 1291	 Front view of connectors
5-pole, straight, female, 7/8" , cable diameter: 13 ... 15 mm (black sealing) 15 ... 18 mm(grey sealing)	0.34 ... 2.5 mm ²	7/8-F5S-D18	11 14 005 1291	 Front view of connectors
6-pole, straight, female, 7/8" , cable diameter: 13 ... 15 mm (black sealing) 15 ... 18 mm(grey sealing)	0.34 ... 2.5 mm ²	7/8-F6S-D18	11 14 006 1291	 Front view of connectors

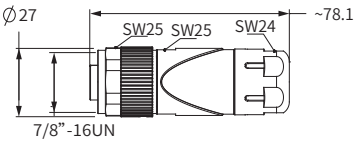
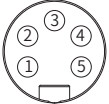
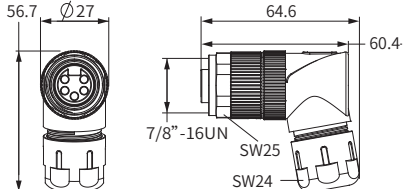
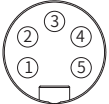
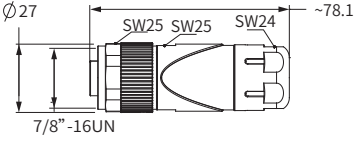
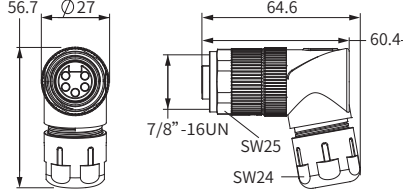
Technical characteristics			
Connector	7/8"	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	[°C] -25 ... +85
Rated current	[A] 9	Degree of protection (IP)	IP67
Rated voltage	[V] 300	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	RoHS	compliant
Material(grip body)	Nylon-black		
Material(contact)	Brass, gold plated		
Material(contact carrier)	TPU-black		
Material(knurl)	Aluminium oxide-black		

Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
3-pole, straight, male, 7/8" , cable diameter: 13 ... 15 mm (black sealing) 15 ... 18 mm(grey sealing)	0.34 ... 2.5 mm ²	7/8-M3S-D18	11 14 003 1191	 Front view of connectors
4-pole, straight, male, 7/8" , cable diameter: 13 ... 15 mm (black sealing) 15 ... 18 mm(grey sealing)	0.34 ... 2.5 mm ²	7/8-M4S-D18	11 14 004 1191	 Front view of connectors
5-pole, straight, male, 7/8" , cable diameter: 13 ... 15 mm (black sealing) 15 ... 18 mm(grey sealing)	0.34 ... 2.5 mm ²	7/8-M5S-D18	11 14 005 1191	 Front view of connectors
6-pole, straight, male, 7/8" , cable diameter: 13 ... 15 mm (black sealing) 15 ... 18 mm(grey sealing)	0.34 ... 2.5 mm ²	7/8-M6S-D18	11 14 006 1191	 Front view of connectors

Technical characteristics			
Connector	7/8"	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	[°C] -25 ... +85
Rated current	[A] 9	Degree of protection (IP)	IP67
Rated voltage	[V] 300	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	RoHS	compliant
Material(grip body)	Nylon-black		
Material(contact)	Brass, gold plated		
Material(contact carrier)	TPU-black		
Material(knurl)	Stainless steel		

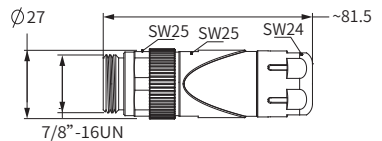
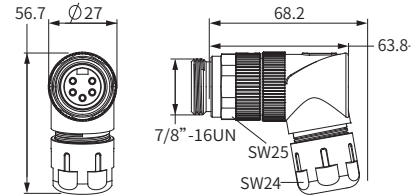
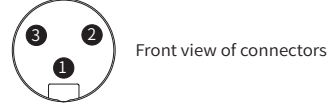
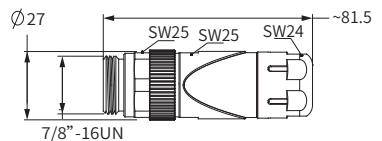
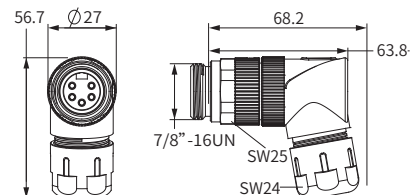
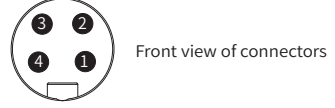
Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
3-pole, straight, female, 7/8" , cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-VF3S-D13	11 14 203 1290	  Front view of connectors
3-pole, angled, female, 7/8" , cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-VF3A-D13	11 14 203 0290	  Front view of connectors
4-pole, straight, female, 7/8" , cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-VF4S-D13	11 14 204 1290	  Front view of connectors
4-pole, angled, female, 7/8" , cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-VF4A-D13	11 14 204 0290	  Front view of connectors

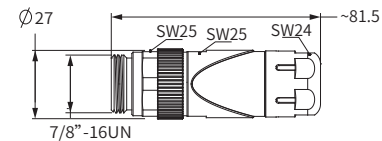
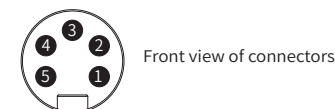
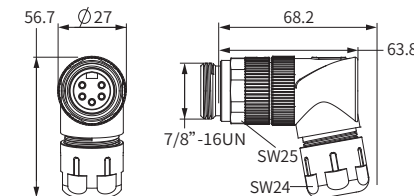
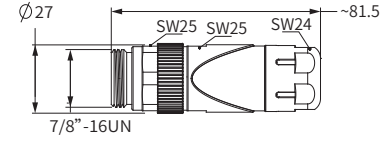
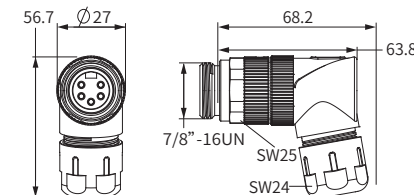
Technical characteristics			
Connector	7/8"	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	[°C] -25 ... +85
Rated current	[A] 9	Degree of protection (IP)	IP67
Rated voltage	[V] 300	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	RoHS	compliant
Material(grip body)	Nylon-black		
Material(contact)	Brass, gold plated		
Material(contact carrier)	TPU-black		
Material(knurl)	Stainless steel		

Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
5-pole, straight, female, 7/8" , cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-VF5S-D13	11 14 205 1290	  Front view of connectors
5-pole, angled, female, 7/8" , cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-VF5A-D13	11 14 205 0290	  Front view of connectors
6-pole, straight, female, 7/8" , cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-VF6S-D13	11 14 206 1290	  Front view of connectors
6-pole, angled, female, 7/8" , cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-VF6A-D13	11 14 206 0290	  Front view of connectors

Technical characteristics			
Connector	7/8"	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	[°C] -25 ... +85
Rated current	[A] 9	Degree of protection (IP)	IP67
Rated voltage	[V] 300	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	RoHS	compliant
Material(grip body)	Nylon-black		
Material(contact)	Brass, gold plated		
Material(contact carrier)	TPU-black		
Material(knurl)	Stainless steel		

Technical characteristics			
Connector	7/8"	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	[°C] -25 ... +85
Rated current	[A] 9	Degree of protection (IP)	IP67
Rated voltage	[V] 300	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	RoHS	compliant
Material(grip body)	Nylon-black		
Material(contact)	Brass, gold plated		
Material(contact carrier)	TPU-black		
Material(knurl)	Stainless steel		

Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
3-pole, straight, male, 7/8", cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-VM3S-D13	11 14 203 1190	 
3-pole, angled, male, 7/8", cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-VM3A-D13	11 14 203 0190	 
4-pole, straight, male, 7/8", cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-VM4S-D13	11 14 204 1190	 
4-pole, angled, male, 7/8", cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-VM4A-D13	11 14 204 0190	 

Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
5-pole, straight, male, 7/8", cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-VM5S-D13	11 14 205 1190	 
5-pole, angled, male, 7/8", cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-VM5A-D13	11 14 205 0190	 
6-pole, straight, male, 7/8", cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-VM6S-D13	11 14 206 1190	 
6-pole, angled, male, 7/8", cable diameter: 6 ... 8 mm (black sealing) 8 ... 10 mm (blue sealing) 10 ... 13 mm (grey sealing) 	0.34 ... 2.5 mm ²	7/8-VM6A-D13	11 14 206 0190	 

Technical characteristics			
Connector	7/8"	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	[°C] -25 ... +85
Rated current	[A] 9	Degree of protection (IP)	IP67
Rated voltage	[V] 300	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	RoHS	compliant
Material(grip body)	Nylon-black		
Material(contact)	Brass, gold plated		
Material(contact carrier)	TPU-black		
Material(knurl)	Stainless steel		

Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
3-pole, straight, female, 7/8" , cable diameter: 13 ... 15 mm (black sealing) 15 ... 18 mm(grey sealing)	0.34 ... 2.5 mm ²	7/8-VF3S-D18	11 14 203 1291	 Front view of connectors
4-pole, straight, female, 7/8" , cable diameter: 13 ... 15 mm (black sealing) 15 ... 18 mm(grey sealing)	0.34 ... 2.5 mm ²	7/8-VF4S-D18	11 14 204 1291	 Front view of connectors
5-pole, straight, female, 7/8" , cable diameter: 13 ... 15 mm (black sealing) 15 ... 18 mm(grey sealing)	0.34 ... 2.5 mm ²	7/8-VF5S-D18	11 14 205 1291	 Front view of connectors
6-pole, straight, female, 7/8" , cable diameter: 13 ... 15 mm (black sealing) 15 ... 18 mm(grey sealing)	0.34 ... 2.5 mm ²	7/8-VF6S-D18	11 14 206 1291	 Front view of connectors

Technical characteristics			
Connector	7/8"	Material(seal)	FPM/FKM
Connection method	Screw	Limiting temperature	[°C] -25 ... +85
Rated current	[A] 9	Degree of protection (IP)	IP67
Rated voltage	[V] 300	Mating cycles	≥100
Insulation resistance	[Ω] ≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ] ≤5	RoHS	compliant
Material(grip body)	Nylon-black		
Material(contact)	Brass, gold plated		
Material(contact carrier)	TPU-black		
Material(knurl)	Stainless steel		

Identification	Connection cross section	Type	Part number	Drawing (dimensions in mm)
3-pole, straight, male, 7/8" , cable diameter: 13 ... 15 mm (black sealing) 15 ... 18 mm(grey sealing)	0.34 ... 2.5 mm ²	7/8-VM3S-D18	11 14 203 1191	 Front view of connectors
4-pole, straight, male, 7/8" , cable diameter: 13 ... 15 mm (black sealing) 15 ... 18 mm(grey sealing)	0.34 ... 2.5 mm ²	7/8-VM4S-D18	11 14 204 1191	 Front view of connectors
5-pole, straight, male, 7/8" , cable diameter: 13 ... 15 mm (black sealing) 15 ... 18 mm(grey sealing)	0.34 ... 2.5 mm ²	7/8-VM5S-D18	11 14 205 1191	 Front view of connectors
6-pole, straight, male, 7/8" , cable diameter: 13 ... 15 mm (black sealing) 15 ... 18 mm(grey sealing)	0.34 ... 2.5 mm ²	7/8-VM6S-D18	11 14 206 1191	 Front view of connectors

M23

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Sensor/Actuator Receptacles	11-01
Field Wireable Connectors	12-01

Technical characteristics					
Connector		M23	Cable description		PVC-black
Rated voltage	[V]	630	Tightening torque		2 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature	[°C]	-25 ... +85
Contact resistance	[mΩ]	≤5	Degree of protection (IP)		IP67
Material(grip body)		TPU-black	Mating cycles		≥100
Material(contact)		Brass, gold plated	Pollution degree		3
Material(contact carrier)		PBT-black	Standard		IEC61076-2-101
Material(knurl)		Brass/Nickel plated	RoHS		compliant
Material(seal)		FPM/FKM			

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
6-pole, straight, female, M23, with coupling nut, Power/Brake: 9A/9A, cable type: V	2 m	M23-F6S-L2PV.16	11 12 006 1200	
6-pole, angled, female, M23, with coupling nut, Power/Brake: 9A/9A, cable type: V	2 m	M23-F6A-L2PV.16	11 12 006 0200	
6-pole, straight, female, M23, with coupling nut, Power/Brake: 16A/9A, cable type: V	2 m	M23-F6S-L2PV.14	11 12 006 1201	
6-pole, angled, female, M23, with coupling nut, Power/Brake: 16A/9A, cable type: V	2 m	M23-F6A-L2PV.14	11 12 006 0201	

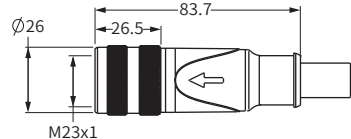
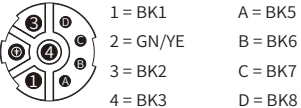
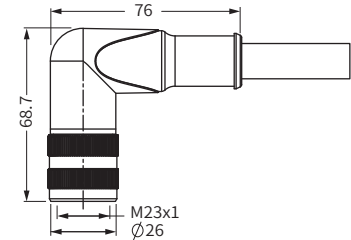
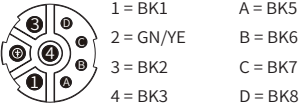
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics					
Connector		M23	Cable description		PVC-black
Rated voltage	[V]	630	Tightening torque		2 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature	[°C]	-25 ... +85
Contact resistance	[mΩ]	≤5	Degree of protection (IP)		IP67
Material(grip body)		TPU-black	Mating cycles		≥100
Material(contact)		Brass, gold plated	Pollution degree		3
Material(contact carrier)		PBT-black	Standard		IEC61076-2-101
Material(knurl)		Brass/Nickel plated	RoHS		compliant
Material(seal)		FPM/FKM			

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
6-pole, straight, female, M23, with coupling nut, Power/Brake: 28A/9A, cable type: V	2 m	M23-F6S-L2PV.12	11 12 006 1202	
6-pole, angled, female, M23, with coupling nut, Power/Brake: 28A/9A, cable type: V	2 m	M23-F6A-L2PV.12	11 12 006 0202	
8-pole, straight, female, M23, with coupling nut, Power/Brake: 9A/7A, cable type: V	2 m	M23-F8S-L2PV.16	11 12 008 1200	
8-pole, angled, female, M23, with coupling nut, Power/Brake: 9A/7A, cable type: V	2 m	M23-F8A-L2PV.16	11 12 008 0200	

1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics					
Connector		M23	Cable description		PVC-black
Rated voltage	[V]	630	Tightening torque		2 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature	[°C]	-25 ... +85
Contact resistance	[mΩ]	≤5	Degree of protection (IP)		IP67
Material(grip body)		TPU-black	Mating cycles		≥100
Material(contact)		Brass, gold plated	Pollution degree		3
Material(contact carrier)		PBT-black	Standard		IEC61076-2-101
Material(knurl)		Brass/Nickel plated	RoHS		compliant
Material(seal)		FPM/FKM			

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
8-pole, straight, female, M23, with coupling nut, Power/Brake: 16A/7A, cable type: V 	2 m	M23-F8S-L2PV.14	11 12 008 1201	 
8-pole, angled, female, M23, with coupling nut, Power/Brake: 16A/7A, cable type: V 	2 m	M23-F8A-L2PV.14	11 12 008 0201	 

1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	M23	Material(seal)	FPM/FKM
Rated current	[A] 9	Cable description	PVC-black
Rated voltage	[V] 150	Tightening torque	2 Nm
Insulation resistance	[Ω] ≥10 ⁸	Limiting temperature	[°C] -25 ... +85
Contact resistance	[mΩ] ≤5	Degree of protection (IP)	IP67
Material(grip body)	TPU-black	Mating cycles	≥100
Material(contact)	Brass, gold plated	Pollution degree	3
Material(contact carrier)	PBT-white	Standard	IEC61076-2-101
Material(knurl)	Zinc die-cast/Nickel plated	RoHS	compliant

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
12.7-pole, straight, female, M23, with coupling nut, cable type: V	2 m	MN23-F12.7S-L2V	11 12 012 1212	Ø26 76.2 26.5 M23x1 1 = WH 9 = BU 2 = GN 10 = connect with 9 3 = YE 11 = BN 4 = GY 12 = GN/YE
	5 m	MN23-F12.7S-L5V	11 12 012 1213	
	10 m	MN23-F12.7S-L10V	11 12 012 1214	
12.7-pole, angled, female, M23, with coupling nut, cable type: V	2 m	MN23-F12.7A-L2V	11 12 012 0212	76 61.2 M23x1 Ø26 1 = WH 9 = BU 2 = GN 10 = connect with 9 3 = YE 11 = BN 4 = GY 12 = GN/YE
	5 m	MN23-F12.7A-L5V	11 12 012 0213	
	10 m	MN23-F12.7A-L10V	11 12 012 0214	
12.9-pole, straight, female, M23, with coupling nut, cable type: V	2 m	MN23-F12.9S-L2V	11 12 012 1215	Ø26 76.2 26.5 M23x1 1 = WH 6 = RD 2 = GN 9 = BU 3 = YE 10 = connect wit 9 4 = GY 11 = BN 5 = PK 12 = GN/YE
	5 m	MN23-F12.9S-L5V	11 12 012 1216	
	10 m	MN23-F12.9S-L10V	11 12 012 1217	
12.9-pole, angled, female, M23, with coupling nut, cable type: V	2 m	MN23-F12.9A-L2V	11 12 012 0215	76 61.2 M23x1 Ø26 1 = WH 6 = RD 2 = GN 9 = BU 3 = YE 10 = connect wit 9 4 = GY 11 = BN 5 = PK 12 = GN/YE
	5 m	MN23-F12.9A-L5V	11 12 012 0216	
	10 m	MN23-F12.9A-L10V	11 12 012 0217	

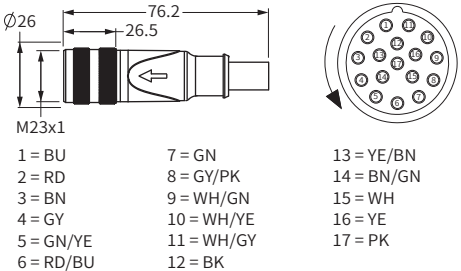
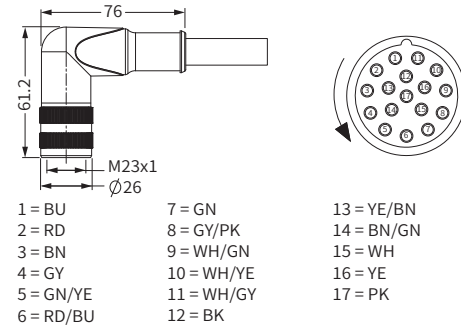
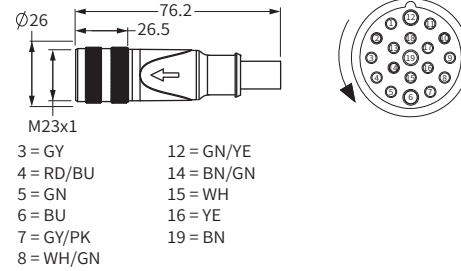
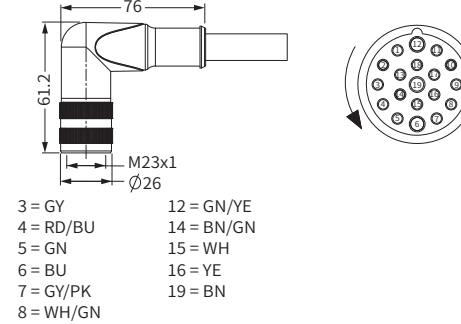
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	M23	Material(seal)	FPM/FKM
Rated current	[A] 9	Cable description	PVC-black
Rated voltage	[V] 150	Tightening torque	2 Nm
Insulation resistance	[Ω] ≥10 ⁸	Limiting temperature	[°C] -25 ... +85
Contact resistance	[mΩ] ≤5	Degree of protection (IP)	IP67
Material(grip body)	TPU-black	Mating cycles	≥100
Material(contact)	Brass, gold plated	Pollution degree	3
Material(contact carrier)	PBT-white	Standard	IEC61076-2-101
Material(knurl)	Zinc die-cast/Nickel plated	RoHS	compliant

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
12.11-pole, straight, female, M23, with coupling nut, cable type: V	2 m	MN23-F12.11S-L2V	11 12 012 1218	Ø26 76.2 26.5 M23x1 1 = WH 7 = BK 2 = GN 8 = VT 3 = YE 9 = BU 4 = GY 10 = connect with 9 5 = PK 11 = BN 6 = RD 12 = GN/YE
	5 m	MN23-F12.11S-L5V	11 12 012 1219	
	10 m	MN23-F12.11S-L10V	11 12 012 1220	
12.11-pole, angled, female, M23, with coupling nut, cable type: V	2 m	MN23-F12.11A-L2V	11 12 012 0218	76 61.2 M23x1 Ø26 1 = WH 7 = BK 2 = GN 8 = VT 3 = YE 9 = BU 4 = GY 10 = connect with 9 5 = PK 11 = BN 6 = RD 12 = GN/YE
	5 m	MN23-F12.11A-L5V	11 12 012 0219	
	10 m	MN23-F12.11A-L10V	11 12 012 0220	
12-pole, straight, female, M23, with coupling nut, cable type: V	2 m	MN23-F12S-L2V	11 12 012 1221	Ø26 76.2 26.5 M23x1 1 = BN 7 = GY 2 = BU 8 = PK 3 = WH 9 = RD 4 = GN/YE 10 = BN/WH 5 = OG 11 = BU/WH 6 = YE 12 = GN/WH
	5 m	MN23-F12S-L5V	11 12 012 1222	
	10 m	MN23-F12S-L10V	11 12 012 1223	
12-pole, angled, female, M23, with coupling nut, cable type: V	2 m	MN23-F12A-L2V	11 12 012 0221	76 61.2 M23x1 Ø26 1 = BN 7 = GY 2 = BU 8 = PK 3 = WH 9 = RD 4 = GN/YE 10 = BN/WH 5 = OG 11 = BU/WH 6 = YE 12 = GN/WH
	5 m	MN23-F12A-L5V	11 12 012 0222	
	10 m	MN23-F12A-L10V	11 12 012 0223	

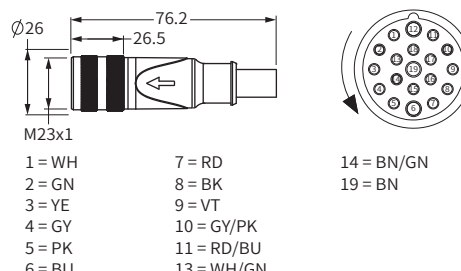
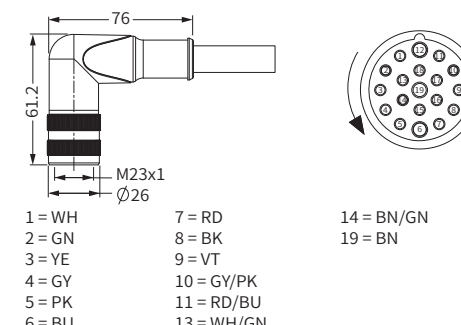
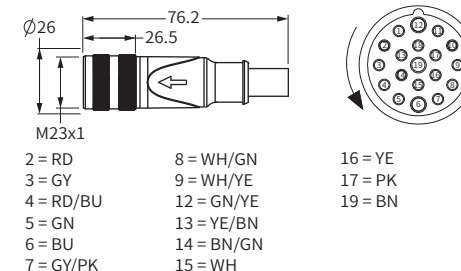
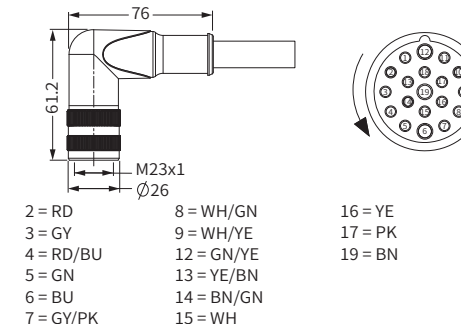
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics				
Connector		M23	Material(seal)	FPM/FKM
Rated current	[A]	9	Cable description	PVC-black
Rated voltage	[V]	150	Tightening torque	2 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature	[-25 ... +85
Contact resistance	[mΩ]	≤5	Degree of protection (IP)	IP67
Material(grip body)		TPU-black	Mating cycles	≥100
Material(contact)		Brass, gold plated	Pollution degree	3
Material(contact carrier)		PBT-white	Standard	IEC61076-2-101
Material(knurl)		Zinc die-cast/Nickel plated	RoHS	compliant

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
17-pole, straight, female, M23, with coupling nut, cable type: V 	2 m	MN23-F17S-L2V	11 12 017 1203	 M23x1 1 = BU 7 = GN 13 = YE/BN 2 = RD 8 = GY/PK 14 = BN/GN 3 = BN 9 = WH/GN 15 = WH 4 = GY 10 = WH/YE 16 = YE 5 = GN/YE 11 = WH/GY 17 = PK 6 = RD/BU 12 = BK
	5 m	MN23-F17S-L5V	11 12 017 1204	
	10 m	MN23-F17S-L10V	11 12 017 1205	
17-pole, angled, female, M23, with coupling nut, cable type: V 	2 m	MN23-F17A-L2V	11 12 017 0203	 M23x1 1 = BU 7 = GN 13 = YE/BN 2 = RD 8 = GY/PK 14 = BN/GN 3 = BN 9 = WH/GN 15 = WH 4 = GY 10 = WH/YE 16 = YE 5 = GN/YE 11 = WH/GY 17 = PK 6 = RD/BU 12 = BK
	5 m	MN23-F17A-L5V	11 12 017 0204	
	10 m	MN23-F17A-L10V	11 12 017 0205	
19.11-pole, straight, female, M23, with coupling nut, cable type: V 	2 m	MN23-F19.11S-L2V	11 12 019 1213	 M23x1 3 = GY 12 = GN/YE 16 = YE 4 = RD/BU 14 = BN/GN 17 = PK 5 = GN 15 = WH 19 = BN 6 = BU 7 = GY/PK 8 = WH/GN
	5 m	MN23-F19.11S-L5V	11 12 019 1214	
	10 m	MN23-F19.11S-L10V	11 12 019 1215	
19.11-pole, angled, female, M23, with coupling nut, cable type: V 	2 m	MN23-F19.11A-L2V	11 12 019 0213	 M23x1 3 = GY 12 = GN/YE 16 = YE 4 = RD/BU 14 = BN/GN 17 = PK 5 = GN 15 = WH 19 = BN 6 = BU 7 = GY/PK 8 = WH/GN
	5 m	MN23-F19.11A-L5V	11 12 019 0214	
	10 m	MN23-F19.11A-L10V	11 12 019 0215	

1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics				
Connector		M23	Material(seal)	FPM/FKM
Rated current	[A]	9	Cable description	PVC-black
Rated voltage	[V]	150	Tightening torque	2 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature	[-25 ... +85
Contact resistance	[mΩ]	≤5	Degree of protection (IP)	IP67
Material(grip body)		TPU-black	Mating cycles	≥100
Material(contact)		Brass, gold plated	Pollution degree	3
Material(contact carrier)		PBT-white	Standard	IEC61076-2-101
Material(knurl)		Zinc die-cast/Nickel plated	RoHS	compliant

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
19.14-pole, straight, female, M23, with coupling nut, cable type: V 	2 m	MN23-F19.14S-L2V	11 12 019 1216	 M23x1 1 = WH 7 = RD 14 = BN/GN 2 = GN 8 = BK 19 = BN 3 = YE 9 = VT 4 = GY 10 = GY/PK 5 = PK 11 = RD/BU 6 = BU 13 = WH/GN
	5 m	MN23-F19.14S-L5V	11 12 019 1217	
	10 m	MN23-F19.14S-L10V	11 12 019 1218	
19.14-pole, angled, female, M23, with coupling nut, cable type: V 	2 m	MN23-F19.14A-L2V	11 12 019 0216	 M23x1 1 = WH 7 = RD 14 = BN/GN 2 = GN 8 = BK 19 = BN 3 = YE 9 = VT 4 = GY 10 = GY/PK 5 = PK 11 = RD/BU 6 = BU 13 = WH/GN
	5 m	MN23-F19.14A-L5V	11 12 019 0217	
	10 m	MN23-F19.14A-L10V	11 12 019 0218	
19.15-pole, straight, female, M23, with coupling nut, cable type: V 	2 m	MN23-F19.15S-L2V	11 12 019 1219	 M23x1 2 = RD 8 = WH/GN 16 = YE 3 = GY 9 = WH/YE 17 = PK 4 = RD/BU 12 = GN/YE 19 = BN 5 = GN 13 = YE/BN 6 = BU 14 = BN/GN 7 = GY/PK 15 = WH
	5 m	MN23-F19.15S-L5V	11 12 019 1220	
	10 m	MN23-F19.15S-L10V	11 12 019 1221	
19.15-pole, angled, female, M23, with coupling nut, cable type: V 	2 m	MN23-F19.15A-L2V	11 12 019 0219	 M23x1 2 = RD 8 = WH/GN 16 = YE 3 = GY 9 = WH/YE 17 = PK 4 = RD/BU 12 = GN/YE 19 = BN 5 = GN 13 = YE/BN 6 = BU 14 = BN/GN 7 = GY/PK 15 = WH
	5 m	MN23-F19.15A-L5V	11 12 019 0220	
	10 m	MN23-F19.15A-L10V	11 12 019 0221	

1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics					
Connector		M23	Material(seal)		FPM/FKM
Rated current	[A]	9	Cable description		PVC-black
Rated voltage	[V]	150	Tightening torque		2 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature	[°C]	-25 ... +85
Contact resistance	[mΩ]	≤5	Degree of protection (IP)		IP67
Material(grip body)		TPU-black	Mating cycles		≥100
Material(contact)		Brass, gold plated	Pollution degree		3
Material(contact carrier)		PBT-white	Standard		IEC61076-2-101
Material(knurl)		Zinc die-cast/Nickel plated	RoHS		compliant

Technical characteristics					
Connector		M23	Cable description		PVC-black
Rated voltage	[V]	630	Tightening torque		2 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature	[°C]	-25 ... +85
Contact resistance	[mΩ]	≤5	Degree of protection (IP)		IP67
Material(grip body)		TPU-black	Mating cycles		≥100
Material(contact)		Brass, gold plated	Pollution degree		3
Material(contact carrier)		PBT-black	Standard		IEC61076-2-101
Material(knurl)		Brass/Nickel plated	RoHS		compliant
Material(seal)		FPM/FKM			

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
19-pole, straight, female, M23, with coupling nut, cable type: V	2 m	MN23-F19S-L2V	11 12 019 1222	Dimensions: Ø26, 76.2, 26.5 M23x1 1 = VT 8 = WH/GN 15 = WH 2 = RD 9 = WH/YE 16 = YE 3 = GY 10 = WH/GY 17 = PK 4 = RD/BU 11 = BK 18 = GY/BN 5 = GN 12 = GN/YE 19 = BN 6 = BU 13 = YE/BN 7 = GY/PK 14 = BN/GN
	5 m	MN23-F19S-L5V	11 12 019 1223	
	10 m	MN23-F19S-L10V	11 12 019 1224	
19-pole, angled, female, M23, with coupling nut, cable type: V	2 m	MN23-F19A-L2V	11 12 019 0222	Dimensions: 76, 61.2, Ø26 M23x1 1 = VT 8 = WH/GN 15 = WH 2 = RD 9 = WH/YE 16 = YE 3 = GY 10 = WH/GY 17 = PK 4 = RD/BU 11 = BK 18 = GY/BN 5 = GN 12 = GN/YE 19 = BN 6 = BU 13 = YE/BN 7 = GY/PK 14 = BN/GN
	5 m	MN23-F19A-L5V	11 12 019 0223	
	10 m	MN23-F19A-L10V	11 12 019 0224	

1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
6-pole, straight, male, M23, with outside thread, Power/Brake: 9A/9A, cable type: V	2 m	M23-M6S-L2PV.16	11 12 006 1100	Dimensions: Ø26, 75.4 M23x1 1 = BK1 4 = BK3 2 = BK2 5 = BK 3 = GN/YE 6 = WH
	2 m	M23-M6A-L2PV.16	11 12 006 0100	
6-pole, angled, male, M23, with outside thread, Power/Brake: 9A/9A, cable type: V	2 m	M23-M6A-L2PV.16	11 12 006 0100	Dimensions: 76, 60.4, Ø26 M23x1 1 = BK1 4 = BK3 2 = BK2 5 = BK 3 = GN/YE 6 = WH
	2 m	M23-M6S-L2PV.14	11 12 006 1101	
6-pole, straight, male, M23, with outside thread, Power/Brake: 16A/9A, cable type: V	2 m	M23-M6S-L2PV.14	11 12 006 1101	Dimensions: Ø26, 75.4 M23x1 1 = BK1 4 = BK3 2 = BK2 5 = BK 3 = GN/YE 6 = WH
	2 m	M23-M6A-L2PV.14	11 12 006 0101	

1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics					
Connector		M23	Cable description		PVC-black
Rated voltage	[V]	630	Tightening torque		2 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature	[°C]	-25 ... +85
Contact resistance	[mΩ]	≤5	Degree of protection (IP)		IP67
Material(grip body)		TPU-black	Mating cycles		≥100
Material(contact)		Brass, gold plated	Pollution degree		3
Material(contact carrier)		PBT-black	Standard		IEC61076-2-101
Material(knurl)		Brass/Nickel plated	RoHS		compliant
Material(seal)		FPM/FKM			

Technical characteristics					
Connector		M23	Cable description		PVC-black
Rated voltage	[V]	630	Tightening torque		2 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature	[°C]	-25 ... +85
Contact resistance	[mΩ]	≤5	Degree of protection (IP)		IP67
Material(grip body)		TPU-black	Mating cycles		≥100
Material(contact)		Brass, gold plated	Pollution degree		3
Material(contact carrier)		PBT-black	Standard		IEC61076-2-101
Material(knurl)		Brass/Nickel plated	RoHS		compliant
Material(seal)		FPM/FKM			

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
6-pole, straight, male, M23, with outside thread, Power/Brake: 28A/9A, cable type: V	2 m	M23-M6S-L2PV.12	11 12 006 1102	Dimensions: Ø26, 75.4, M23x1 Pinout: 1 = BK1, 2 = BK2, 3 = GN/YE, 4 = BK3, 5 = BK, 6 = WH
6-pole, angled, male, M23, with outside thread, Power/Brake: 28A/9A, cable type: V	2 m	M23-M6A-L2PV.12	11 12 006 0102	Dimensions: 76, 60.4, M23x1, Ø26 Pinout: 1 = BK1, 2 = BK2, 3 = GN/YE, 4 = BK3, 5 = BK, 6 = WH
8-pole, straight, male, M23, with outside thread, Power/Brake: 9A/7A, cable type: V	2 m	M23-M8S-L2PV.16	11 12 008 1100	Dimensions: Ø26, 75.4, M23x1 Pinout: 1 = BK1, 2 = GN/YE, 3 = BK2, 4 = BK3, A = BK5, B = BK6, C = BK7, D = BK8
8-pole, angled, male, M23, with outside thread, Power/Brake: 9A/7A, cable type: V	2 m	M23-M8A-L2PV.16	11 12 008 0100	Dimensions: 76, 60.4, M23x1, Ø26 Pinout: 1 = BK1, 2 = GN/YE, 3 = BK2, 4 = BK3, A = BK5, B = BK6, C = BK7, D = BK8

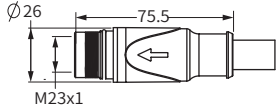
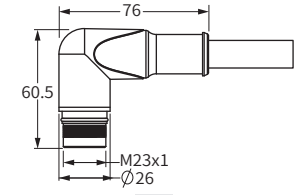
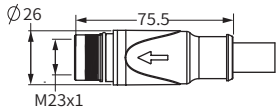
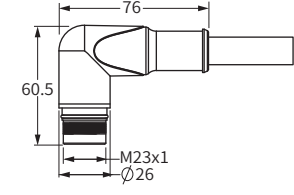
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
8-pole, straight, male, M23, with outside thread, Power/Brake: 28A/9A, cable type: V	2 m	M23-M8S-L2PV.14	11 12 008 1101	Dimensions: Ø26, 75.4, M23x1 Pinout: 1 = BK1, 2 = GN/YE, 3 = BK2, 4 = BK3, A = BK5, B = BK6, C = BK7, D = BK8
8-pole, angled, male, M23, with outside thread, Power/Brake: 28A/9A, cable type: V	2 m	M23-M8A-L2PV.14	11 12 008 0101	Dimensions: 76, 60.4, M23x1, Ø26 Pinout: 1 = BK1, 2 = GN/YE, 3 = BK2, 4 = BK3, A = BK5, B = BK6, C = BK7, D = BK8

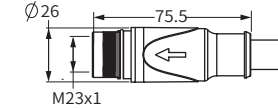
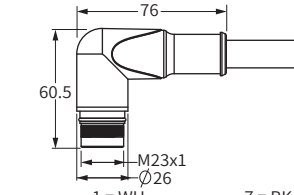
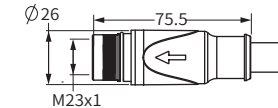
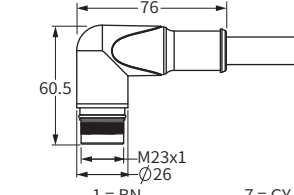
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	M23	Material(seal)	FPM/FKM
Rated current	[A] 9	Cable description	PVC-black
Rated voltage	[V] 150	Tightening torque	2 Nm
Insulation resistance	[Ω] ≥10 ⁸	Limiting temperature	[-25 ... +85 °C]
Contact resistance	[mΩ] ≤5	Degree of protection (IP)	IP67
Material(grip body)	TPU-black	Mating cycles	≥100
Material(contact)	Brass, gold plated	Pollution degree	3
Material(contact carrier)	PBT-white	Standard	IEC61076-2-101
Material(knurl)	Zinc die-cast/Nickel plated	RoHS	compliant

Technical characteristics			
Connector	M23	Material(seal)	FPM/FKM
Rated current	[A] 9	Cable description	PVC-black
Rated voltage	[V] 150	Tightening torque	2 Nm
Insulation resistance	[Ω] ≥10 ⁸	Limiting temperature	[-25 ... +85 °C]
Contact resistance	[mΩ] ≤5	Degree of protection (IP)	IP67
Material(grip body)	TPU-black	Mating cycles	≥100
Material(contact)	Brass, gold plated	Pollution degree	3
Material(contact carrier)	PBT-white	Standard	IEC61076-2-101
Material(knurl)	Zinc die-cast/Nickel plated	RoHS	compliant

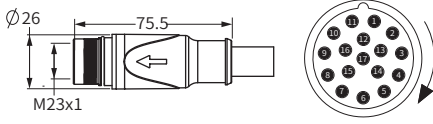
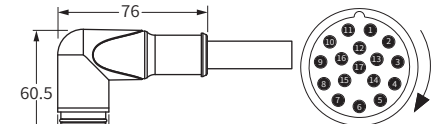
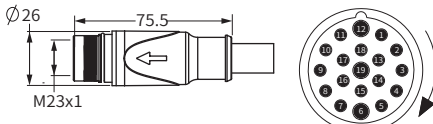
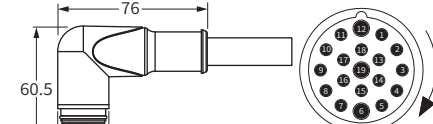
Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
12.7-pole, straight, male, M23, with outside thread, cable type: V 	2 m	MS23-M12.7S-L2V	11 12 012 1100	 M23x1 1 = WH 9 = BU 2 = GN 10 = connect with 9 3 = YE 11 = BN 4 = GY 12 = GN/YE
	5 m	MS23-M12.7S-L5V	11 12 012 1101	
	10 m	MS23-M12.7S-L10V	11 12 012 1102	
12.7-pole, angled, male, M23, with outside thread, cable type: V 	2 m	MS23-M12.7A-L2V	11 12 012 0100	 M23x1 1 = WH 9 = BU 2 = GN 10 = connect with 9 3 = YE 11 = BN 4 = GY 12 = GN/YE
	5 m	MS23-M12.7A-L5V	11 12 012 0101	
	10 m	MS23-M12.7A-L10V	11 12 012 0102	
12.9-pole, straight, male, M23, with outside thread, cable type: V 	2 m	MS23-M12.9S-L2V	11 12 012 1103	 M23x1 1 = WH 6 = RD 2 = GN 9 = BU 3 = YE 10 = connect wit 9 4 = GY 11 = BN 5 = PK 12 = GN/YE
	5 m	MS23-M12.9S-L5V	11 12 012 1104	
	10 m	MS23-M12.9S-L10V	11 12 012 1105	
12.9-pole, angled, male, M23, with outside thread, cable type: V 	2 m	MS23-M12.9A-L2V	11 12 012 0103	 M23x1 1 = WH 6 = RD 2 = GN 9 = BU 3 = YE 10 = connect wit 9 4 = GY 11 = BN 5 = PK 12 = GN/YE
	5 m	MS23-M12.9A-L5V	11 12 012 0104	
	10 m	MS23-M12.9A-L10V	11 12 012 0105	

1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
12.11-pole, straight, male, M23, with outside thread, cable type: V 	2 m	MS23-M12.11S-L2V	11 12 012 1106	 M23x1 1 = WH 7 = BK 2 = GN 8 = VT 3 = YE 9 = BU 4 = GY 10 = connect with 9 5 = PK 11 = BN 6 = RD 12 = GN/YE
	5 m	MS23-M12.11S-L5V	11 12 012 1107	
	10 m	MS23-M12.11S-L10V	11 12 012 1108	
12.11-pole, angled, male, M23, with outside thread, cable type: V 	2 m	MS23-M12.11A-L2V	11 12 012 0106	 M23x1 1 = WH 7 = BK 2 = GN 8 = VT 3 = YE 9 = BU 4 = GY 10 = connect with 9 5 = PK 11 = BN 6 = RD 12 = GN/YE
	5 m	MS23-M12.11A-L5V	11 12 012 0107	
	10 m	MS23-M12.11A-L10V	11 12 012 0108	
12-pole, straight, male, M23, with outside thread, cable type: V 	2 m	MS23-M12S-L2V	11 12 012 1109	 M23x1 1 = BN 7 = GY 2 = BU 8 = PK 3 = WH 9 = RD 4 = GN/YE 10 = BN/WH 5 = OG 11 = BU/WH 6 = YE 12 = GN/WH
	5 m	MS23-M12S-L5V	11 12 012 1110	
	10 m	MS23-M12S-L10V	11 12 012 1111	
12-pole, angled, male, M23, with outside thread, cable type: V 	2 m	MS23-M12A-L2V	11 12 012 0109	 M23x1 1 = BN 7 = GY 2 = BU 8 = PK 3 = WH 9 = RD 4 = GN/YE 10 = BN/WH 5 = OG 11 = BU/WH 6 = YE 12 = GN/WH
	5 m	MS23-M12A-L5V	11 12 012 0110	
	10 m	MS23-M12A-L10V	11 12 012 0111	

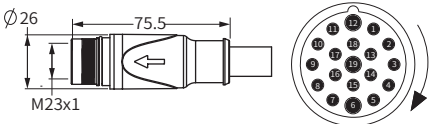
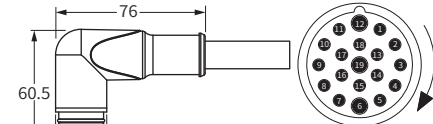
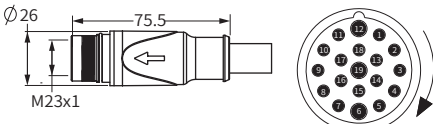
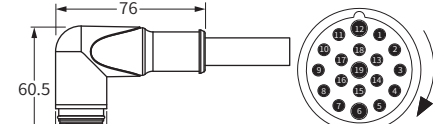
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	M23	Material(seal)	FPM/FKM
Rated current	[A] 9	Cable description	PVC-black
Rated voltage	[V] 150	Tightening torque	2 Nm
Insulation resistance	[Ω] ≥10 ⁸	Limiting temperature	[-25 ... +85
Contact resistance	[mΩ] ≤5	Degree of protection (IP)	IP67
Material(grip body)	TPU-black	Mating cycles	≥100
Material(contact)	Brass, gold plated	Pollution degree	3
Material(contact carrier)	PBT-white	Standard	IEC61076-2-101
Material(knurl)	Zinc die-cast/Nickel plated	RoHS	compliant

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
17-pole, straight, male, M23, with outside thread, cable type: V 	2 m	MS23-M17S-L2V	11 12 017 1100	 1 = BU 7 = GN 13 = YE/BN 2 = RD 8 = GY/PK 14 = BN/GN 3 = BN 9 = WH/GN 15 = WH 4 = GY 10 = WH/YE 16 = YE 5 = GN/YE 11 = WH/GY 17 = PK 6 = RD/BU 12 = BK
	5 m	MS23-M17S-L5V	11 12 017 1101	
	10 m	MS23-M17S-L10V	11 12 017 1102	
17-pole, angled, male, M23, with outside thread, cable type: V 	2 m	MS23-M17A-L2V	11 12 017 0100	 1 = BU 7 = GN 13 = YE/BN 2 = RD 8 = GY/PK 14 = BN/GN 3 = BN 9 = WH/GN 15 = WH 4 = GY 10 = WH/YE 16 = YE 5 = GN/YE 11 = WH/GY 17 = PK 6 = RD/BU 12 = BK
	5 m	MS23-M17A-L5V	11 12 017 0101	
	10 m	MS23-M17A-L10V	11 12 017 0102	
19.11-pole, straight, male, M23, with outside thread, cable type: V 	2 m	MS23-M19.11S-L2V	11 12 019 1100	 3 = GY 12 = GN/YE 4 = RD/BU 14 = BN/GN 5 = GN 15 = WH 6 = BU 16 = YE 7 = GY/PK 19 = BN 8 = WH/GN
	5 m	MS23-M19.11S-L5V	11 12 019 1101	
	10 m	MS23-M19.11S-L10V	11 12 019 1102	
19.11-pole, angled, male, M23, with outside thread, cable type: V 	2 m	MS23-M19.11A-L2V	11 12 019 0100	 3 = GY 12 = GN/YE 4 = RD/BU 14 = BN/GN 5 = GN 15 = WH 6 = BU 16 = YE 7 = GY/PK 19 = BN 8 = WH/GN
	5 m	MS23-M19.11A-L5V	11 12 019 0101	
	10 m	MS23-M19.11A-L10V	11 12 019 0102	

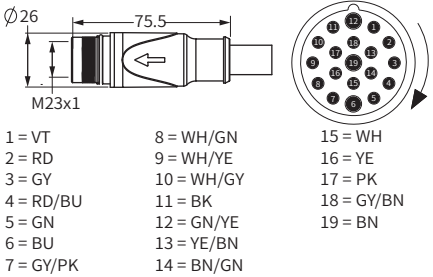
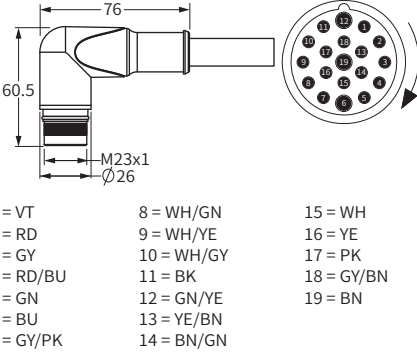
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	M23	Material(seal)	FPM/FKM
Rated current	[A] 9	Cable description	PVC-black
Rated voltage	[V] 150	Tightening torque	2 Nm
Insulation resistance	[Ω] ≥10 ⁸	Limiting temperature	[-25 ... +85
Contact resistance	[mΩ] ≤5	Degree of protection (IP)	IP67
Material(grip body)	TPU-black	Mating cycles	≥100
Material(contact)	Brass, gold plated	Pollution degree	3
Material(contact carrier)	PBT-white	Standard	IEC61076-2-101
Material(knurl)	Zinc die-cast/Nickel plated	RoHS	compliant

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
19.14-pole, straight, male, M23, with outside thread, cable type: V 	2 m	MS23-M19.14S-L2V	11 12 019 1103	 1 = WH 7 = RD 14 = BN/GN 2 = GN 8 = BK 19 = BN 3 = YE 9 = VT 4 = GY 10 = GY/PK 5 = PK 11 = RD/BU 6 = BU 13 = WH/GN
	5 m	MS23-M19.14S-L5V	11 12 019 1104	
	10 m	MS23-M19.14S-L10V	11 12 019 1105	
19.14-pole, angled, male, M23, with outside thread, cable type: V 	2 m	MS23-M19.14A-L2V	11 12 019 0103	 1 = WH 7 = RD 14 = BN/GN 2 = GN 8 = BK 19 = BN 3 = YE 9 = VT 4 = GY 10 = GY/PK 5 = PK 11 = RD/BU 6 = BU 13 = WH/GN
	5 m	MS23-M19.14A-L5V	11 12 019 0104	
	10 m	MS23-M19.14A-L10V	11 12 019 0105	
19.15-pole, straight, male, M23, with outside thread, cable type: V 	2 m	MS23-M19.15S-L2V	11 12 019 1106	 2 = RD 8 = WH/GN 16 = YE 3 = GY 9 = WH/YE 17 = PK 4 = RD/BU 12 = GN/YE 19 = BN 5 = GN 13 = YE/BN 6 = BU 14 = BN/GN 7 = GY/PK 15 = WH
	5 m	MS23-M19.15S-L5V	11 12 019 1107	
	10 m	MS23-M19.15S-L10V	11 12 019 1108	
19.15-pole, angled, male, M23, with outside thread, cable type: V 	2 m	MS23-M19.15A-L2V	11 12 019 0106	 2 = RD 8 = WH/GN 16 = YE 3 = GY 9 = WH/YE 17 = PK 4 = RD/BU 12 = GN/YE 19 = BN 5 = GN 13 = YE/BN 6 = BU 14 = BN/GN 7 = GY/PK 15 = WH
	5 m	MS23-M19.15A-L5V	11 12 019 0107	
	10 m	MS23-M19.15A-L10V	11 12 019 0108	

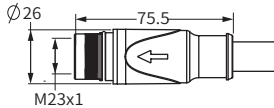
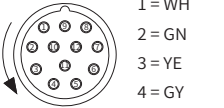
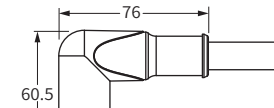
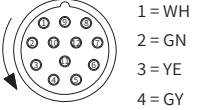
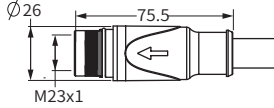
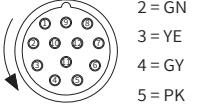
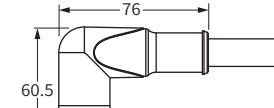
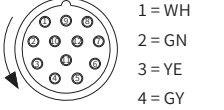
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics					
Connector		M23	Material(seal)		FPM/FKM
Rated current	[A]	9	Cable description		PVC-black
Rated voltage	[V]	150	Tightening torque		2 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature	[°C]	-25 ... +85
Contact resistance	[mΩ]	≤5	Degree of protection (IP)		IP67
Material(grip body)		TPU-black	Mating cycles		≥100
Material(contact)		Brass, gold plated	Pollution degree		3
Material(contact carrier)		PBT-white	Standard		IEC61076-2-101
Material(knurl)		Zinc die-cast/Nickel plated	RoHS		compliant

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
19-pole, straight, male, M23, with outside thread, cable type: V 	2 m	MS23-M19S-L2V	11 12 019 1109	 1 = VT 2 = RD 3 = GY 4 = RD/BU 5 = GN 6 = BU 7 = GY/PK 8 = WH/GN 9 = WH/YE 10 = WH/GY 11 = BK 12 = GN/YE 13 = YE/BN 14 = BN/GN 15 = WH 16 = YE 17 = PK 18 = GY/BN 19 = BN
	5 m	MS23-M19S-L5V	11 12 019 1110	
	10 m	MS23-M19S-L10V	11 12 019 1112	
19-pole, angled, male, M23, with outside thread, cable type: V 	2 m	MS23-M19A-L2V	11 12 019 0109	 1 = VT 2 = RD 3 = GY 4 = RD/BU 5 = GN 6 = BU 7 = GY/PK 8 = WH/GN 9 = WH/YE 10 = WH/GY 11 = BK 12 = GN/YE 13 = YE/BN 14 = BN/GN 15 = WH 16 = YE 17 = PK 18 = GY/BN 19 = BN
	5 m	MS23-M19A-L5V	11 12 019 0110	
	10 m	MS23-M19A-L10V	11 12 019 0112	

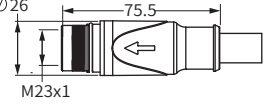
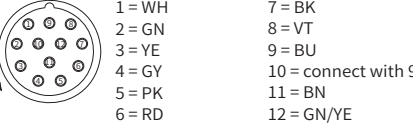
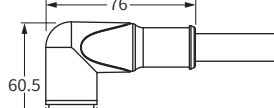
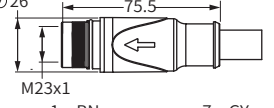
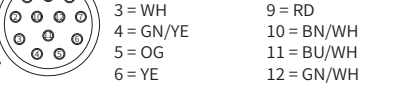
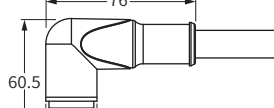
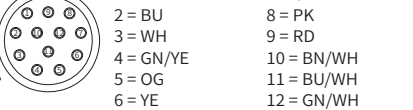
1): Cable type **U= PUR** and **UT= PUR-carrier chain** are optional, variable cable length is possible.

Technical characteristics			
Connector	M23	Material(seal)	FPM/FKM
Rated current	[A] 9	Cable description	PVC-black
Rated voltage	[V] 150	Tightening torque	2 Nm
Insulation resistance	[Ω] ≥10 ⁸	Limiting temperature	[-25 ... +85
Contact resistance	[mΩ] ≤5	Degree of protection (IP)	IP67
Material(grip body)	TPU-black	Mating cycles	≥100
Material(contact)	Brass, gold plated	Pollution degree	3
Material(contact carrier)	PBT-white	Standard	IEC61076-2-101
Material(knurl)	Zinc die-cast/Nickel plated	RoHS	compliant

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
12.7-pole, straight, female, M23, with outside thread, cable type: V 	2 m	MS23-F12.7S-L2V	11 12 012 1200	 M23x1  1 = WH 9 = BU 2 = GN 10 = connect with 9 3 = YE 11 = BN 4 = GY 12 = GN/YE
	5 m	MS23-F12.7S-L5V	11 12 012 1201	
	10 m	MS23-F12.7S-L10V	11 12 012 1202	
12.7-pole, angled, female, M23, with outside thread, cable type: V 	2 m	MS23-F12.7A-L2V	11 12 012 0200	 M23x1 60.5 76  1 = WH 9 = BU 2 = GN 10 = connect with 9 3 = YE 11 = BN 4 = GY 12 = GN/YE
	5 m	MS23-F12.7A-L5V	11 12 012 0201	
	10 m	MS23-F12.7A-L10V	11 12 012 0202	
12.9-pole, straight, female, M23, with outside thread, cable type: V 	2 m	MS23-F12.9S-L2V	11 12 012 1203	 M23x1 75.5 26  1 = WH 6 = RD 2 = GN 9 = BU 3 = YE 10 = connect wit 9 4 = GY 11 = BN 5 = PK 12 = GN/YE
	5 m	MS23-F12.9S-L5V	11 12 012 1204	
	10 m	MS23-F12.9S-L10V	11 12 012 1205	
12.9-pole, angled, female, M23, with outside thread, cable type: V 	2 m	MS23-F12.9A-L2V	11 12 012 0203	 M23x1 60.5 76 26  1 = WH 6 = RD 2 = GN 9 = BU 3 = YE 10 = connect wit 9 4 = GY 11 = BN 5 = PK 12 = GN/YE
	5 m	MS23-F12.9A-L5V	11 12 012 0204	
	10 m	MS23-F12.9A-L10V	11 12 012 0205	

1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

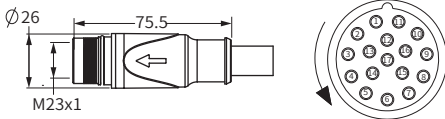
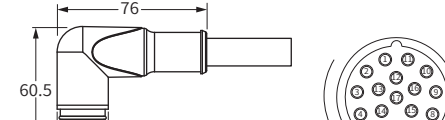
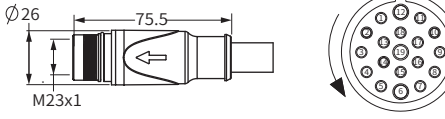
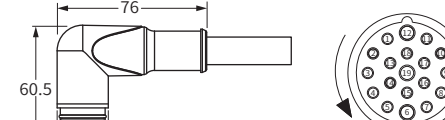
Technical characteristics			
Connector	M23	Material(seal)	FPM/FKM
Rated current	[A] 9	Cable description	PVC-black
Rated voltage	[V] 150	Tightening torque	2 Nm
Insulation resistance	[Ω] ≥10 ⁸	Limiting temperature	[-25 ... +85
Contact resistance	[mΩ] ≤5	Degree of protection (IP)	IP67
Material(grip body)	TPU-black	Mating cycles	≥100
Material(contact)	Brass, gold plated	Pollution degree	3
Material(contact carrier)	PBT-white	Standard	IEC61076-2-101
Material(knurl)	Zinc die-cast/Nickel plated	RoHS	compliant

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
12.11-pole, straight, female, M23, with outside thread, cable type: V 	2 m	MS23-F12.11S-L2V	11 12 012 1206	 M23x1  1 = WH 7 = BK 2 = GN 8 = VT 3 = YE 9 = BU 4 = GY 10 = connect with 9 5 = PK 11 = BN 6 = RD 12 = GN/YE
	5 m	MS23-F12.11S-L5V	11 12 012 1207	
	10 m	MS23-F12.11S-L10V	11 12 012 1208	
12.11-pole, angled, female, M23, with outside thread, cable type: V 	2 m	MS23-F12.11A-L2V	11 12 012 0206	 M23x1 60.5 76 26  1 = WH 7 = BK 2 = GN 8 = VT 3 = YE 9 = BU 4 = GY 10 = connect with 9 5 = PK 11 = BN 6 = RD 12 = GN/YE
	5 m	MS23-F12.11A-L5V	11 12 012 0207	
	10 m	MS23-F12.11A-L10V	11 12 012 0208	
12-pole, straight, female, M23, with outside thread, cable type: V 	2 m	MS23-F12S-L2V	11 12 012 1209	 M23x1 75.5 26  1 = BN 7 = GY 2 = BU 8 = PK 3 = WH 9 = RD 4 = GN/YE 10 = BN/WH 5 = OG 11 = BU/WH 6 = YE 12 = GN/WH
	5 m	MS23-F12S-L5V	11 12 012 1210	
	10 m	MS23-F12S-L10V	11 12 012 1211	
12-pole, angled, female, M23, with outside thread, cable type: V 	2 m	MS23-F12A-L2V	11 12 012 0209	 M23x1 60.5 76 26  1 = BN 7 = GY 2 = BU 8 = PK 3 = WH 9 = RD 4 = GN/YE 10 = BN/WH 5 = OG 11 = BU/WH 6 = YE 12 = GN/WH
	5 m	MS23-F12A-L5V	11 12 012 0210	
	10 m	MS23-F12A-L10V	11 12 012 0211	

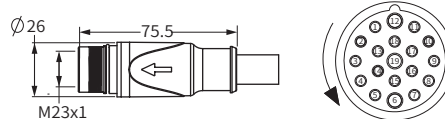
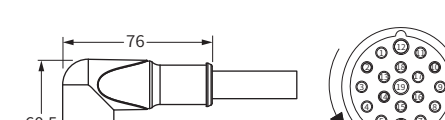
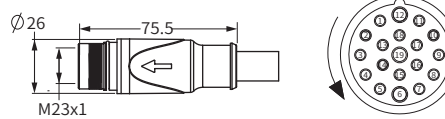
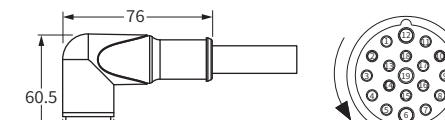
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	M23	Material(seal)	FPM/FKM
Rated current	[A] 9	Cable description	PVC-black
Rated voltage	[V] 150	Tightening torque	2 Nm
Insulation resistance	[Ω] ≥10 ⁸	Limiting temperature	[-25 ... +85 °C]
Contact resistance	[mΩ] ≤5	Degree of protection (IP)	IP67
Material(grip body)	TPU-black	Mating cycles	≥100
Material(contact)	Brass, gold plated	Pollution degree	3
Material(contact carrier)	PBT-white	Standard	IEC61076-2-101
Material(knurl)	Zinc die-cast/Nickel plated	RoHS	compliant

Technical characteristics			
Connector	M23	Material(seal)	FPM/FKM
Rated current	[A] 9	Cable description	PVC-black
Rated voltage	[V] 150	Tightening torque	2 Nm
Insulation resistance	[Ω] ≥10 ⁸	Limiting temperature	[-25 ... +85 °C]
Contact resistance	[mΩ] ≤5	Degree of protection (IP)	IP67
Material(grip body)	TPU-black	Mating cycles	≥100
Material(contact)	Brass, gold plated	Pollution degree	3
Material(contact carrier)	PBT-white	Standard	IEC61076-2-101
Material(knurl)	Zinc die-cast/Nickel plated	RoHS	compliant

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
17-pole, straight, female, M23, with outside thread, cable type: V 	2 m	MS23-F17S-L2V	11 12 017 1200	 1 = BU 7 = GN 13 = YE/BN 2 = RD 8 = GY/PK 14 = BN/GN 3 = BN 9 = WH/GN 15 = WH 4 = GY 10 = WH/YE 16 = YE 5 = GN/YE 11 = WH/GY 17 = PK 6 = RD/BU 12 = BK
	5 m	MS23-F17S-L5V	11 12 017 1201	
	10 m	MS23-F17S-L10V	11 12 017 1202	
17-pole, angled, female, M23, with outside thread, cable type: V 	2 m	MS23-F17A-L2V	11 12 017 0200	 1 = BU 7 = GN 13 = YE/BN 2 = RD 8 = GY/PK 14 = BN/GN 3 = BN 9 = WH/GN 15 = WH 4 = GY 10 = WH/YE 16 = YE 5 = GN/YE 11 = WH/GY 17 = PK 6 = RD/BU 12 = BK
	5 m	MS23-F17A-L5V	11 12 017 0201	
	10 m	MS23-F17A-L10V	11 12 017 0202	
19.11-pole, straight, female, M23, with outside thread, cable type: V 	2 m	MS23-F19.11S-L2V	11 12 019 1200	 3 = GY 12 = GN/YE 4 = RD/BU 14 = BN/GN 5 = GN 15 = WH 6 = BU 16 = YE 7 = GY/PK 19 = BN 8 = WH/GN
	5 m	MS23-F19.11S-L5V	11 12 019 1201	
	10 m	MS23-F19.11S-L10V	11 12 019 1202	
19.11-pole, angled, female, M23, with outside thread, cable type: V 	2 m	MS23-F19.11A-L2V	11 12 019 0200	 3 = GY 12 = GN/YE 4 = RD/BU 14 = BN/GN 5 = GN 15 = WH 6 = BU 16 = YE 7 = GY/PK 19 = BN 8 = WH/GN
	5 m	MS23-F19.11A-L5V	11 12 019 0201	
	10 m	MS23-F19.11A-L10V	11 12 019 0202	

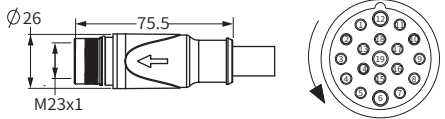
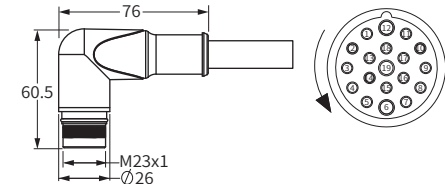
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
19.14-pole, straight, female, M23, with outside thread, cable type: V 	2 m	MS23-F19.14S-L2V	11 12 019 1203	 1 = WH 7 = RD 14 = BN/GN 2 = GN 8 = BK 19 = BN 3 = YE 9 = VT 4 = GY 10 = GY/PK 5 = PK 11 = RD/BU 6 = BU 13 = WH/GN
	5 m	MS23-F19.14S-L5V	11 12 019 1204	
	10 m	MS23-F19.14S-L10V	11 12 019 1205	
19.14-pole, angled, female, M23, with outside thread, cable type: V 	2 m	MS23-F19.14A-L2V	11 12 019 0203	 1 = WH 7 = RD 14 = BN/GN 2 = GN 8 = BK 19 = BN 3 = YE 9 = VT 4 = GY 10 = GY/PK 5 = PK 11 = RD/BU 6 = BU 13 = WH/GN
	5 m	MS23-F19.14A-L5V	11 12 019 0204	
	10 m	MS23-F19.14A-L10V	11 12 019 0205	
19.15-pole, straight, female, M23, with outside thread, cable type: V 	2 m	MS23-F19.15S-L2V	11 12 019 1206	 2 = RD 8 = WH/GN 16 = YE 3 = GY 9 = WH/YE 17 = PK 4 = RD/BU 12 = GN/YE 19 = BN 5 = GN 13 = YE/BN 6 = BU 14 = BN/GN 7 = GY/PK 15 = WH
	5 m	MS23-F19.15S-L5V	11 12 019 1207	
	10 m	MS23-F19.15S-L10V	11 12 019 1208	
19.15-pole, angled, female, M23, with outside thread, cable type: V 	2 m	MS23-F19.15A-L2V	11 12 019 0206	 2 = RD 8 = WH/GN 16 = YE 3 = GY 9 = WH/YE 17 = PK 4 = RD/BU 12 = GN/YE 19 = BN 5 = GN 13 = YE/BN 6 = BU 14 = BN/GN 7 = GY/PK 15 = WH
	5 m	MS23-F19.15A-L5V	11 12 019 0207	
	10 m	MS23-F19.15A-L10V	11 12 019 0208	

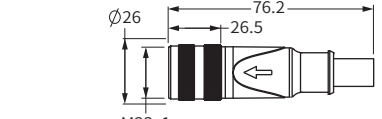
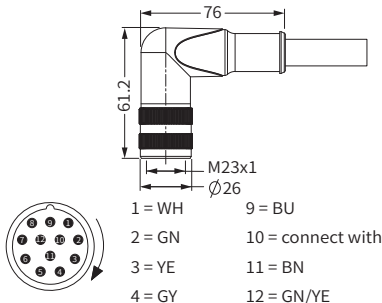
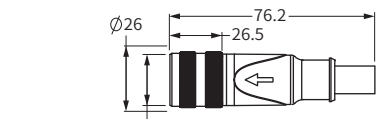
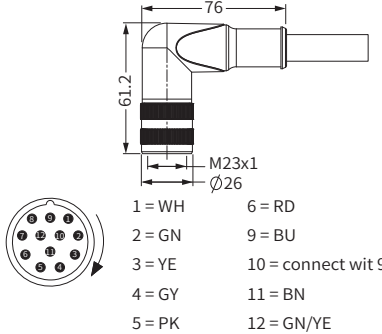
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	M23	Material(seal)	FPM/FKM
Rated current	[A] 9	Cable description	PVC-black
Rated voltage	[V] 150	Tightening torque	2 Nm
Insulation resistance	[Ω] ≥10 ⁸	Limiting temperature	[-25 ... +85 °C]
Contact resistance	[mΩ] ≤5	Degree of protection (IP)	IP67
Material(grip body)	TPU-black	Mating cycles	≥100
Material(contact)	Brass, gold plated	Pollution degree	3
Material(contact carrier)	PBT-white	Standard	IEC61076-2-101
Material(knurl)	Zinc die-cast/Nickel plated	RoHS	compliant

Technical characteristics			
Connector	M23	Material(seal)	FPM/FKM
Rated current	[A] 9	Cable description	PVC-black
Rated voltage	[V] 150	Tightening torque	2 Nm
Insulation resistance	[Ω] ≥10 ⁸	Limiting temperature	[-25 ... +85 °C]
Contact resistance	[mΩ] ≤5	Degree of protection (IP)	IP67
Material(grip body)	TPU-black	Mating cycles	≥100
Material(contact)	Brass, gold plated	Pollution degree	3
Material(contact carrier)	PBT-white	Standard	IEC61076-2-101
Material(knurl)	Zinc die-cast/Nickel plated	RoHS	compliant

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
19-pole, straight, female, M23, with outside thread, cable type: V 	2 m	MS23-F19S-L2V	11 12 019 1209	 1 = VT 8 = WH/GN 15 = WH 2 = RD 9 = WH/YE 16 = YE 3 = GY 10 = WH/GY 17 = PK 4 = RD/BU 11 = BK 18 = GY/BN 5 = GN 12 = GN/YE 19 = BN 6 = BU 13 = YE/BN 7 = GY/PK 14 = BN/GN
	5 m	MS23-F19S-L5V	11 12 019 1210	
	10 m	MS23-F19S-L10V	11 12 019 1212	
19-pole, angled, female, M23, with outside thread, cable type: V 	2 m	MS23-F19A-L2V	11 12 019 0209	 1 = VT 8 = WH/GN 15 = WH 2 = RD 9 = WH/YE 16 = YE 3 = GY 10 = WH/GY 17 = PK 4 = RD/BU 11 = BK 18 = GY/BN 5 = GN 12 = GN/YE 19 = BN 6 = BU 13 = YE/BN 7 = GY/PK 14 = BN/GN
	5 m	MS23-F19A-L5V	11 12 019 0210	
	10 m	MS23-F19A-L10V	11 12 019 0212	

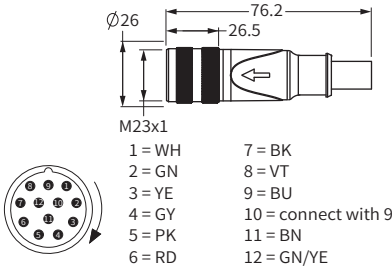
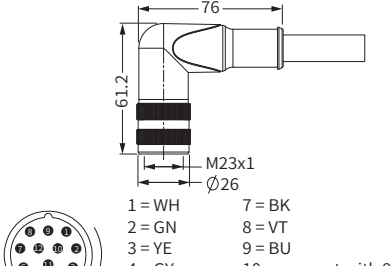
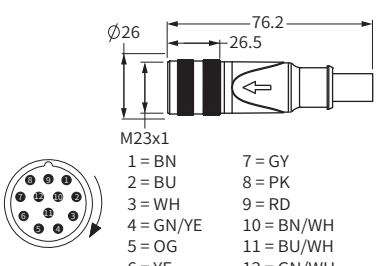
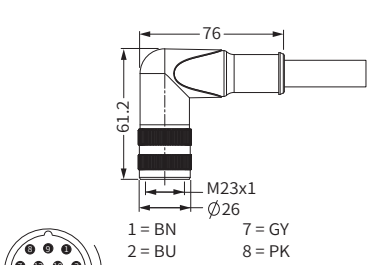
1): Cable type U= PUR and UT= PUR-carrier chain are optional, variable cable length is possible.

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
12.7-pole, straight, male, M23, with coupling nut, cable type: V 	2 m	MN23-M12.7S-L2V	11 12 012 1112	 1 = WH 9 = BU 2 = GN 10 = connect with 9 3 = YE 11 = BN 4 = GY 12 = GN/YE
	5 m	MN23-M12.7S-L5V	11 12 012 1113	
	10 m	MN23-M12.7S-L10V	11 12 012 1114	
12.7-pole, angled, male, M23, with coupling nut, cable type: V 	2 m	MN23-M12.7A-L2V	11 12 012 0112	 1 = WH 9 = BU 2 = GN 10 = connect with 9 3 = YE 11 = BN 4 = GY 12 = GN/YE
	5 m	MN23-M12.7A-L5V	11 12 012 0113	
	10 m	MN23-M12.7A-L10V	11 12 012 0114	
12.9-pole, straight, male, M23, with coupling nut, cable type: V 	2 m	MN23-M12.9S-L2V	11 12 012 1115	 1 = WH 6 = RD 2 = GN 9 = BU 3 = YE 10 = connect wit 9 4 = GY 11 = BN 5 = PK 12 = GN/YE
	5 m	MN23-M12.9S-L5V	11 12 012 1116	
	10 m	MN23-M12.9S-L10V	11 12 012 1117	
12.9-pole, angled, male, M23, with coupling nut, cable type: V 	2 m	MN23-M12.9A-L2V	11 12 012 0115	 1 = WH 6 = RD 2 = GN 9 = BU 3 = YE 10 = connect wit 9 4 = GY 11 = BN 5 = PK 12 = GN/YE
	5 m	MN23-M12.9A-L5V	11 12 012 0116	
	10 m	MN23-M12.9A-L10V	11 12 012 0117	

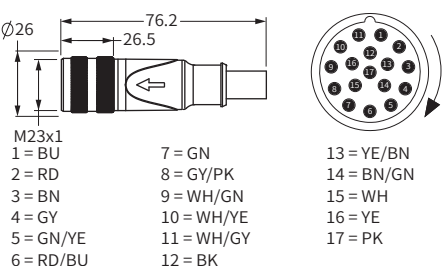
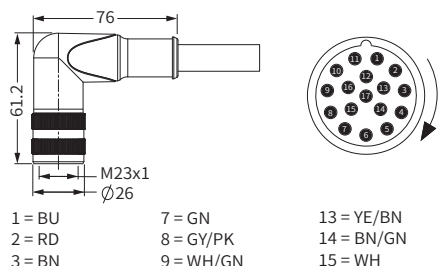
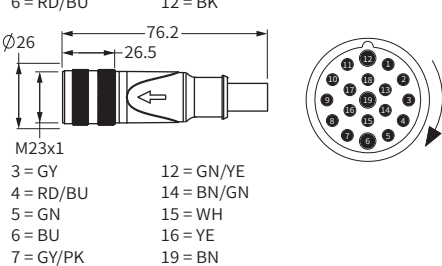
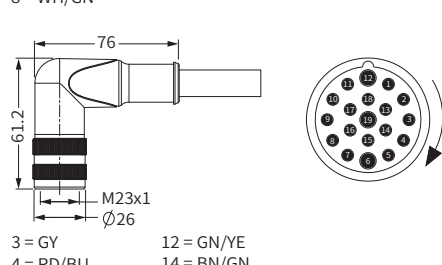
1): Cable type U= PUR and UT= PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics				
Connector		M23	Material(seal)	FPM/FKM
Rated current	[A]	9	Cable description	PVC-black
Rated voltage	[V]	150	Tightening torque	2 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature	[°C] -25 ... +85
Contact resistance	[mΩ]	≤5	Degree of protection (IP)	IP67
Material(grip body)		TPU-black	Mating cycles	≥100
Material(contact)		Brass, gold plated	Pollution degree	3
Material(contact carrier)		PBT-white	Standard	IEC61076-2-101
Material(knurl)		Zinc die-cast/Nickel plated	RoHS	compliant

Technical characteristics				
Connector		M23	Material(seal)	FPM/FKM
Rated current	[A]	9	Cable description	PVC-black
Rated voltage	[V]	150	Tightening torque	2 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature	[°C] -25 ... +85
Contact resistance	[mΩ]	≤5	Degree of protection (IP)	IP67
Material(grip body)		TPU-black	Mating cycles	≥100
Material(contact)		Brass, gold plated	Pollution degree	3
Material(contact carrier)		PBT-white	Standard	IEC61076-2-101
Material(knurl)		Zinc die-cast/Nickel plated	RoHS	compliant

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
12.11-pole, straight, male, M23, with coupling nut, cable type: V 	2 m	MN23-M12.11S-L2V	11 12 012 1118	 M23x1 1 = WH 7 = BK 2 = GN 8 = VT 3 = YE 9 = BU 4 = GY 10 = connect with 9 5 = PK 11 = BN 6 = RD 12 = GN/YE
	5 m	MN23-M12.11S-L5V	11 12 012 1119	
	10 m	MN23-M12.11S-L10V	11 12 012 1120	
12.11-pole, angled, male, M23, with coupling nut, cable type: V 	2 m	MN23-M12.11A-L2V	11 12 012 0118	 M23x1 1 = WH 7 = BK 2 = GN 8 = VT 3 = YE 9 = BU 4 = GY 10 = connect with 9 5 = PK 11 = BN 6 = RD 12 = GN/YE
	5 m	MN23-M12.11A-L5V	11 12 012 0119	
	10 m	MN23-M12.11A-L10V	11 12 012 0120	
12-pole, straight, male, M23, with coupling nut, cable type: V 	2 m	MN23-M12S-L2V	11 12 012 1121	 M23x1 1 = BN 7 = GY 2 = BU 8 = PK 3 = WH 9 = RD 4 = GN/YE 10 = BN/WH 5 = OG 11 = BU/WH 6 = YE 12 = GN/WH
	5 m	MN23-M12S-L5V	11 12 012 1122	
	10 m	MN23-M12S-L10V	11 12 012 1123	
12-pole, angled, male, M23, with coupling nut, cable type: V 	2 m	MN23-M12A-L2V	11 12 012 0121	 M23x1 1 = BN 7 = GY 2 = BU 8 = PK 3 = WH 9 = RD 4 = GN/YE 10 = BN/WH 5 = OG 11 = BU/WH 6 = YE 12 = GN/WH
	5 m	MN23-M12A-L5V	11 12 012 0122	
	10 m	MN23-M12A-L10V	11 12 012 0123	

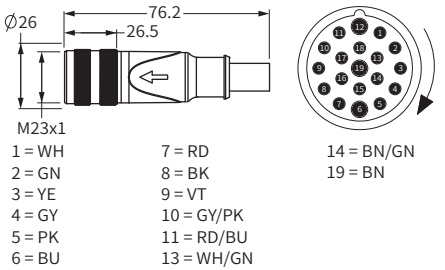
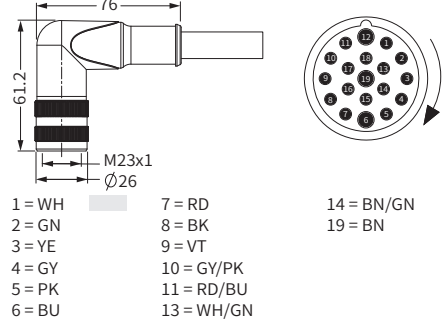
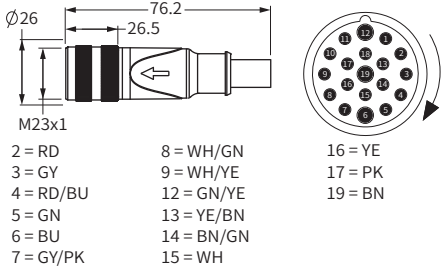
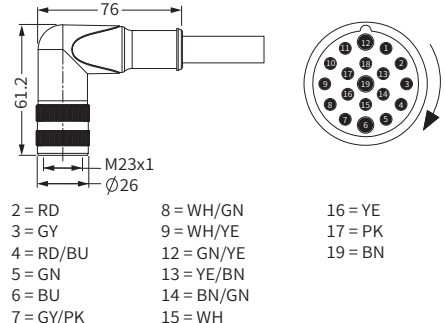
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
17-pole, straight, male, M23, with coupling nut, cable type: V 	2 m	MN23-M17S-L2V	11 12 017 1103	 M23x1 1 = BU 7 = GN 13 = YE/BN 2 = RD 8 = GY/PK 14 = BN/GN 3 = BN 9 = WH/GN 15 = WH 4 = GY 10 = WH/YE 16 = YE 5 = GN/YE 11 = WH/GY 17 = PK 6 = RD/BU 12 = BK
	5 m	MN23-M17S-L5V	11 12 017 1104	
	10 m	MN23-M17S-L10V	11 12 017 1105	
17-pole, angled, male, M23, with coupling nut, cable type: V 	2 m	MN23-M17A-L2V	11 12 017 0103	 M23x1 1 = BU 7 = GN 13 = YE/BN 2 = RD 8 = GY/PK 14 = BN/GN 3 = BN 9 = WH/GN 15 = WH 4 = GY 10 = WH/YE 16 = YE 5 = GN/YE 11 = WH/GY 17 = PK 6 = RD/BU 12 = BK
	5 m	MN23-M17A-L5V	11 12 017 0104	
	10 m	MN23-M17A-L10V	11 12 017 0105	
19.11-pole, straight, male, M23, with coupling nut, cable type: V 	2 m	MN23-M19.11S-L2V	11 12 019 1113	 M23x1 3 = GY 12 = GN/YE 4 = RD/BU 14 = BN/GN 5 = GN 15 = WH 6 = BU 16 = YE 7 = GY/PK 19 = BN 8 = WH/GN
	5 m	MN23-M19.11S-L5V	11 12 019 1114	
	10 m	MN23-M19.11S-L10V	11 12 019 1115	
19.11-pole, angled, male, M23, with coupling nut, cable type: V 	2 m	MN23-M19.11A-L2V	11 12 019 0113	 M23x1 3 = GY 12 = GN/YE 4 = RD/BU 14 = BN/GN 5 = GN 15 = WH 6 = BU 16 = YE 7 = GY/PK 19 = BN 8 = WH/GN
	5 m	MN23-M19.11A-L5V	11 12 019 0114	
	10 m	MN23-M19.11A-L10V	11 12 019 0115	

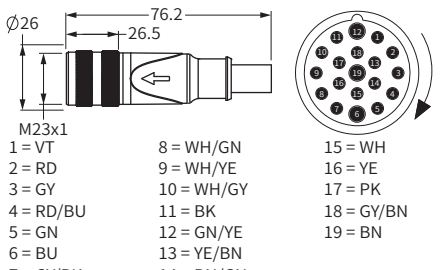
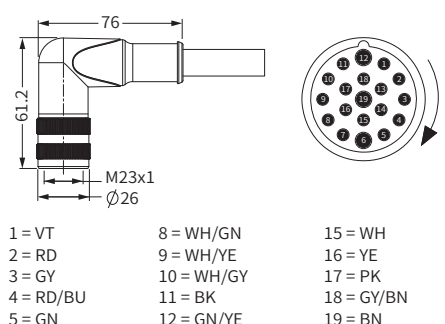
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Technical characteristics			
Connector	M23	Material(seal)	FPM/FKM
Rated current	[A] 9	Cable description	PVC-black
Rated voltage	[V] 150	Tightening torque	2 Nm
Insulation resistance	[Ω] ≥10 ⁸	Limiting temperature	[°C] -25 ... +85
Contact resistance	[mΩ] ≤5	Degree of protection (IP)	IP67
Material(grip body)	TPU-black	Mating cycles	≥100
Material(contact)	Brass, gold plated	Pollution degree	3
Material(contact carrier)	PBT-white	Standard	IEC61076-2-101
Material(knurl)	Zinc die-cast/Nickel plated	RoHS	compliant

Technical characteristics			
Connector	M23	Material(seal)	FPM/FKM
Rated current	[A] 9	Cable description	PVC-black
Rated voltage	[V] 150	Tightening torque	2 Nm
Insulation resistance	[Ω] ≥10 ⁸	Limiting temperature	[°C] -25 ... +85
Contact resistance	[mΩ] ≤5	Degree of protection (IP)	IP67
Material(grip body)	TPU-black	Mating cycles	≥100
Material(contact)	Brass, gold plated	Pollution degree	3
Material(contact carrier)	PBT-white	Standard	IEC61076-2-101
Material(knurl)	Zinc die-cast/Nickel plated	RoHS	compliant

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
19.14-pole, straight, male, M23, with coupling nut, cable type: V 	2 m	MN23-M19.14S-L2V	11 12 019 1116	 Ø26 76.2 26.5 M23x1 1 = WH 7 = RD 14 = BN/GN 2 = GN 8 = BK 19 = BN 3 = YE 9 = VT 4 = GY 10 = GY/PK 5 = PK 11 = RD/BU 6 = BU 13 = WH/GN
	5 m	MN23-M19.14S-L5V	11 12 019 1117	
	10 m	MN23-M19.14S-L10V	11 12 019 1118	
19.14-pole, angled, male, M23, with coupling nut, cable type: V 	2 m	MN23-M19.14A-L2V	11 12 019 0116	 76 61.2 M23x1 Ø26 1 = WH 7 = RD 14 = BN/GN 2 = GN 8 = BK 19 = BN 3 = YE 9 = VT 4 = GY 10 = GY/PK 5 = PK 11 = RD/BU 6 = BU 13 = WH/GN
	5 m	MN23-M19.14A-L5V	11 12 019 0117	
	10 m	MN23-M19.14A-L10V	11 12 019 0118	
19.15-pole, straight, male, M23, with coupling nut, cable type: V 	2 m	MN23-M19.15S-L2V	11 12 019 1119	 Ø26 76.2 26.5 M23x1 2 = RD 8 = WH/GN 16 = YE 3 = GY 9 = WH/YE 17 = PK 4 = RD/BU 12 = GN/YE 19 = BN 5 = GN 13 = YE/BN 6 = BU 14 = BN/GN 7 = GY/PK 15 = WH
	5 m	MN23-M19.15S-L5V	11 12 019 1120	
	10 m	MN23-M19.15S-L10V	11 12 019 1121	
19.15-pole, angled, male, M23, with coupling nut, cable type: V 	2 m	MN23-M19.15A-L2V	11 12 019 0119	 76 61.2 M23x1 Ø26 2 = RD 8 = WH/GN 16 = YE 3 = GY 9 = WH/YE 17 = PK 4 = RD/BU 12 = GN/YE 19 = BN 5 = GN 13 = YE/BN 6 = BU 14 = BN/GN 7 = GY/PK 15 = WH
	5 m	MN23-M19.15A-L5V	11 12 019 0120	
	10 m	MN23-M19.15A-L10V	11 12 019 0121	

1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Identification	Cable length ¹⁾	Type	Part number	Drawing (dimensions in mm)
19-pole, straight, male, M23, with coupling nut, cable type: V 	2 m	MN23-M19S-L2V	11 12 019 1122	 Ø26 76.2 26.5 M23x1 1 = VT 8 = WH/GN 15 = WH 2 = RD 9 = WH/YE 16 = YE 3 = GY 10 = WH/GY 17 = PK 4 = RD/BU 11 = BK 18 = GY/BN 5 = GN 12 = GN/YE 19 = BN 6 = BU 13 = YE/BN 7 = GY/PK 14 = BN/GN
	5 m	MN23-M19S-L5V	11 12 019 1123	
	10 m	MN23-M19S-L10V	11 12 019 1124	
19-pole, angled, male, M23, with coupling nut, cable type: V 	2 m	MN23-M19A-L2V	11 12 019 0122	 76 61.2 M23x1 Ø26 1 = VT 8 = WH/GN 15 = WH 2 = RD 9 = WH/YE 16 = YE 3 = GY 10 = WH/GY 17 = PK 4 = RD/BU 11 = BK 18 = GY/BN 5 = GN 12 = GN/YE 19 = BN 6 = BU 13 = YE/BN 7 = GY/PK 14 = BN/GN
	5 m	MN23-M19A-L5V	11 12 019 0123	
	10 m	MN23-M19A-L10V	11 12 019 0124	

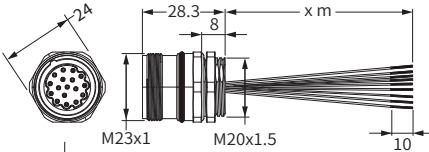
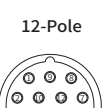
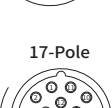
1): Cable type U= PUR and UT=PUR-carrier chain are optional, variable cable length is possible.

Sensor-Actuator Receptacles, front mounting, with outside thread, 12-17 poles, female

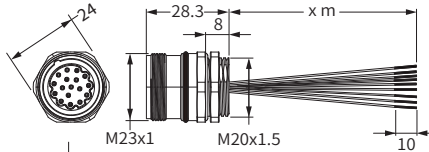
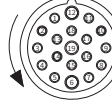
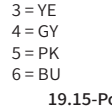
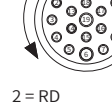
Sensor-Actuator Receptacles, front mounting, with outside thread, 19 poles, female

Technical characteristics			
Connector	M23	Material(seal)	FPM/FKM
Rated current	[A] 9	Tightening torque	2 Nm
Rated voltage	[V] 150	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	Brass, nickel plated	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	PBT-white	RoHS	compliant
Material(knurl)	Brass, nickel plated		

Technical characteristics			
Connector	M23	Material(seal)	FPM/FKM
Rated current	[A] 9	Tightening torque	2 Nm
Rated voltage	[V] 150	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	Brass, nickel plated	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	PBT-white	RoHS	compliant
Material(knurl)	Brass, nickel plated		

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Receptacles, with wire ends¹⁾, font mounting, female, with outside thread, individual wires 	12.7-Pole	MS23-F12.7F-L0.5M20	11 12 012 3200	 12.7-Pole  1 = WH 9 = BU 2 = GN 10 = connect with 9 3 = YE 11 = BN 4 = GY 12 = GN/YE 12.9-Pole  1 = WH 6 = RD 2 = GN 9 = BU 3 = YE 10 = connect wit 9 4 = GY 11 = BN 5 = PK 12 = GN/YE 12.11-Pole  1 = WH 7 = BK 2 = GN 8 = VT 3 = YE 9 = BU 4 = GY 10 = connect with 9 5 = PK 11 = BN 6 = RD 12 = GN/YE 12-Pole  1 = BN 7 = GY 2 = BU 8 = PK 3 = WH 9 = RD 4 = GN/YE 10 = BN/WH 5 = OG 11 = BU/WH 6 = YE 12 = GN/WH 17-Pole  1 = BU 7 = GN 13 = YE/BN 2 = RD 8 = GY/PK 14 = BN/GN 3 = BN 9 = WH/GN 15 = WH 4 = GY 10 = WH/YE 16 = YE 5 = GN/YE 11 = WH/GY 17 = PK 6 = RD/BU 12 = BK
	12.9-Pole	MS23-F12.9F-L0.5M20	11 12 012 3201	
	12.11-Pole	MS23-F12.11F-L0.5M20	11 12 012 3202	
	12-Pole	MS23-F12F-L0.5M20	11 12 012 3203	
	17-Pole	MS23-F17F-L0.5M20	11 12 017 3200	

1): Standard cable length is 0.5m, variable cable length is optional.

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Receptacles, with wire ends¹⁾, font mounting, female, with outside thread, individual wires 	19.11-Pole	MS23-F19.11F-L0.5M20	11 12 019 3200	 19.11-Pole  3 = GY 12 = GN/YE 4 = RD/BU 14 = BN/GN 5 = GN 15 = WH 6 = BU 16 = YE 7 = GY/PK 19 = BN 8 = WH/GN 19.14-Pole  1 = WH 7 = RD 14 = BN/GN 2 = GN 8 = BK 19 = BN 3 = YE 9 = VT 4 = GY 10 = GY/PK 5 = PK 11 = RD/BU 6 = BU 13 = WH/GN 19.15-Pole  2 = RD 8 = WH/GN 16 = YE 3 = GY 9 = WH/YE 17 = PK 4 = RD/BU 12 = GN/YE 19 = BN 5 = GN 13 = YE/BN 6 = BU 14 = BN/GN 7 = GY/PK 15 = WH 19-Pole  1 = VT 8 = WH/GN 15 = WH 2 = RD 9 = WH/YE 16 = YE 3 = GY 10 = WH/GY 17 = PK 4 = RD/BU 11 = BK 18 = GY/BN 5 = GN 12 = GN/YE 19 = BN 6 = BU 13 = YE/BN 7 = GY/PK 14 = BN/GN
	19.14-Pole	MS23-F19.14F-L0.5M20	11 12 019 3201	
	19.15-Pole	MS23-F19.15F-L0.5M20	11 12 019 3202	
	19-Pole	MS23-F19F-L0.5M20	11 12 019 3203	

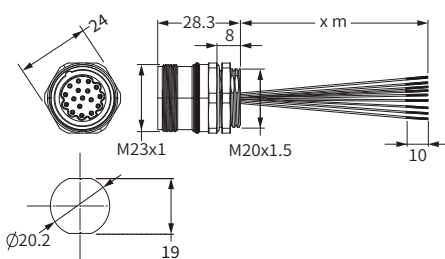
1): Standard cable length is 0.5m, variable cable length is optional.

Sensor-Actuator Receptacles, front mounting, with outside thread, 12-17 poles, male

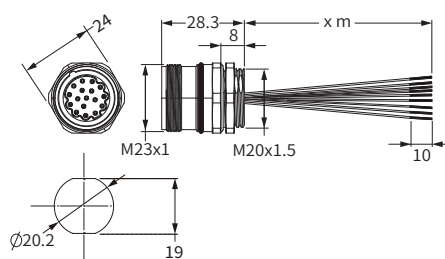
Sensor-Actuator Receptacles, front mounting, with outside thread, 19 poles, male

Technical characteristics			
Connector	M23	Material(seal)	FPM/FKM
Rated current	[A] 9	Tightening torque	2 Nm
Rated voltage	[V] 150	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	Brass, nickel plated	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	PBT-white	RoHS	compliant
Material(knurl)	Brass, nickel plated		

Technical characteristics			
Connector	M23	Material(seal)	FPM/FKM
Rated current	[A] 9	Tightening torque	2 Nm
Rated voltage	[V] 150	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω] ≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ] ≤5	Mating cycles	≥100
Material(grip body)	Brass, nickel plated	Pollution degree	3
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)	PBT-white	RoHS	compliant
Material(knurl)	Brass, nickel plated		

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Receptacles, with wire ends ¹⁾ , font mounting, male, with outside thread, individual wires	12.7-Pole	MS23-M12.7F-L0.5M20	11 12 012 3100	 12.7-Pole 1 = WH 9 = BU 2 = GN 10 = connect with 9 3 = YE 11 = BN 4 = GY 12 = GN/YE 12.9-Pole 1 = WH 6 = RD 2 = GN 9 = BU 3 = YE 10 = connect wit 9 4 = GY 11 = BN 5 = PK 12 = GN/YE 12.11-Pole 1 = WH 7 = BK 2 = GN 8 = VT 3 = YE 9 = BU 4 = GY 10 = connect with 9 5 = PK 11 = BN 6 = RD 12 = GN/YE 12-Pole 1 = BN 7 = GY 2 = BU 8 = PK 3 = WH 9 = RD 4 = GN/YE 10 = BN/WH 5 = OG 11 = BU/WH 6 = YE 12 = GN/WH 17-Pole 1 = BU 7 = GN 13 = YE/BN 2 = RD 8 = GY/PK 14 = BN/GN 3 = BN 9 = WH/GN 15 = WH 4 = GY 10 = WH/YE 16 = YE 5 = GN/YE 11 = WH/GY 17 = PK 6 = RD/BU 12 = BK
	12.9-Pole	MS23-M12.9F-L0.5M20	11 12 012 3101	
	12.11-Pole	MS23-M12.11F-L0.5M20	11 12 012 3102	
	12-Pole	MS23-M12F-L0.5M20	11 12 012 3103	
	17-Pole	MS23-M17F-L0.5M20	11 12 017 3100	

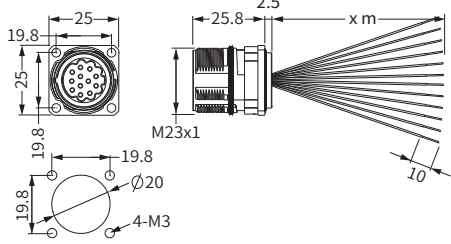
1): Standard cable length is 0.5m, variable cable length is optional.

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Receptacles, with wire ends ¹⁾ , font mounting, male, with outside thread, individual wires	19.11-Pole	MS23-M19.11F-L0.5M20	11 12 019 3100	 19.11-Pole 3 = GY 12 = GN/YE 4 = RD/BU 14 = BN/GN 5 = GN 15 = WH 6 = BU 16 = YE 7 = GY/PK 19 = BN 8 = WH/GN 19.14-Pole 1 = WH 7 = RD 14 = BN/GN 2 = GN 8 = BK 19 = BN 3 = YE 9 = VT 4 = GY 10 = GY/PK 5 = PK 11 = RD/BU 6 = BU 13 = WH/GN 19.15-Pole 2 = RD 8 = WH/GN 16 = YE 3 = GY 9 = WH/YE 17 = PK 4 = RD/BU 12 = GN/YE 19 = BN 5 = GN 13 = YE/BN 6 = BU 14 = BN/GN 7 = GY/PK 15 = WH 19-Pole 1 = VT 8 = WH/GN 15 = WH 2 = RD 9 = WH/YE 16 = YE 3 = GY 10 = WH/GY 17 = PK 4 = RD/BU 11 = BK 18 = GY/BN 5 = GN 12 = GN/YE 19 = BN 6 = BU 13 = YE/BN 7 = GY/PK 14 = BN/GN
	19.14-Pole	MS23-M19.14F-L0.5M20	11 12 019 3101	
	19.15-Pole	MS23-M19.15F-L0.5M20	11 12 019 3102	
	19-Pole	MS23-M19F-L0.5M20	11 12 019 3103	

1): Standard cable length is 0.5m, variable cable length is optional.

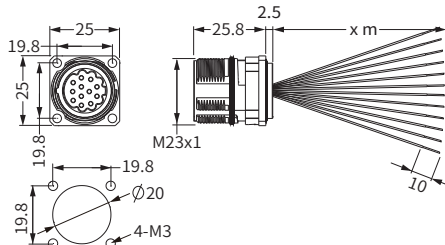
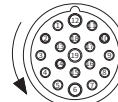
Technical characteristics				
Connector		M23	Material(seal)	FPM/FKM
Rated current	[A]	9	Tightening torque	2 Nm
Rated voltage	[V]	150	Limiting temperature	[°C] -25 ... +85
Insulation resistance	[Ω]	≥10 ⁸	Degree of protection (IP)	IP67
Contact resistance	[mΩ]	≤5	Mating cycles	≥100
Material(grip body)		Brass, nickel plated	Pollution degree	3
Material(contact)		Brass, gold plated	Standard	IEC61076-2-101
Material(contact carrier)		PBT-white	RoHS	compliant
Material(knurl)		Brass, nickel plated		

Technical characteristics				
Connector			M23	
Rated current	[A]	9	Material(seal)	FPM/FKM
Rated voltage	[V]	150	Tightening torque	2 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature	[°C] -25 ... +85
Contact resistance	[mΩ]	≤5	Degree of protection (IP)	IP67
Material(grip body)		Brass, nickel plated	Mating cycles	≥100
Material(contact)		Brass, gold plated	Pollution degree	3
Material(contact carrier)		PBT-white	Standard	IEC61076-2-101
Material(knurl)		Brass, nickel plated	RoHS	compliant

Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Receptacles, with wire ends¹⁾, font mounting, female, with outside thread, RS19.8, individual wires 	12.7-Pole	MS23-F12.7F-L0.5RS19.8	11 12 012 3204	 12.7-Pole 1 = WH 9 = BU 2 = GN 10 = connect with 9 3 = YE 11 = BN 4 = GY 12 = GN/YE 12.9-Pole 1 = WH 6 = RD 2 = GN 9 = BU 3 = YE 10 = connect wit 9 4 = GY 11 = BN 5 = PK 12 = GN/YE 12.11-Pole 1 = WH 7 = BK 2 = GN 8 = VT 3 = YE 9 = BU 4 = GY 10 = connect with 9 5 = PK 11 = BN 6 = RD 12 = GN/YE 12-Pole 1 = BN 7 = GY 2 = BU 8 = PK 3 = WH 9 = RD 4 = GN/YE 10 = BN/WH 5 = OG 11 = BU/WH 6 = YE 12 = GN/WH 17-Pole 1 = BU 7 = GN 13 = YE/BN 2 = RD 8 = GY/PK 14 = BN/GN 3 = BN 9 = WH/GN 15 = WH 4 = GY 10 = WH/YE 16 = YE 5 = GN/YE 11 = WH/GY 17 = PK 6 = RD/BU 12 = BK
	12.9-Pole	MS23-F12.9F-L0.5RS19.8	11 12 012 3205	
	12.11-Pole	MS23-F12.11F-L0.5RS19.8	11 12 012 3206	
	12-Pole	MS23-F12F-L0.5RS19.8	11 12 012 3207	
	17-Pole	MS23-F17F-L0.5RS19.8	11 12 017 3201	

1): Standard cable length is 0.5m, variable cable length is optional.

1): Standard cable length is 0.5m, variable cable length is optional.

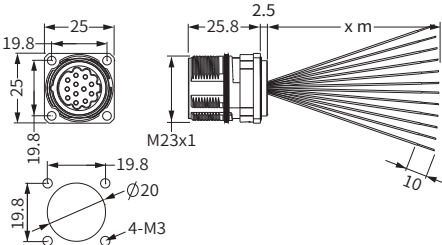
Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)																																																																					
Receptacles, with wire ends ¹⁾ , font mounting, female, with outside thread, RS19.8, individual wires 	19.11-Pole	MS23-F19.11F-L0.5RS19.8	11 12 019 3204	 19.11-Pole <table><tr><td>3 = GY</td><td>12 = GN/YE</td></tr><tr><td>4 = RD/BU</td><td>14 = BN/GN</td></tr><tr><td>5 = GN</td><td>15 = WH</td></tr><tr><td>6 = BU</td><td>16 = YE</td></tr><tr><td>7 = GY/PK</td><td>19 = BN</td></tr><tr><td>8 = WH/GN</td><td></td></tr></table> 19.14-Pole  <table><tr><td>1 = WH</td><td>7 = RD</td><td>14 = BN/GN</td></tr><tr><td>2 = GN</td><td>8 = BK</td><td>19 = BN</td></tr><tr><td>3 = YE</td><td>9 = VT</td><td></td></tr><tr><td>4 = GY</td><td>10 = GY/PK</td><td></td></tr><tr><td>5 = PK</td><td>11 = RD/BU</td><td></td></tr><tr><td>6 = BU</td><td>13 = WH/GN</td><td></td></tr></table> 19.15-Pole  <table><tr><td>2 = RD</td><td>8 = WH/GN</td><td>16 = YE</td></tr><tr><td>3 = GY</td><td>9 = WH/YE</td><td>17 = PK</td></tr><tr><td>4 = RD/BU</td><td>12 = GN/YE</td><td>19 = BN</td></tr><tr><td>5 = GN</td><td>13 = YE/BN</td><td></td></tr><tr><td>6 = BU</td><td>14 = BN/GN</td><td></td></tr><tr><td>7 = GY/PK</td><td>15 = WH</td><td></td></tr></table> 19-Pole  <table><tr><td>1 = VT</td><td>8 = WH/GN</td><td>15 = WH</td></tr><tr><td>2 = RD</td><td>9 = WH/YE</td><td>16 = YE</td></tr><tr><td>3 = GY</td><td>10 = WH/GY</td><td>17 = PK</td></tr><tr><td>4 = RD/BU</td><td>11 = BK</td><td>18 = GY/BN</td></tr><tr><td>5 = GN</td><td>12 = GN/YE</td><td>19 = BN</td></tr><tr><td>6 = BU</td><td>13 = YE/BN</td><td></td></tr><tr><td>7 = GY/PK</td><td>14 = BN/GN</td><td></td></tr></table>	3 = GY	12 = GN/YE	4 = RD/BU	14 = BN/GN	5 = GN	15 = WH	6 = BU	16 = YE	7 = GY/PK	19 = BN	8 = WH/GN		1 = WH	7 = RD	14 = BN/GN	2 = GN	8 = BK	19 = BN	3 = YE	9 = VT		4 = GY	10 = GY/PK		5 = PK	11 = RD/BU		6 = BU	13 = WH/GN		2 = RD	8 = WH/GN	16 = YE	3 = GY	9 = WH/YE	17 = PK	4 = RD/BU	12 = GN/YE	19 = BN	5 = GN	13 = YE/BN		6 = BU	14 = BN/GN		7 = GY/PK	15 = WH		1 = VT	8 = WH/GN	15 = WH	2 = RD	9 = WH/YE	16 = YE	3 = GY	10 = WH/GY	17 = PK	4 = RD/BU	11 = BK	18 = GY/BN	5 = GN	12 = GN/YE	19 = BN	6 = BU	13 = YE/BN		7 = GY/PK	14 = BN/GN	
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	19.14-Pole	MS23-F19.14F-L0.5RS19.8	11 12 019 3205																																																																						
	19.15-Pole	MS23-F19.15F-L0.5RS19.8	11 12 019 3206																																																																						
	19-Pole	MS23-F19F-L0.5RS19.8	11 12 019 3207																																																																						

1): Standard cable length is 0.5m, variable cable length is optional.

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Technical characteristics

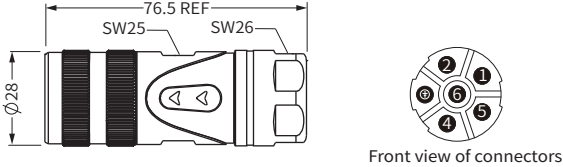
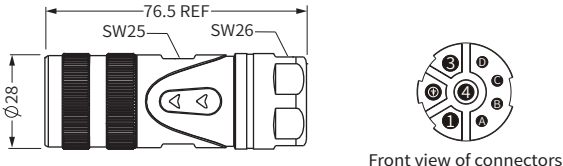
Connector	M23	Material(seal)	FPM/FKM		
Rated current	[A]	9	Tightening torque	2 Nm	
Rated voltage	[V]	150	Limiting temperature	[°C]	-25 ... +85
Insulation resistance	[Ω]	≥10 ⁸	Degree of protection (IP)	IP67	
Contact resistance	[mΩ]	≤5	Mating cycles	≥100	
Material(grip body)	Brass, nickel plated	Pollution degree	3		
Material(contact)	Brass, gold plated	Standard	IEC61076-2-101		
Material(contact carrier)	PBT-white	RoHS	compliant		
Material(knurl)	Brass, nickel plated				

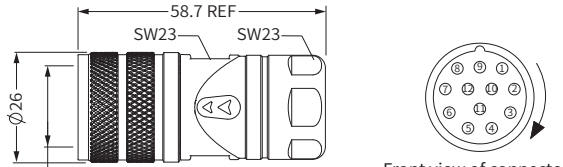
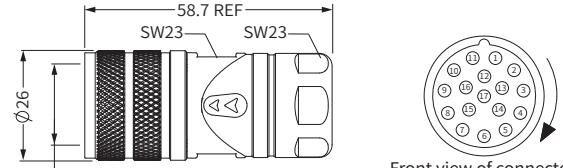
Identification	No. of Poles	Type	Part number	Drawing (dimensions in mm)
Receptacles, with wire ends¹⁾, front mounting, male, with outside thread, RS19.8, individual wires 	19.11-Pole	MS23-M19.11F-L0.5RS19.8	11 12 019 3104	 19.11-Pole 3 = GY 12 = GN/YE 4 = RD/BU 14 = BN/GN 5 = GN 15 = WH 6 = BU 16 = YE 7 = GY/PK 19 = BN 8 = WH/GN 19.14-Pole 1 = WH 7 = RD 14 = BN/GN 2 = GN 8 = BK 19 = BN 3 = YE 9 = VT 4 = GY 10 = GY/PK 5 = PK 11 = RD/BU 6 = BU 13 = WH/GN 19.15-Pole 2 = RD 8 = WH/GN 16 = YE 3 = GY 9 = WH/YE 17 = PK 4 = RD/BU 12 = GN/YE 19 = BN 5 = GN 13 = YE/BN 6 = BU 14 = BN/GN 7 = GY/PK 15 = WH 19-Pole 1 = VT 8 = WH/GN 15 = WH 2 = RD 9 = WH/YE 16 = YE 3 = GY 10 = WH/GY 17 = PK 4 = RD/BU 11 = BK 18 = GY/BN 5 = GN 12 = GN/YE 19 = BN 6 = BU 13 = YE/BN 7 = GY/PK 14 = BN/GN
	19.14-Pole	MS23-M19.14F-L0.5RS19.8	11 12 019 3105	
	19.15-Pole	MS23-M19.15F-L0.5RS19.8	11 12 019 3106	
	19-Pole	MS23-M19F-L0.5RS19.8	11 12 019 3107	

1): Standard cable length is 0.5m, variable cable length is optional.

Technical characteristics					
Connector		M23	Material(seal)		FPM/FKM
Rated voltage	[V]	630	Tightening torque		2 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature	[°C]	-25 ... +85
Contact resistance	[mΩ]	≤5	Degree of protection (IP)		IP67
Material(grip body)		Zinc die-cast/Nickel plated	Mating cycles		≥100
Material(contact)		Brass, gold plated	Pollution degree		3
Material(contact carrier)		PBT-black	Standard		IEC61076-2-101
Material(knurl)		Copper alloy/Nickel plated	RoHS		compliant

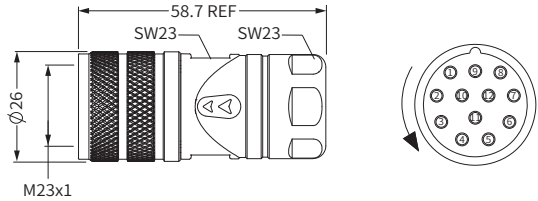
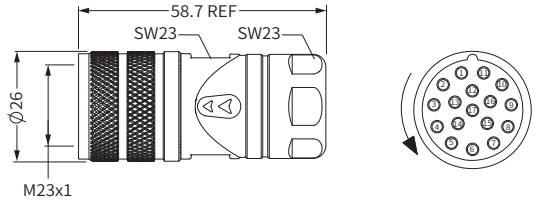
Technical characteristics					
Connector		M23	Material(seal)		FPM/FKM
Rated voltage	[V]	150	Tightening torque		2 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature	[°C]	-25 ... +85
Contact resistance	[mΩ]	≤5	Degree of protection (IP)		IP67
Material(grip body)		Zinc die-cast/Nickel plated	Mating cycles		≥100
Material(contact)		Brass, gold plated	Pollution degree		3
Material(contact carrier)		PBT-white	Standard		IEC61076-2-101
Material(knurl)		Copper alloy/Nickel plated	RoHS		compliant

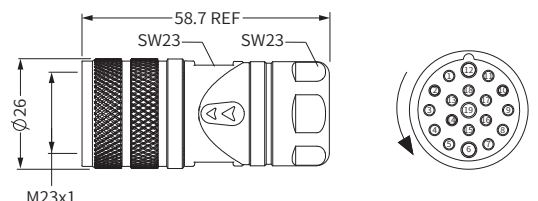
Identification	Type	Part number	Drawing (dimensions in mm)					
6-pole, straight, female, M23, cable diameter: 7 ... 12 mm, 12 ... 17 mm, Rated current: 8A; 20A; 30A	M23-SFC6S-D12/C1/KIT	01 12 106 1400	 Front view of connectors					
	M23-SFC6S-D12/C2/KIT	01 12 106 1401						
	M23-SFC6S-D17/C2/KIT	01 12 106 1402						
	M23-SFC6S-D17/C3/KIT	01 12 106 1403						
8-pole, straight, female, M23, cable diameter: 7 ... 12 mm, 12 ... 17 mm, Rated current: 8A; 20A/8A; 20A/8A; 30A/8A	M23-SFC8S-D12/C1/KIT	01 12 108 1400	 Front view of connectors					
	M23-SFC8S-D12/C2/KIT	01 12 108 1401						
	M23-SFC8S-D17/C2/KIT	01 12 108 1402						
	M23-SFC8S-D17/C3/KIT	01 12 108 1403						
			Type Name	Cable range	Contacts	Rated current	Cross-section	Contact diameter
			M23-SFC6S-D12/C1/KIT	7 ... 12mm	M23-C30G-1.0-F (6 pcs)	8A	0.25 ... 1 mm ²	2mm
			M23-SFC6S-D12/C2/KIT	7 ... 12mm	M23-C30G-2.5-F (6 pcs)	20A	1.5 ... 2.5 mm ²	2mm
			M23-SFC6S-D17/C2/KIT	12 ... 17mm	M23-C30G-2.5-F (6 pcs)	20A	1.5 ... 2.5 mm ²	2mm
			M23-SFC6S-D17/C3/KIT	12 ... 17mm	M23-C30G-4.0-F (6 pcs)	30A	4 mm ²	2mm
			Type Name	Cable range	Contacts	Rated current	Cross-section	Contact diameter
			M23-SFC8S-D12/C1/KIT	7 ... 12mm	M23-C30G-1.0-F (4 pcs)	8A	0.25 ... 1 mm ²	2mm
			M23-SFC8S-D12/C2/KIT	7 ... 12mm	M23-C8G-1.0-F (4 pcs)	8A	0.25 ... 1 mm ²	1mm
			M23-SFC8S-D12/C2/KIT	7 ... 12mm	M23-C30G-2.5-F (4 pcs)	20A	1.5 ... 2.5 mm ²	2mm
			M23-SFC8S-D12/C2/KIT	7 ... 12mm	M23-C8G-1.0-F (4 pcs)	8A	0.25 ... 1 mm ²	1mm
			M23-SFC8S-D17/C2/KIT	12 ... 17mm	M23-C30G-2.5-F (4 pcs)	20A	1.5 ... 2.5 mm ²	2mm
			M23-SFC8S-D17/C2/KIT	12 ... 17mm	M23-C8G-1.0-F (4 pcs)	8A	0.25 ... 1 mm ²	1mm
			M23-SFC8S-D17/C3/KIT	12 ... 17mm	M23-C30G-4.0-F (4 pcs)	30A	4 mm ²	2mm
			M23-SFC8S-D17/C3/KIT	12 ... 17mm	M23-C8G-1.0-F (4 pcs)	8A	0.25 ... 1 mm ²	1mm

Identification	Type	Part number	Drawing (dimensions in mm)					
12-pole, straight, female, M23, cable diameter: 6 ... 14 mm, Rated current: 4A; 8A, reverse running	M23-SFC12S-D14/C1/SE/KIT	01 12 112 1400	 Front view of connectors					
	M23-SFC12S-D14/C2/SE/KIT	01 12 112 1401						
17-pole, straight, female, M23, cable diameter: 6 ... 14 mm, Rated current: 4A; 8A, reverse running	M23-SFC17S-D14/C1/SE/KIT	01 12 117 1400	 Front view of connectors					
	M23-SFC17S-D14/C2/SE/KIT	01 12 117 1401						
			Type Name	Cable range	Contacts	Rated current	Cross-section	Contact diameter
			M23-SFC12S-D14/C1/SE/KIT	6 ... 14mm	M23-CS8G-0.34-F (12 pcs)	4A	0.14 ... 0.34mm ²	1mm
			M23-SFC12S-D14/C2/SE/KIT	6 ... 14mm	M23-CS8G-0.75-F (12 pcs)	8A	0.34 ... 0.75mm ²	1mm
			Type Name	Cable range	Contacts	Rated current	Cross-section	Contact diameter
			M23-SFC17S-D14/C1/SE/KIT	6 ... 14mm	M23-CS8G-0.34-F (17 pcs)	4A	0.14 ... 0.34mm ²	1mm
			M23-SFC17S-D14/C2/SE/KIT	6 ... 14mm	M23-CS8G-0.75-F (17 pcs)	8A	0.34 ... 0.75mm ²	1mm

Technical characteristics					
Connector		M23	Material(seal)		FPM/FKM
Rated voltage	[V]	150	Tightening torque		2 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature	[°C]	-25 ... +85
Contact resistance	[mΩ]	≤5	Degree of protection (IP)		IP67
Material(grip body)		Zinc die-cast/Nickel plated	Mating cycles		≥100
Material(contact)		Brass, gold plated	Pollution degree		3
Material(contact carrier)		PBT-white	Standard		IEC61076-2-101
Material(knurl)		Copper alloy/Nickel plated	RoHS		compliant

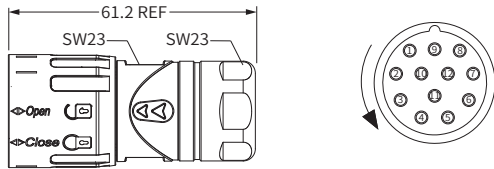
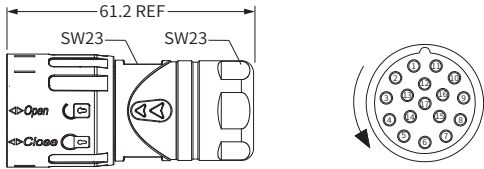
Technical characteristics					
Connector		M23	Material(seal)		FPM/FKM
Rated voltage	[V]	150	Tightening torque		2 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature	[°C]	-25 ... +85
Contact resistance	[mΩ]	≤5	Degree of protection (IP)		IP67
Material(grip body)		Zinc die-cast/Nickel plated	Mating cycles		≥100
Material(contact)		Brass, gold plated	Pollution degree		3
Material(contact carrier)		PBT-white	Standard		IEC61076-2-101
Material(knurl)		Copper alloy/Nickel plated	RoHS		compliant

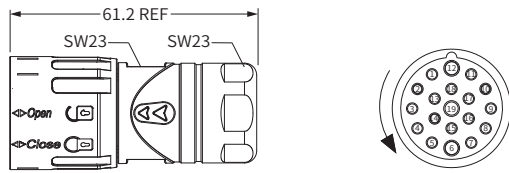
Identification	Type	Part number	Drawing (dimensions in mm)					
12-pole , straight, female, M23, cable diameter: 6 ... 14 mm, Rated current: 4A; 8A 	M23-SFC12S-D14/C1/KIT	01 12 112 1402						
	M23-SFC12S-D14/C2/KIT	01 12 112 1403						
			Type Name	Cable range	Contacts	Rated current	Cross-section	Contact diameter
			M23-SFC12S-D14/C1/KIT	6 ... 14mm	M23-CS8G-0.34-F (12 pcs)	4A	0.14 ... 0.34mm ²	1mm
			M23-SFC12S-D14/C2/KIT	6 ... 14mm	M23-CS8G-0.75-F (12 pcs)	8A	0.34 ... 0.75mm ²	1mm
17-pole , straight, female, M23, cable diameter: 6 ... 14 mm, Rated current: 4A; 8A 	M23-SFC17S-D14/C1/KIT	01 12 117 1402						
	M23-SFC17S-D14/C2/KIT	01 12 117 1403						
			Type Name	Cable range	Contacts	Rated current	Cross-section	Contact diameter
			M23-SFC17S-D14/C1/KIT	6 ... 14mm	M23-CS8G-0.34-F (17 pcs)	4A	0.14 ... 0.34mm ²	1mm
			M23-SFC17S-D14/C2/KIT	6 ... 14mm	M23-CS8G-0.75-F (17 pcs)	8A	0.34 ... 0.75mm ²	1mm

Identification	Type	Part number	Drawing (dimensions in mm)					
19-pole , straight, female, M23, cable diameter: 6 ... 14 mm, Rated current: 4A/4A; 4A/8A; 8A/4A; 8A/8A 	M23-SFC19S-D12/C1.1/KIT	01 12 119 1404						
	M23-SFC19S-D12/C1.2/KIT	01 12 119 1405						
	M23-SFC19S-D17/C2.1/KIT	01 12 119 1402						
	M23-SFC19S-D17/C2.2/KIT	01 12 119 1403						
			Type Name	Cable range	Contacts	Rated current	Cross-section	Contact diameter
			M23-SFC19S-D14/C1.1/KIT	6 ... 14mm	M23-CS8G-0.34-F (16 pcs)	4A	0.14 ... 0.34mm ²	1mm
					M23-CS10G-0.34-F (3 pcs)	4A	0.14 ... 0.34mm ²	1.5mm
			M23-SFC19S-D14/C1.2/KIT	6 ... 14mm	M23-CS8G-0.34-F (16 pcs)	4A	0.14 ... 0.34mm ²	1mm
					M23-CS10G-0.75-F (3 pcs)	8A	0.34 ... 0.75mm ²	1.5mm
			M23-SFC19S-D14/C2.1/KIT	6 ... 14mm	M23-CS8G-0.75-F (16 pcs)	8A	0.34 ... 0.75mm ²	1mm
					M23-CS10G-0.34-F (3 pcs)	4A	0.14 ... 0.34mm ²	1.5mm
			M23-SFC19S-D14/C2.2/KIT	6 ... 14mm	M23-CS8G-0.75-F (16 pcs)	8A	0.34 ... 0.75mm ²	1mm
					M23-CS10G-0.75-F (3 pcs)	8A	0.34 ... 0.75mm ²	1.5mm

Technical characteristics					
Connector		M23	Material(seal)		FPM/FKM
Rated voltage	[V]	150	Tightening torque		2 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature	[°C]	-25 ... +85
Contact resistance	[mΩ]	≤5	Degree of protection (IP)		IP67
Material(grip body)		Zinc die-cast/Nickel plated	Mating cycles		≥100
Material(contact)		Brass, gold plated	Pollution degree		3
Material(contact carrier)		PBT-white	Standard		IEC61076-2-101
Material(knurl)		Copper alloy/Nickel plated	RoHS		compliant

Technical characteristics					
Connector		M23	Material(seal)		FPM/FKM
Rated voltage	[V]	150	Tightening torque		2 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature	[°C]	-25 ... +85
Contact resistance	[mΩ]	≤5	Degree of protection (IP)		IP67
Material(grip body)		Zinc die-cast/Nickel plated	Mating cycles		≥100
Material(contact)		Brass, gold plated	Pollution degree		3
Material(contact carrier)		PBT-white	Standard		IEC61076-2-101
Material(knurl)		Copper alloy/Nickel plated	RoHS		compliant

Identification	Type	Part number	Drawing (dimensions in mm)																		
12-pole, straight, female, M23, cable diameter: 6 ... 14 mm, Rated current: 4A; 8A 	MQ23-SFC12S-D14/C1/KIT	01 12 112 1404	 <table><tr><th>Type Name</th><th>Cable range</th><th>Contacts</th><th>Rated current</th><th>Cross-section</th><th>Contact diameter</th></tr><tr><td>MQ23-SFC12S-D14/C1/ /KIT</td><td>6 ... 14mm</td><td>M23-CS8G-0.34-F (12 pcs)</td><td>4A</td><td>0.14 ... 0.34mm²</td><td>1mm</td></tr><tr><td>MQ23-SFC12S-D14/C2/ /KIT</td><td>6 ... 14mm</td><td>M23-CS8G-0.75-F (12 pcs)</td><td>8A</td><td>0.34 ... 0.75mm²</td><td>1mm</td></tr></table>	Type Name	Cable range	Contacts	Rated current	Cross-section	Contact diameter	MQ23-SFC12S-D14/C1/ /KIT	6 ... 14mm	M23-CS8G-0.34-F (12 pcs)	4A	0.14 ... 0.34mm ²	1mm	MQ23-SFC12S-D14/C2/ /KIT	6 ... 14mm	M23-CS8G-0.75-F (12 pcs)	8A	0.34 ... 0.75mm ²	1mm
	Type Name	Cable range		Contacts	Rated current	Cross-section	Contact diameter														
MQ23-SFC12S-D14/C1/ /KIT	6 ... 14mm	M23-CS8G-0.34-F (12 pcs)	4A	0.14 ... 0.34mm ²	1mm																
MQ23-SFC12S-D14/C2/ /KIT	6 ... 14mm	M23-CS8G-0.75-F (12 pcs)	8A	0.34 ... 0.75mm ²	1mm																
17-pole, straight, female, M23, cable diameter: 6 ... 14 mm, Rated current: 4A; 8A 	MQ23-SFC17S-D14/C1/KIT	01 12 117 1404	 <table><tr><th>Type Name</th><th>Cable range</th><th>Contacts</th><th>Rated current</th><th>Cross-section</th><th>Contact diameter</th></tr><tr><td>MQ23-SFC17S-D14/C1/ /KIT</td><td>6 ... 14mm</td><td>M23-CS8G-0.34-F (17 pcs)</td><td>4A</td><td>0.14 ... 0.34mm²</td><td>1mm</td></tr><tr><td>MQ23-SFC17S-D14/C2/ /KIT</td><td>6 ... 14mm</td><td>M23-CS8G-0.75-F (17 pcs)</td><td>8A</td><td>0.34 ... 0.75mm²</td><td>1mm</td></tr></table>	Type Name	Cable range	Contacts	Rated current	Cross-section	Contact diameter	MQ23-SFC17S-D14/C1/ /KIT	6 ... 14mm	M23-CS8G-0.34-F (17 pcs)	4A	0.14 ... 0.34mm ²	1mm	MQ23-SFC17S-D14/C2/ /KIT	6 ... 14mm	M23-CS8G-0.75-F (17 pcs)	8A	0.34 ... 0.75mm ²	1mm
	Type Name	Cable range		Contacts	Rated current	Cross-section	Contact diameter														
MQ23-SFC17S-D14/C1/ /KIT	6 ... 14mm	M23-CS8G-0.34-F (17 pcs)	4A	0.14 ... 0.34mm ²	1mm																
MQ23-SFC17S-D14/C2/ /KIT	6 ... 14mm	M23-CS8G-0.75-F (17 pcs)	8A	0.34 ... 0.75mm ²	1mm																

Identification	Type	Part number	Drawing (dimensions in mm)
19-pole, straight, female, M23, cable diameter: 6 ... 14 mm, Rated current: 4A/4A; 4A/8A; 8A/4A; 8A/8A 	MQ23-SFC19S-D14/C1.1/KIT	01 12 119 1407	
	MQ23-SFC19S-D14/C1.2/KIT	01 12 119 1408	
	MQ23-SFC19S-D14/C2.1/KIT	01 12 119 1409	
	MQ23-SFC19S-D14/C2.2/KIT	01 12 119 1410	

Type Name	Cable range	Contacts	Rated current	Cross-section	Contact diameter
MQ23-SFC19S-D14/C1.1 /KIT	6 ... 14mm	M23-CS8G-0.34-F (16 pcs)	4A	0.14 ... 0.34mm²	1mm
		M23-CS10G-0.34-F (3 pcs)	4A	0.14 ... 0.34mm²	1.5mm
MQ23-SFC19S-D14/C1.2 /KIT	6 ... 14mm	M23-CS8G-0.34-F (16 pcs)	4A	0.14 ... 0.34mm²	1mm
		M23-CS10G-0.75-F (3 pcs)	8A	0.34 ... 0.75mm²	1.5mm
MQ23-SFC19S-D14/C2.1 /KIT	6 ... 14mm	M23-CS8G-0.75-F (16 pcs)	8A	0.34 ... 0.75mm²	1mm
		M23-CS10G-0.34-F (3 pcs)	4A	0.14 ... 0.34mm²	1.5mm
MQ23-SFC19S-D14/C2.2 /KIT	6 ... 14mm	M23-CS8G-0.75-F (16 pcs)	8A	0.34 ... 0.75mm²	1mm
		M23-CS10G-0.75-F (3 pcs)	8A	0.34 ... 0.75mm²	1.5mm

Technical characteristics					
Connector	M23		Material(seal)	FPM/FKM	
Rated voltage	[V]	630	Tightening torque	2 Nm	
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature	[°C]	-25 ... +85
Contact resistance	[mΩ]	≤5	Degree of protection (IP)	IP67	
Material(grip body)	Zinc die-cast/Nickel plated		Mating cycles	≥100	
Material(contact)	Brass, gold plated		Pollution degree	3	
Material(contact carrier)	PBT-black		Standard	IEC61076-2-101	
Material(knurl)	Copper alloy/Nickel plated		RoHS	compliant	

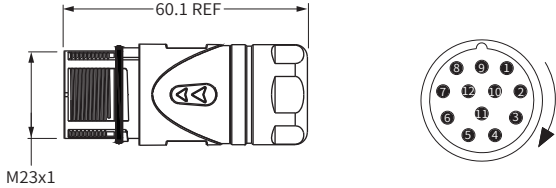
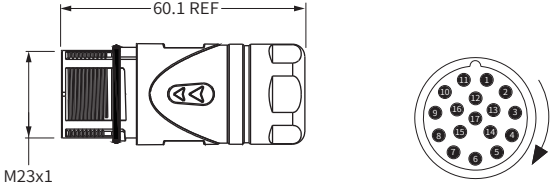
Technical characteristics					
Connector	M23		Material(seal)	FPM/FKM	
Rated voltage	[V]	150	Tightening torque	2 Nm	
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature	[°C]	-25 ... +85
Contact resistance	[mΩ]	≤5	Degree of protection (IP)	IP67	
Material(grip body)	Zinc die-cast/Nickel plated		Mating cycles	≥100	
Material(contact)	Brass, gold plated		Pollution degree	3	
Material(contact carrier)	PBT-white		Standard	IEC61076-2-101	
Material(knurl)	Copper alloy/Nickel plated		RoHS	compliant	

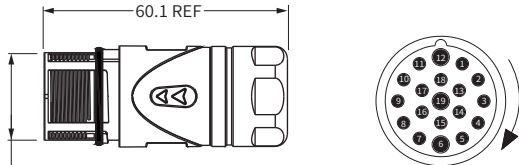
Identification	Type	Part number	Drawing (dimensions in mm)			
6-pole, straight, male, M23, cable diameter: 7 ... 12 mm, 12 ... 17 mm, Rated current: 8A; 20A; 30A	M23-SMC6S-D12/C1/KIT	01 12 106 1300	 Front view of connectors			
	M23-SMC6S-D12/C2/KIT	01 12 106 1301				
	M23-SMC6S-D17/C2/KIT	01 12 106 1302				
	M23-SMC6S-D17/C3/KIT	01 12 106 1303				
8-pole, straight, male, M23, cable diameter: 7 ... 12 mm, 12 ... 17 mm, Rated current: 8A; 20A/8A; 20A/8A; 30A/8A	M23-SMC8S-D12/C1/KIT	01 12 108 1300	 Front view of connectors			
	M23-SMC8S-D12/C2/KIT	01 12 108 1301				
	M23-SMC8S-D17/C2/KIT	01 12 108 1302				
	M23-SMC8S-D17/C3/KIT	01 12 108 1303				

Identification	Type	Part number	Drawing (dimensions in mm)			
12-pole, straight, male, M23, cable diameter: 6 ... 14 mm, Rated current: 4A; 8A, reverse running	M23-SMC12S-D14/C1/SE/KIT	01 12 112 1300	 Front view of connectors			
	M23-SMC12S-D14/C2/SE/KIT	01 12 112 1301				
17-pole, straight, male, M23, cable diameter: 6 ... 14 mm, Rated current: 4A; 8A, reverse running	M23-SMC17S-D14/C1/SE/KIT	01 12 117 1300	 Front view of connectors			
	M23-SMC17S-D14/C2/SE/KIT	01 12 117 1301				

Technical characteristics					
Connector		M23	Material(seal)		FPM/FKM
Rated voltage	[V]	150	Tightening torque		2 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature	[°C]	-25 ... +85
Contact resistance	[mΩ]	≤5	Degree of protection (IP)		IP67
Material(grip body)		Zinc die-cast/Nickel plated	Mating cycles		≥100
Material(contact)		Brass, gold plated	Pollution degree		3
Material(contact carrier)		PBT-white	Standard		IEC61076-2-101
Material(knurl)		Copper alloy/Nickel plated	RoHS		compliant

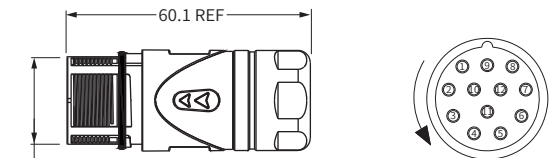
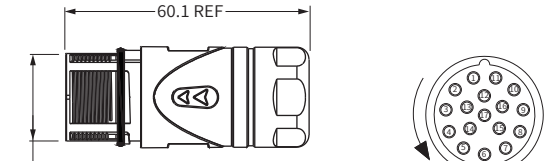
Technical characteristics					
Connector		M23	Material(seal)		FPM/FKM
Rated voltage	[V]	150	Tightening torque		2 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature	[°C]	-25 ... +85
Contact resistance	[mΩ]	≤5	Degree of protection (IP)		IP67
Material(grip body)		Zinc die-cast/Nickel plated	Mating cycles		≥100
Material(contact)		Brass, gold plated	Pollution degree		3
Material(contact carrier)		PBT-white	Standard		IEC61076-2-101
Material(knurl)		Copper alloy/Nickel plated	RoHS		compliant

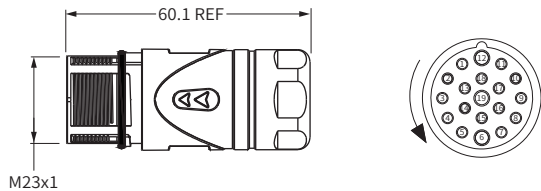
Identification	Type	Part number	Drawing (dimensions in mm)					
12-pole , straight, male, M23, cable diameter: 6 ... 14 mm, Rated current: 4A; 8A 	M23-SMC12S-D14/C1/KIT	01 12 112 1304	 M23x1					
	M23-SMC12S-D14/C2/KIT	01 12 112 1305						
			Type Name	Cable range	Contacts	Rated current	Cross-section	Contact diameter
			M23-SMC12S-D14/C1/ /KIT	6 ... 14mm	M23-CS8G-0.34-M (12 pcs)	4A	0.14 ... 0.34mm ²	1mm
17-pole , straight, male, M23, cable diameter: 6 ... 14 mm, Rated current: 4A; 8A 	M23-SMC17S-D14/C1/KIT	01 12 117 1306	 M23x1					
	M23-SMC17S-D14/C2/KIT	01 12 117 1307						
			Type Name	Cable range	Contacts	Rated current	Cross-section	Contact diameter
			M23-SMC17S-D14/C1/ /KIT	6 ... 14mm	M23-CS8G-0.34-M (17 pcs)	4A	0.14 ... 0.34mm ²	1mm
			M23-SMC17S-D14/C2/ /KIT	6 ... 14mm	M23-CS8G-0.75-M (17 pcs)	8A	0.34 ... 0.75mm ²	1mm

Identification	Type	Part number	Drawing (dimensions in mm)																																																			
19-pole, straight, male, M23, cable diameter: 6 ... 14 mm, Rated current: 4A/4A; 4A/8A; 8A/4A; 8A/8A 	M23-SMC19S-D14/C1.1/KIT	01 12 119 1308	 M23x1 <table><tr><th>Type Name</th><th>Cable range</th><th>Contacts</th><th>Rated current</th><th>Cross-section</th><th>Contact diameter</th></tr><tr><td rowspan="2">M23-SMC19S-D14/C1.1 /KIT</td><td rowspan="2">6 ... 14mm</td><td>M23-CS8G-0.34-M (16 pcs)</td><td>4A</td><td>0.14 ... 0.34mm²</td><td>1mm</td></tr><tr><td>M23-CS10G-0.34-M (3 pcs)</td><td>4A</td><td>0.14 ... 0.34mm²</td><td>1.5mm</td></tr><tr><td rowspan="2">M23-SMC19S-D14/C1.2 /KIT</td><td rowspan="2">6 ... 14mm</td><td>M23-CS8G-0.34-M (16 pcs)</td><td>4A</td><td>0.14 ... 0.34mm²</td><td>1mm</td></tr><tr><td>M23-CS10G-0.75-M (3 pcs)</td><td>8A</td><td>0.34 ... 0.75mm²</td><td>1.5mm</td></tr><tr><td rowspan="2">M23-SMC19S-D14/C2.1 /KIT</td><td rowspan="2">6 ... 14mm</td><td>M23-CS8G-0.75-M (16 pcs)</td><td>8A</td><td>0.34 ... 0.75mm²</td><td>1mm</td></tr><tr><td>M23-CS10G-0.34-M (3 pcs)</td><td>4A</td><td>0.14 ... 0.34mm²</td><td>1.5mm</td></tr><tr><td rowspan="2">M23-SMC19S-D14/C2.2 /KIT</td><td rowspan="2">6 ... 14mm</td><td>M23-CS8G-0.75-M (16 pcs)</td><td>8A</td><td>0.34 ... 0.75mm²</td><td>1mm</td></tr><tr><td>M23-CS10G-0.75-M (3 pcs)</td><td>8A</td><td>0.34 ... 0.75mm²</td><td>1.5mm</td></tr></table>						Type Name	Cable range	Contacts	Rated current	Cross-section	Contact diameter	M23-SMC19S-D14/C1.1 /KIT	6 ... 14mm	M23-CS8G-0.34-M (16 pcs)	4A	0.14 ... 0.34mm²	1mm	M23-CS10G-0.34-M (3 pcs)	4A	0.14 ... 0.34mm²	1.5mm	M23-SMC19S-D14/C1.2 /KIT	6 ... 14mm	M23-CS8G-0.34-M (16 pcs)	4A	0.14 ... 0.34mm²	1mm	M23-CS10G-0.75-M (3 pcs)	8A	0.34 ... 0.75mm²	1.5mm	M23-SMC19S-D14/C2.1 /KIT	6 ... 14mm	M23-CS8G-0.75-M (16 pcs)	8A	0.34 ... 0.75mm²	1mm	M23-CS10G-0.34-M (3 pcs)	4A	0.14 ... 0.34mm²	1.5mm	M23-SMC19S-D14/C2.2 /KIT	6 ... 14mm	M23-CS8G-0.75-M (16 pcs)	8A	0.34 ... 0.75mm²	1mm	M23-CS10G-0.75-M (3 pcs)	8A	0.34 ... 0.75mm²	1.5mm
	Type Name	Cable range							Contacts	Rated current	Cross-section	Contact diameter																																										
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		M23-CS10G-0.75-M (3 pcs)	8A	0.34 ... 0.75mm²	1.5mm																																																	
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Technical characteristics					
Connector		M23	Material(seal)		FPM/FKM
Rated voltage	[V]	150	Tightening torque		2 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature	[°C]	-25 ... +85
Contact resistance	[mΩ]	≤5	Degree of protection (IP)		IP67
Material(grip body)		Zinc die-cast/Nickel plated	Mating cycles		≥100
Material(contact)		Brass, gold plated	Pollution degree		3
Material(contact carrier)		PBT-white	Standard		IEC61076-2-101
Material(knurl)		Copper alloy/Nickel plated	RoHS		compliant

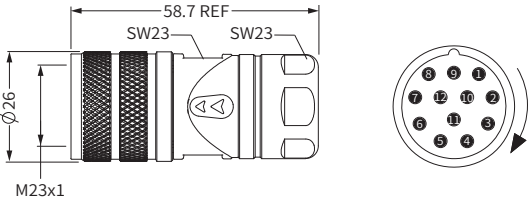
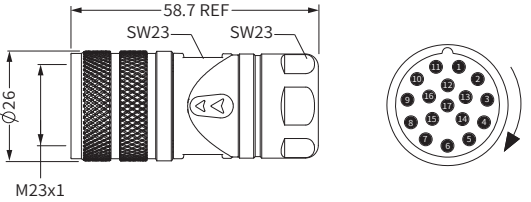
Technical characteristics					
Connector		M23	Material(seal)		FPM/FKM
Rated voltage	[V]	150	Tightening torque		2 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature	[°C]	-25 ... +85
Contact resistance	[mΩ]	≤5	Degree of protection (IP)		IP67
Material(grip body)		Zinc die-cast/Nickel plated	Mating cycles		≥100
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Material(knurl)		Copper alloy/Nickel plated	RoHS		compliant

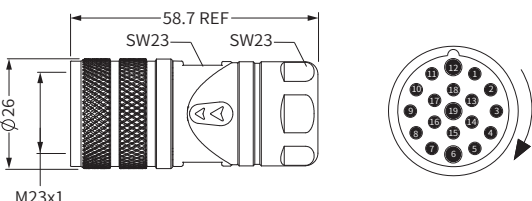
Identification	Type	Part number	Drawing (dimensions in mm)					
12-pole , straight, female, M23, cable diameter: 6 ... 14 mm, Rated current: 4A; 8A, with outside thread	MS23-SFC12S-D14/C1/KIT	01 12 112 1408	 M23x1					
	MS23-SFC12S-D14/C2/KIT	01 12 112 1409						
			Type Name	Cable range	Contacts	Rated current	Cross-section	Contact diameter
			MS23-SFC12S-D14/C1/KIT	6 ... 14mm	M23-CS8G-0.34-F (12 pcs)	4A	0.14 ... 0.34mm²	1mm
			MS23-SFC12S-D14/C2/KIT	6 ... 14mm	M23-CS8G-0.75-F (12 pcs)	8A	0.34 ... 0.75mm²	1mm
17-pole , straight, female, M23, cable diameter: 6 ... 14 mm, Rated current: 4A; 8A, with outside thread	MS23-SFC17S-D14/C1/KIT	01 12 117 1406	 M23x1					
	MS23-SFC17S-D14/C2/KIT	01 12 117 1407						
			Type Name	Cable range	Contacts	Rated current	Cross-section	Contact diameter
			MS23-SFC17S-D14/C1/KIT	6 ... 14mm	M23-CS8G-0.34-F (17 pcs)	4A	0.14 ... 0.34mm²	1mm
			MS23-SFC17S-D14/C2/KIT	6 ... 14mm	M23-CS8G-0.75-F (17 pcs)	8A	0.34 ... 0.75mm²	1mm

Identification	Type	Part number	Drawing (dimensions in mm)																																																			
19-pole, straight, female, M23, cable diameter: 6 ... 14 mm, Rated current: 4A/4A; 4A/8A; 8A/4A; 8A/8A, with outside thread 	MS23-SFC19S-D14/C1.1/KIT	01 12 119 1411	 M23x1																																																			
	MS23-SFC19S-D14/C1.2/KIT	01 12 119 1412																																																				
	MS23-SFC19S-D14/C2.1/KIT	01 12 119 1406																																																				
	MS23-SFC19S-D14/C2.2/KIT	01 12 119 1413																																																				
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Technical characteristics					
Connector		M23	Material(seal)		FPM/FKM
Rated voltage	[V]	150	Tightening torque		2 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature	[°C]	-25 ... +85
Contact resistance	[mΩ]	≤5	Degree of protection (IP)		IP67
Material(grip body)		Zinc die-cast/Nickel plated	Mating cycles		≥100
Material(contact)		Brass, gold plated	Pollution degree		3
Material(contact carrier)		PBT-white	Standard		IEC61076-2-101
Material(knurl)		Copper alloy/Nickel plated	RoHS		compliant

Technical characteristics					
Connector		M23	Material(seal)		FPM/FKM
Rated voltage	[V]	150	Tightening torque		2 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature	[°C]	-25 ... +85
Contact resistance	[mΩ]	≤5	Degree of protection (IP)		IP67
Material(grip body)		Zinc die-cast/Nickel plated	Mating cycles		≥100
Material(contact)		Brass, gold plated	Pollution degree		3
Material(contact carrier)		PBT-white	Standard		IEC61076-2-101
Material(knurl)		Copper alloy/Nickel plated	RoHS		compliant

Identification	Type	Part number	Drawing (dimensions in mm)					
12-pole, straight, male, M23, cable diameter: 6 ... 14 mm, Rated current: 4A; 8A	MN23-SMC12S-D14/C1/KIT	01 12 112 1302						
	MN23-SMC12S-D14/C2/KIT	01 12 112 1303						
			Type Name	Cable range	Contacts	Rated current	Cross-section	Contact diameter
			MN23-SMC12S-D14/C1/KIT	6 ... 14mm	M23-CS8G-0.34-M (12 pcs)	4A	0.14 ... 0.34mm²	1mm
17-pole, straight, male, M23, cable diameter: 6 ... 14 mm, Rated current: 4A; 8A	MN23-SMC17S-D14/C1/KIT	01 12 117 1302						
	MN23-SMC17S-D14/C2/KIT	01 12 117 1303						
			Type Name	Cable range	Contacts	Rated current	Cross-section	Contact diameter
			MN23-SMC17S-D14/C1/KIT	6 ... 14mm	M23-CS8G-0.34-M (17 pcs)	4A	0.14 ... 0.34mm²	1mm
			MN23-SMC17S-D14/C2/KIT	6 ... 14mm	M23-CS8G-0.75-M (17 pcs)	8A	0.34 ... 0.75mm²	1mm

Identification	Type	Part number	Drawing (dimensions in mm)					
19-pole, straight, male, M23, cable diameter: 6 ... 14 mm, Rated current: 4A/4A; 4A/8A; 8A/4A; 8A/8A	MN23-SMC19S-D14/C1.1/KIT	01 12 119 1304						
	MN23-SMC19S-D14/C1.2/KIT	01 12 119 1305						
	MN23-SMC19S-D14/C2.1/KIT	01 12 119 1306						
	MN23-SMC19S-D14/C2.2/KIT	01 12 119 1307						
			Type Name	Cable range	Contacts	Rated current	Cross-section	Contact diameter
			MN23-SMC19S-D14/C1.1/KIT	6 ... 14mm	M23-CS8G-0.34-M (16 pcs)	4A	0.14 ... 0.34mm²	1mm
					M23-CS10G-0.34-M (3 pcs)	4A	0.14 ... 0.34mm²	1.5mm
			MN23-SMC19S-D14/C1.2/KIT	6 ... 14mm	M23-CS8G-0.34-M (16 pcs)	4A	0.14 ... 0.34mm²	1mm
					M23-CS10G-0.75-M (3 pcs)	8A	0.34 ... 0.75mm²	1.5mm
			MN23-SMC19S-D14/C2.1/KIT	6 ... 14mm	M23-CS8G-0.75-M (16 pcs)	8A	0.34 ... 0.75mm²	1mm
					M23-CS10G-0.34-M (3 pcs)	4A	0.14 ... 0.34mm²	1.5mm
			MN23-SMC19S-D14/C2.2/KIT	6 ... 14mm	M23-CS8G-0.75-M (16 pcs)	8A	0.34 ... 0.75mm²	1mm
					M23-CS10G-0.75-M (3 pcs)	8A	0.34 ... 0.75mm²	1.5mm

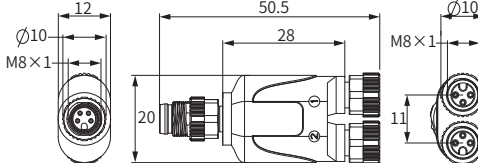
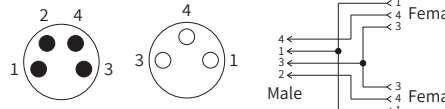
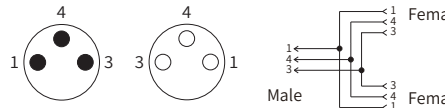
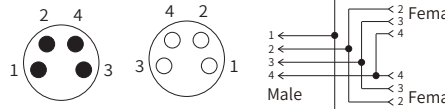
Splitters & Junction Boxes

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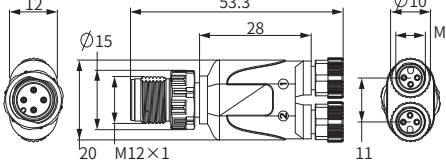
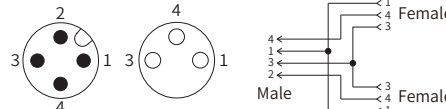
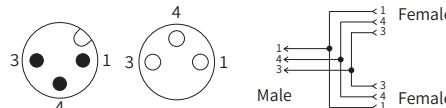
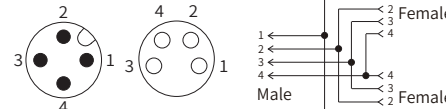
Splitters & Junction Boxes	13-01
Splitters	13-03
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Technical characteristics			
Connector	M8 A-code	Tightening torque	2.0 Nm
Rated current	[A] 2	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 60	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	TPU-yellow	Standard	IEC61076-2-104
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	TPU-black		
Material(knurl)	Zinc die-cast/Nickel plated		
Material(seal)	FPM/FKM		

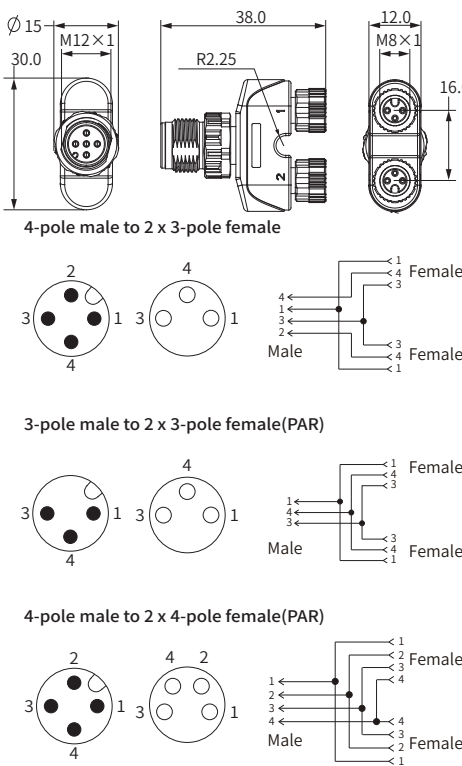
Identification	No. of poles	Type	Part number	Drawing (dimensions in mm)
Y-distributors, M8 A-code, M8 male to 2 x M8 female, Anti-vibration 	4-pole male to 2 x 3-pole female	M8A-M4Y/2F3	11 02 004 5100	 4-pole male to 2 x 3-pole female  3-pole male to 2 x 3-pole female(PAR)  4-pole male to 2 x 4-pole female(PAR) 
	3-pole male to 2 x 3-pole female	M8A-M3Y/2F3-PAR	11 02 003 5101	
	4-pole male to 2 x 4-pole female	M8A-M4Y/2F4-PAR	11 02 004 5101	

variable circuit, color is optional.

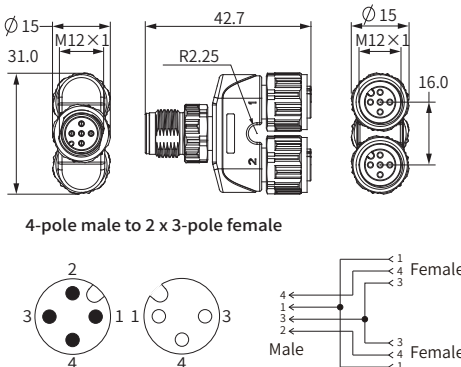
Technical characteristics			
Connector	M12 A-code to M8 A-code	Tightening torque	2.0 Nm
Rated current	[A] 2	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 60	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	TPU-black	Standard	IEC61076-2-104
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	TPU-black		
Material(knurl)	Zinc die-cast/Nickel plated		
Material(seal)	FPM/FKM		

Identification	No. of poles	Type	Part number	Drawing (dimensions in mm)
Y-distributors, M12 A-code to M8 A-code, M12 male to 2 x M8 female, Anti-vibration 	4-pole male to 2 x 3-pole female	M12A-M4Y/2F3-M8A	11 03 004 5101	 4-pole male to 2 x 3-pole female  3-pole male to 2 x 3-pole female(PAR)  4-pole male to 2 x 4-pole female(PAR) 
	3-pole male to 2 x 3-pole female	M12A-M3Y/2F3-PAR-M8A	11 03 003 5101	
	4-pole male to 2 x 4-pole female	M12A-M4Y/2F4-PAR-M8A	11 03 004 5102	
variable circuit, color is optional.				

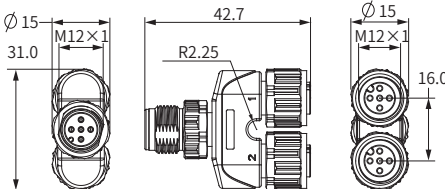
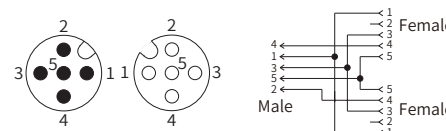
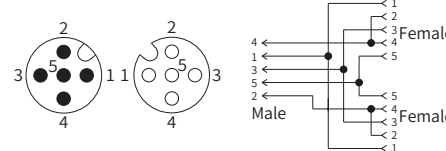
Technical characteristics				
Connector		M12 A-code to M8 A-code	Tightening torque	2.0 Nm
Rated current	[A]	2	Limiting temperature	[-25 ... +85
Rated voltage	[V]	60	Degree of protection (IP)	IP67
Insulation resistance	[Ω]	≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ]	≤5	Pollution degree	3
Material(grip body)		TPU-black	Standard	IEC61076-2-104
Material(contact)		Brass, gold plated	RoHS	compliant
Material(contact carrier)		TPU-black		
Material(knurl)		Zinc die-cast/Nickel plated		
Material(seal)		FPM/FKM		

Identification	No. of poles	Type	Part number	Drawing (dimensions in mm)
YV-distributors, M12 A-code to M8 A-code, M12 male to 2 x M8 female, Anti-vibration 	4-pole male to 2 x 3-pole female	M12A-M4YV/2F3-M8A	11 03 004 7101	
	3-pole male to 2 x 3-pole female	M12A-M3YV/2F3-PAR-M8A	11 03 003 7101	
	4-pole male to 2 x 4-pole female	M12A-M4YV/2F4-PAR-M8A	11 03 004 7102	
variable circuit, color is optional.				

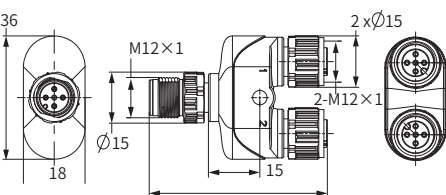
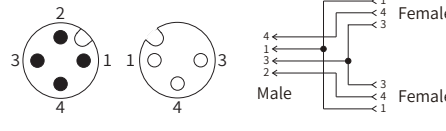
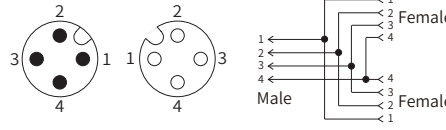
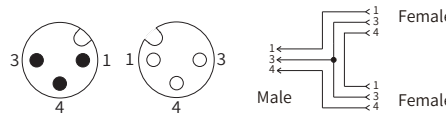
Technical characteristics				
Connector		M12 A-code	Tightening torque	2.0 Nm
Rated current	[A]	4	Limiting temperature	[-25 ... +85
Rated voltage	[V]	250	Degree of protection (IP)	IP67
Insulation resistance	[Ω]	≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ]	≤5	Pollution degree	3
Material(grip body)		TPU-black	Standard	IEC61076-2-104
Material(contact)		Brass, gold plated	RoHS	compliant
Material(contact carrier)		TPU-black		
Material(knurl)		Zinc die-cast/Nickel plated		
Material(seal)		FPM/FKM		

Identification	No. of poles	Type	Part number	Drawing (dimensions in mm)
YV-distributors, M12 A-code M12 male to 2 x M12 female, Anti-vibration 	4-pole male to 2 x 3-pole female	M12A-M4YV/2F3	11 03 004 7100	
variable circuit, color is optional.				

Technical characteristics					
Connector		M12 A-code	Tightening torque		2.0 Nm
Rated current	[A]	4	Limiting temperature	[°C]	-25 ... +85
Rated voltage	[V]	60	Degree of protection (IP)		IP67
Insulation resistance	[Ω]	≥10 ⁸	Mating cycles		≥100
Contact resistance	[mΩ]	≤5	Pollution degree		3
Material(grip body)		TPU-black	Standard		IEC61076-2-104
Material(contact)		Brass, gold plated	RoHS		compliant
Material(contact carrier)		TPU-black			
Material(knurl)		Zinc die-cast/Nickel plated			
Material(seal)		FPM/FKM			

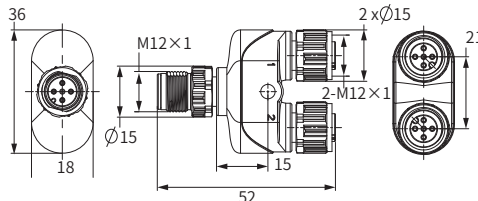
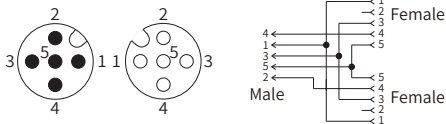
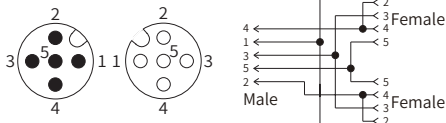
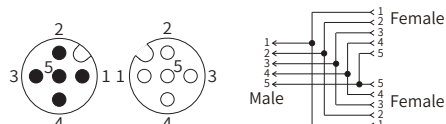
Identification	No. of poles	Type	Part number	Drawing (dimensions in mm)
YV-distributors, M12 A-code M12 male to 2 x M12 female, Anti-vibration 	5-pole(+PE) male to 2 x 5-pole female 5-pole(+PE) male to 2 x 5-pole(+PE) female	M12A-M5YV-5GNYE/2F5 M12A-M5YV-5GNYE/2F5 -OAC-5GNYE	11 03 005 7101 11 03 005 7102	 5-pole (+PE) male to 2 x 5-pole female  5-pole (+PE) male to 2 x 5-pole (+PE) female(OAC) 
variable circuit, color is optional.				

Technical characteristics					
Connector		M12 A-code	Tightening torque		2.0 Nm
Rated current	[A]	4	Limiting temperature	[°C]	-25 ... +85
Rated voltage	[V]	250	Degree of protection (IP)		IP67
Insulation resistance	[Ω]	≥10 ⁸	Mating cycles		≥100
Contact resistance	[mΩ]	≤5	Pollution degree		3
Material(grip body)		TPU-black	Standard		IEC61076-2-104
Material(contact)		Brass, gold plated	RoHS		compliant
Material(contact carrier)		TPU-black			
Material(knurl)		Zinc die-cast/Nickel plated			
Material(seal)		FPM/FKM			

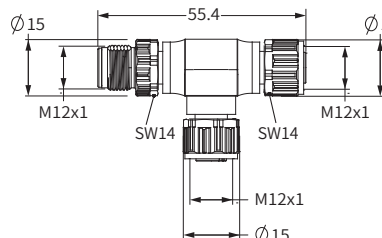
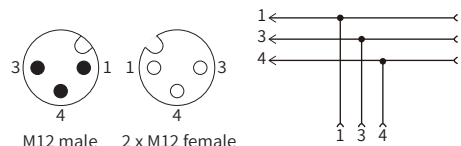
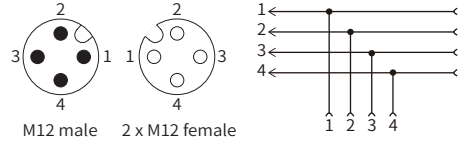
Identification	No. of poles	Type	Part number	Drawing (dimensions in mm)
YW-distributors, M12 A-code, M12 male to 2 x M12 female, Anti-vibration	4-pole male to 2 x 3-pole female	M12A-M4YW/2F3	11 03 004 6100	 4-pole male to 2 x 3-pole female  4-pole male to 2 x 4-pole female(PAR)  3-pole male to 2 x 3-pole female(SER) 
	4-pole male to 2 x 4-pole female	M12A-M4YW/2F4-PAR	11 03 004 6101	
	3-pole male to 2 x 3-pole female	M12A-M3YW/2F3-SER	11 03 003 6101	
variable circuit, color is optional.				

Technical characteristics			
Connector	M12 A-code	Tightening torque	2.0 Nm
Rated current	[A] 4	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 60	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	TPU-black	Standard	IEC61076-2-104
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	TPU-black		
Material(knurl)	Zinc die-cast/Nickel plated		
Material(seal)	FPM/FKM		

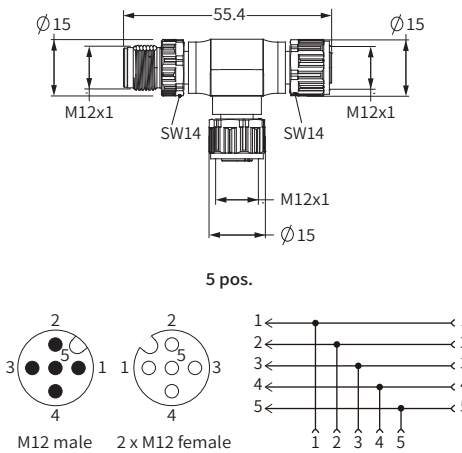
Technical characteristics			
Connector	M12	Material(seal)	FPM/FKM
Version	A-code	Tightening torque	3 ... 4 Nm
Rated current	[A] 4	Limiting temperature	[°C] -25 ... +85
Rated voltage	[V] 250	Degree of protection (IP)	IP67
Insulation resistance	[Ω] ≥10 ⁸	Mating cycles	≥100
Contact resistance	[mΩ] ≤5	Pollution degree	3
Material(grip body)	TPU-black	Standard	IEC61076-2-101
Material(contact)	Brass, gold plated	RoHS	compliant
Material(contact carrier)	TPU+GF		
Material(knurl)	Zinc die-cast/Nickel plated		

Identification	No. of poles	Type	Part number	Drawing (dimensions in mm)
YW-distributors, M12 A-code, M12 male to 2 x M12 female, Anti-vibration 	5-pole(+PE) male to 2 x 5-pole female	M12A-M5YW-5GNYE/2F5	11 03 005 6101	 5-pole(+PE) male to 2 x 5-pole female  5-pole (+PE) male to 2 x 5-pole (+PE) female(OAC)  5-pole male(+PE) to 2 x 5-pole (+PE) female(PAR) 
	5-pole(+PE) male to 2 x 5-pole(+PE) female	M12A-M5YW-5GNYE/2F5 -OAC-5GNYE	11 03 005 6102	
	5-pole(+PE) male to 2 x 5-pole(+PE) female	M12A-M5YW-5GNYE/2F5 -PAR-5GNYE	11 03 005 6103	

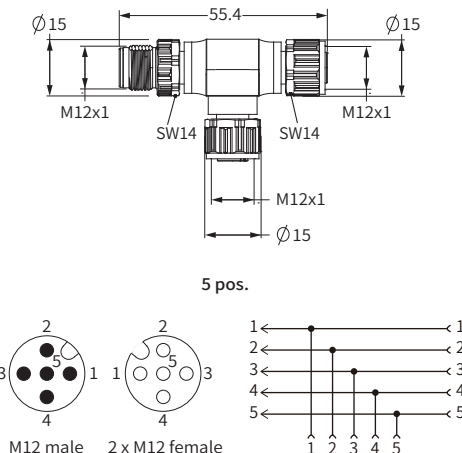
variable circuit, color is optional.

Identification	No. of poles	Type	Part number	Drawing (dimensions in mm)
T-distributors, M12 A-code, M12 male to 2 x M12 female, Anti-vibration 	3 pole	M12A-M3T/2F3	11 03 003 4100	 3 pos.  M12 male 2 x M12 female 4 pos.  M12 male 2 x M12 female
	4 pole	M12A-M4T/2F4	11 03 004 4100	
variable circuit, color is optional.				

Technical characteristics			
Connector	M12		Material(seal)
Version	A-code		FPM/FKM
Rated current	[A]	4	Tightening torque
Rated voltage	[V]	60	3 ... 4 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature
Contact resistance	[mΩ]	≤5	[-25 ... +85 °C]
Material(grip body)	TPU-black		Degree of protection (IP)
Material(contact)	Brass, gold plated		IP67
Material(contact carrier)	TPU+GF		Mating cycles
Material(knurl)	Zinc die-cast/Nickel plated		≥100
			Pollution degree
			3
			Standard
			IEC61076-2-101
			RoHS
			compliant

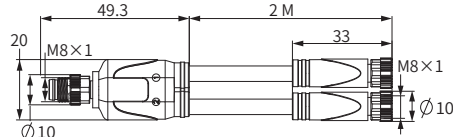
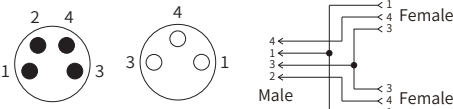
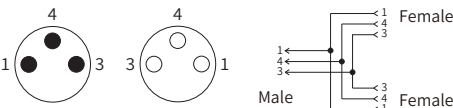
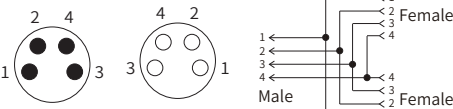
Identification	No. of poles	Type	Part number	Drawing (dimensions in mm)
T-distributors, M12 A-code, M12 male to 2 x M12 female, Anti-vibration 	5 pole	M12A-M5T/2F5	11 03 005 4100	 5 pos.
variable circuit, color is optional.				

Technical characteristics			
Connector	M12		Material(seal)
Version	A-code		FPM/FKM
Rated current	[A]	4	Tightening torque
Rated voltage	[V]	60	3 ... 4 Nm
Insulation resistance	[Ω]	≥10 ⁸	Limiting temperature
Contact resistance	[mΩ]	≤5	[-25 ... +85 °C]
Material(grip body)	TPU-blue		Degree of protection (IP)
Material(contact)	Brass, gold plated		IP67
Material(contact carrier)	TPU+GF		Mating cycles
Material(knurl)	Zinc die-cast/Nickel plated		≥100
			Pollution degree
			3
			Standard
			IEC61076-2-101
			RoHS
			compliant

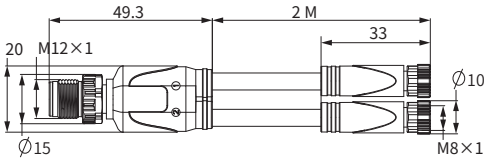
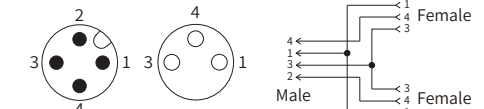
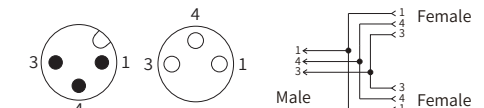
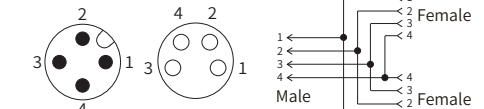
Identification	No. of poles	Type	Part number	Drawing (dimensions in mm)
T-distributors, M12 A-code, M12 male to 2 x M12 female, DeviceNet, Anti-vibration 	5 pole	M12A-M5T/2F5-DN10	11 03 005 4120	 5 pos.
variable circuit, color is optional.				

Technical characteristics					
Connector		M8 A-code	Tightening torque		2.0 Nm
Rated current	[A]	2	Limiting temperature	[°C]	-25 ... +85
Rated voltage	[V]	60	Degree of protection (IP)		IP67
Insulation resistance	[Ω]	≥10 ⁸	Mating cycles		≥100
Contact resistance	[mΩ]	≤5	Pollution degree		3
Material(grip body)		TPU-black	Standard		IEC61076-2-104
Material(contact)		Brass, gold plated	RoHS		compliant
Material(contact carrier)		TPU-black			
Material(knurl)		Zinc die-cast/Nickel plated			
Material(seal)		FPM/FKM			

Technical characteristics					
Connector		M12 A-code to M8 A-code	Tightening torque		2.0 Nm
Rated current	[A]	2	Limiting temperature	[°C]	-25 ... +85
Rated voltage	[V]	60	Degree of protection (IP)		IP67
Insulation resistance	[Ω]	≥10 ⁸	Mating cycles		≥100
Contact resistance	[mΩ]	≤5	Pollution degree		3
Material(grip body)		TPU-black	Standard		IEC61076-2-104
Material(contact)		Brass, gold plated	RoHS		compliant
Material(contact carrier)		TPU-black			
Material(knurl)		Zinc die-cast/Nickel plated			
Material(seal)		FPM/FKM			

Identification	No. of poles	Type	Part number	Drawing (dimensions in mm)
Y-distributors, M8 A-code, M8 male to 2 x M8 female, two cable outlets, cable type: V, Anti-vibration 	4-pole male to 2 x 3-pole female	M8A-M4Y/2F3-2L2V	11 02 004 5190	 4-pole male to 2 x 3-pole female  3-pole male to 2 x 3-pole female(PAR)  4-pole male to 2 x 4-pole female(PAR) 
	3-pole male to 2 x 3-pole female	M8A-M3Y/2F3-PAR-2L2V	11 02 003 5191	
	4-pole male to 2 x 4-pole female	M8A-M4Y/2F4-PAR-2L2V	11 02 004 5191	

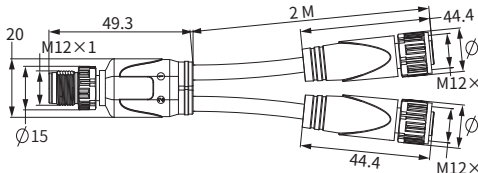
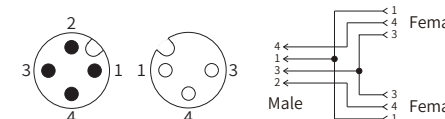
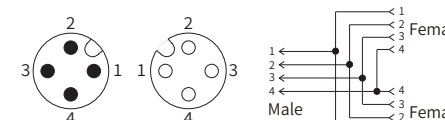
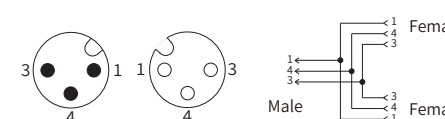
variable cable length, circuit, color is optional.

Identification	No. of poles	Type	Part number	Drawing (dimensions in mm)
Y-distributors, M12 A-code to M8 A-code, M12 male to 2 x M8 female, two cable outlets, cable type: V, Anti-vibration 	4-pole male to 2 x 3-pole female	M12A-M4Y/2F3-M8A-2L2V	11 03 004 5191	 4-pole male to 2 x 3-pole female  3-pole male to 2 x 3-pole female(PAR)  4-pole male to 2 x 4-pole female(PAR) 
	3-pole male to 2 x 3-pole female	M12A-M3Y/2F3-PAR-M8A-2L2V	11 03 003 5191	
	4-pole male to 2 x 4-pole female	M12A-M4Y/2F4-PAR-M8A-2L2V	11 03 004 5192	

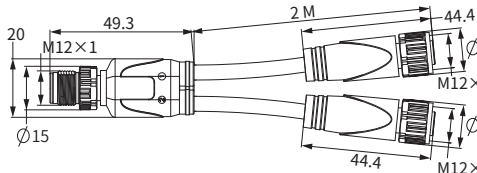
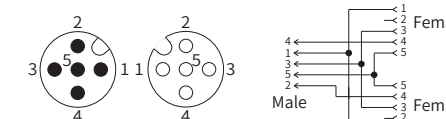
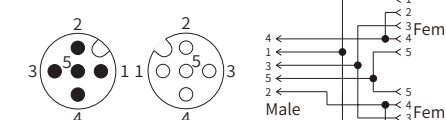
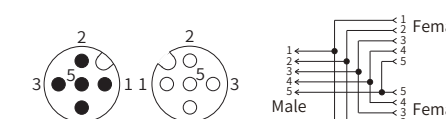
variable cable length, circuit, color is optional.

Technical characteristics					
Connector		M12 A-code	Tightening torque		2.0 Nm
Rated current	[A]	4	Limiting temperature	[°C]	-25 ... +85
Rated voltage	[V]	250	Degree of protection (IP)		IP67
Insulation resistance	[Ω]	≥10 ⁸	Mating cycles		≥100
Contact resistance	[mΩ]	≤5	Pollution degree		3
Material(grip body)		TPU-black	Standard		IEC61076-2-104
Material(contact)		Brass, gold plated	RoHS		compliant
Material(contact carrier)		TPU-black			
Material(knurl)		Zinc die-cast/Nickel plated			
Material(seal)		FPM/FKM			

Technical characteristics					
Connector		M12 A-code	Tightening torque		2.0 Nm
Rated current	[A]	4	Limiting temperature	[°C]	-25 ... +85
Rated voltage	[V]	60	Degree of protection (IP)		IP67
Insulation resistance	[Ω]	≥10 ⁸	Mating cycles		≥100
Contact resistance	[mΩ]	≤5	Pollution degree		3
Material(grip body)		TPU-black	Standard		IEC61076-2-104
Material(contact)		Brass, gold plated	RoHS		compliant
Material(contact carrier)		TPU-black			
Material(knurl)		Zinc die-cast/Nickel plated			
Material(seal)		FPM/FKM			

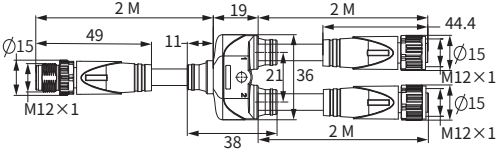
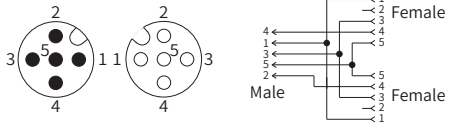
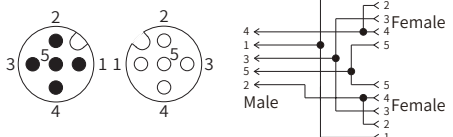
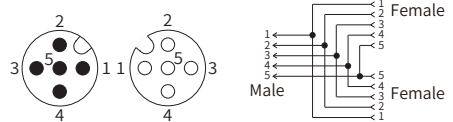
Identification	No. of poles	Type	Part number	Drawing (dimensions in mm)
Y-distributors, M12 A-code, M12 male to 2 x M12 female, two cable outlets, cable type: V, Anti-vibration 	4-pole male to 2 x 3-pole female	M12A-M4Y/2F3-2L2V	11 03 004 5190	 4-pole male to 2 x 3-pole female  4-pole male to 2 x 4-pole female(PAR)  3-pole male to 2 x 3-pole female(SER) 
	4-pole male to 2 x 4-pole female	M12A-M4Y/2F4-PAR-2L2V	11 03 004 5193	
	3-pole male to 2 x 3-pole female	M12A-M3Y/2F3-SER-2L2V	11 03 003 5192	

variable cable length, circuit, color is optional.

Identification	No. of poles	Type	Part number	Drawing (dimensions in mm)
Y-distributors, M12 A-code, M12 male to 2 x M12 female, two cable outlets, cable type: V, Anti-vibration 	5-pole(+PE) male to 2 x 5-pole female	M12A-M5Y-5GNYE/2F5 -2L2V	11 03 005 5191	 5-pole(+PE) male to 2 x 5-pole female  5-pole(+PE) male to 2 x 5-pole(+PE) female(OAC)  5-pole male(+PE) to 2 x 5-pole(+PE) female(PAR) 
	5-pole(+PE) male to 2 x 5-pole(+PE) female	M12A-M5Y-5GNYE/2F5 -OAC-2L2V-5GNYE	11 03 005 5192	
	5-pole(+PE) male to 2 x 5-pole(+PE) female	M12A-M5Y-5GNYE/2F5 -PAR-2L2V-5GNYE	11 03 005 5193	

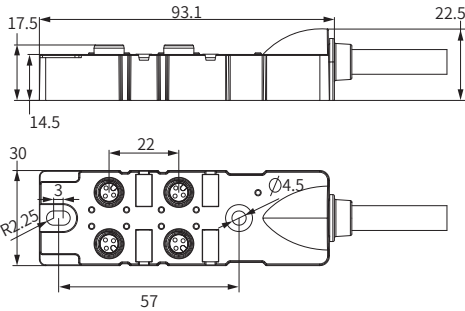
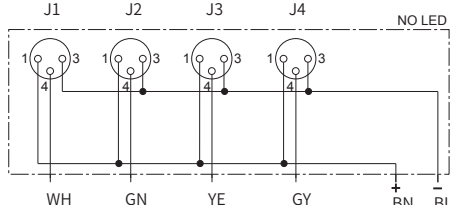
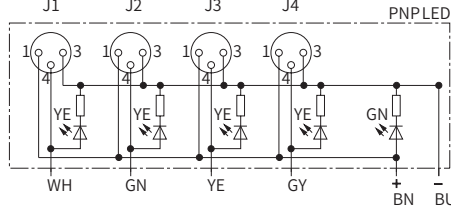
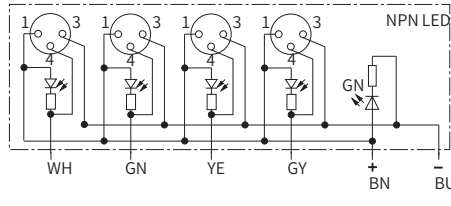
variable cable length, circuit, color is optional.

Technical characteristics					
Connector		M12 A-code	Tightening torque		2.0 Nm
Rated current	[A]	4	Limiting temperature	[°C]	-25 ... +85
Rated voltage	[V]	60	Degree of protection (IP)	IP67	
Insulation resistance	[Ω]	≥10 ⁸	Mating cycles	≥100	
Contact resistance	[mΩ]	≤5	Pollution degree	3	
Material(grip body)	TPU-black		Standard	IEC61076-2-104	
Material(contact)	Brass, gold plated		RoHS	compliant	
Material(contact carrier)	TPU-black				
Material(knurl)	Zinc die-cast/Nickel plated				
Material(seal)	FPM/FKM				

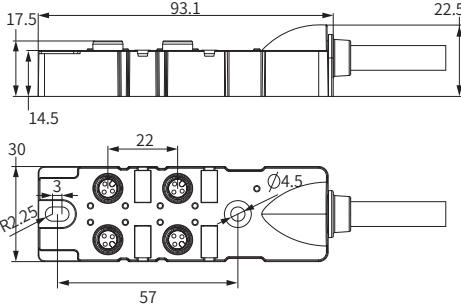
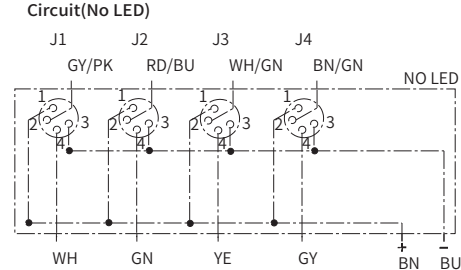
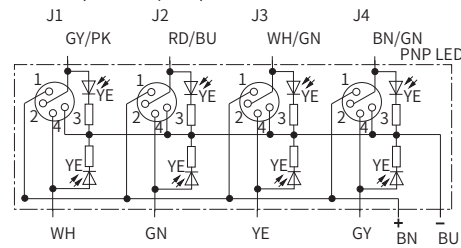
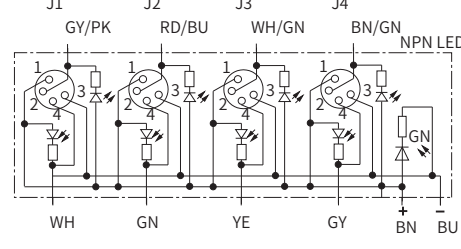
Identification	No. of poles	Type	Part number	Drawing (dimensions in mm)
YW-distributors, M12 A-code, M12 male to 2 x M12 female, two cable outlets, cable type: V, Anti-vibration 	5-pole(+PE) male to 2 x 5-pole female	M12A-M5YW-L2V -5GNYE/2F5-2L2V	11 03 005 6191	 5-pole(+PE) male to 2 x 5-pole female  5-pole(+PE) male to 2 x 5-pole(+PE) female(OAC)  5-pole male(+PE) to 2 x 5-pole(+PE) female(PAR) 
	5-pole(+PE) male to 2 x 5-pole(+PE) female	M12A-M5YW-L2V -5GNYE/2F5-OAC -2L2V-5GNYE	11 03 005 6192	
	5-pole(+PE) male to 2 x 5-pole(+PE) female	M12A-M5YW-L2V -5GNYE/2F5-PAR -2L2V-5GNYE	11 03 005 6193	

variable cable length, circuit, color is optional.

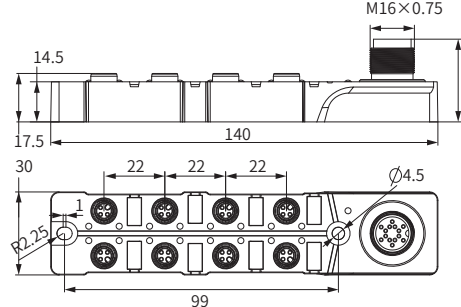
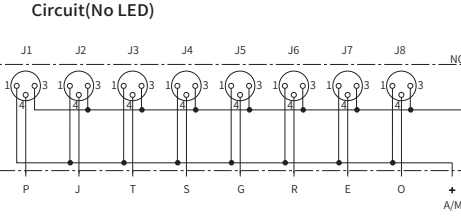
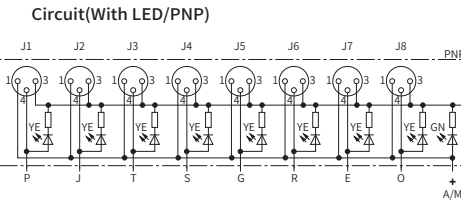
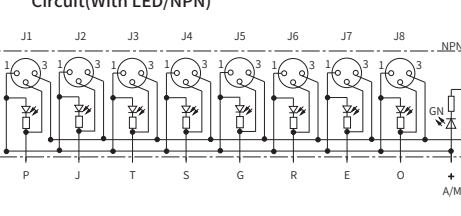
Technical characteristics					
Connector		M8 A-code	Material(knurl)		Zinc die-cast/Nickel plated
Rated current(total)	[A]	6	Material(seal)		FPM/FKM
Rated current(per slot)	[A]	2	Limiting temperature		[°C] -25 ... +85
Rated current(LED)	[mA]	10	Degree of protection (IP)		IP67
Rated voltage	[V]	10 ... 30 VDC	Mating cycles		≥100
Insulation resistance	[Ω]	≥10 ⁸	Pollution degree		3
Contact resistance	[mΩ]	≤5	RoHS		compliant
Material(shell)		Nylon-black			
Material(contact)		Brass, gold plated			
Material(contact carrier)		TPU-black			

Identification	Indication/ Signal type	Type	Part number	Drawing (dimensions in mm)
M8-Junction Boxes, with master cable, single signal per slot, 4 slots, cable type: V 	No LED	M8JB-S4-L2V	11 31 004 0000	 Circuit(No LED)  Circuit(With LED/PNP)  Circuit(With LED/NPN) 
	With LED/PNP	M8JB-S4-LED-PNP-L2V	11 31 004 0001	
	With LED/NPN	M8JB-S4-LED-NPN-L2V	11 31 004 0002	

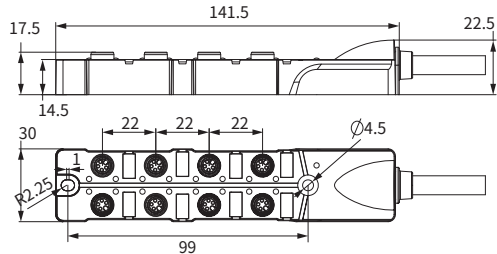
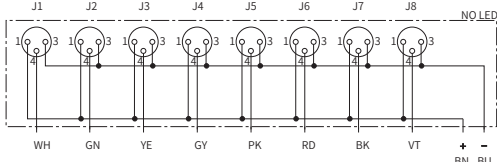
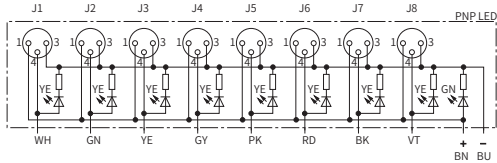
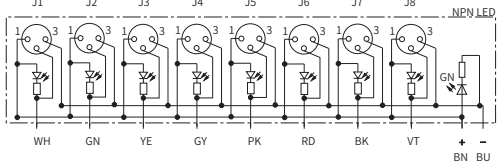
Technical characteristics					
Connector		M8 A-code	Material(knurl)		Zinc die-cast/Nickel plated
Rated current(total)	[A]	6	Material(seal)		FPM/FKM
Rated current(per slot)	[A]	2	Limiting temperature	[°C]	-25 ... +85
Rated current(LED)	[mA]	10	Degree of protection (IP)		IP67
Rated voltage	[V]	10 ... 30 VDC	Mating cycles		≥100
Insulation resistance	[Ω]	≥10 ⁸	Pollution degree		3
Contact resistance	[mΩ]	≤5	RoHS		compliant
Material(shell)		Nylon-black			
Material(contact)		Brass, gold plated			
Material(contact carrier)		TPU-black			

Identification	Indication/ Signal type	Type	Part number	Drawing (dimensions in mm)
M8-Junction Boxes, with master cable, double signal per slot, 4 slots, cable type: V	No LED	M8JB-D4-L2V	11 31 004 1000	 Circuit(No LED)  Circuit(With LED/PNP)  Circuit(With LED/NPN) 
	With LED/PNP	M8JB-D4-LED-PNP-L2V	11 31 004 1001	
	With LED/NPN	M8JB-D4-LED-NPN-L2V	11 31 004 1002	

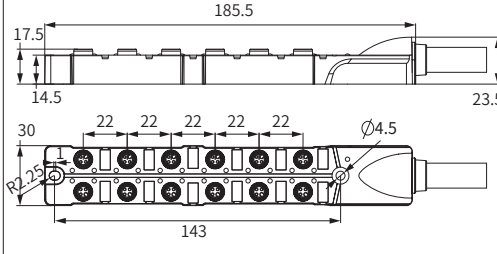
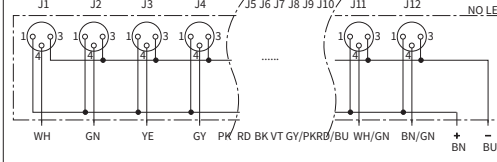
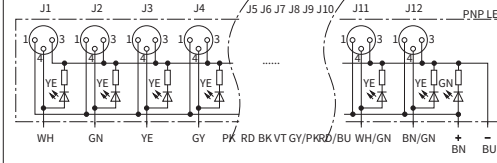
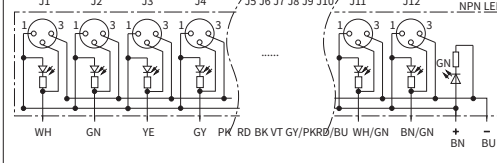
Technical characteristics				
Connector		M16 code, M8 A-code	Material(seal)	FPM/FKM
Rated current(total)	[A]	6	Limiting temperature	[°C] -25 ... +85
Rated current(per slot)	[A]	2	Degree of protection (IP)	IP67
Rated voltage	[V]	10 ... 30 VDC	Mating cycles	≥100
Insulation resistance	[Ω]	≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ]	≤5	RoHS	compliant
Material(shell)		Nylon-black		
Material(contact)		Brass, gold plated		
Material(contact carrier)		TPU-black		
Material(knurl)		Zinc die-cast/Nickel plated		

Identification	Indication/ Signal type	Type	Part number	Drawing (dimensions in mm)
M8-Junction Boxes, M16 male-in connection, vertical, single signal per slot, 8 slots, suitable connectors for master connection: M16-F14.10S-LxV	No LED	M8JB-S8/14.1-M16/V	11 31 008 0110	 Circuit(No LED)  Circuit(With LED/PNP)  Circuit(With LED/NPN) 
	With LED/PNP	M8JB-S8-LED-PNP/ 14.1-M16/V	11 31 008 0111	
	With LED/NPN	M8JB-S8-LED-NPN/ 14.1-M16/V	11 31 008 0112	

Technical characteristics				
Connector		M8 A-code	Material(seal)	FPM/FKM
Rated current(total)	[A]	6	Limiting temperature	[-25 ... +85
Rated current(per slot)	[A]	2	Degree of protection (IP)	IP67
Rated voltage	[V]	10 ... 30 VDC	Mating cycles	≥100
Insulation resistance	[Ω]	≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ]	≤5	RoHS	compliant
Material(shell)		Nylon-black		
Material(contact)		Brass, gold plated		
Material(contact carrier)		TPU-black		
Material(knurl)		Zinc die-cast/Nickel plated		

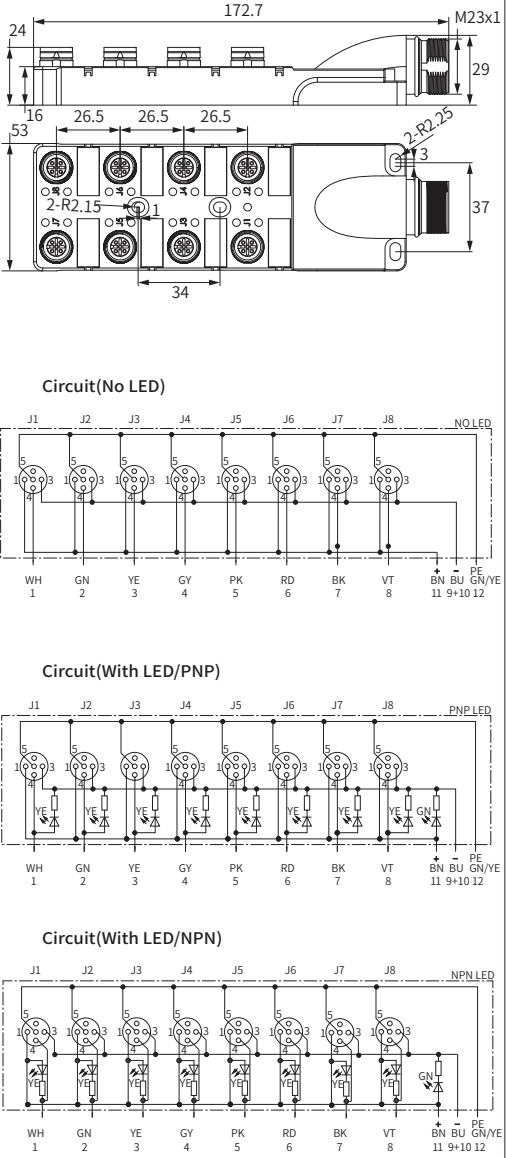
Identification	Indication/ Signal type	Type	Part number	Drawing (dimensions in mm)
M8-Junction Boxes, with master cable, single signal per slot, 8 slots, cable type: V	No LED	M8JB-S8-L2V	11 31 008 0000	 Circuit(No LED)  Circuit(With LED/PNP)  Circuit(With LED/NPN) 
	With LED/PNP	M8JB-S8-LED-PNP-L2V	11 31 008 0001	
	With LED/NPN	M8JB-S8-LED-NPN-L2V	11 31 008 0002	

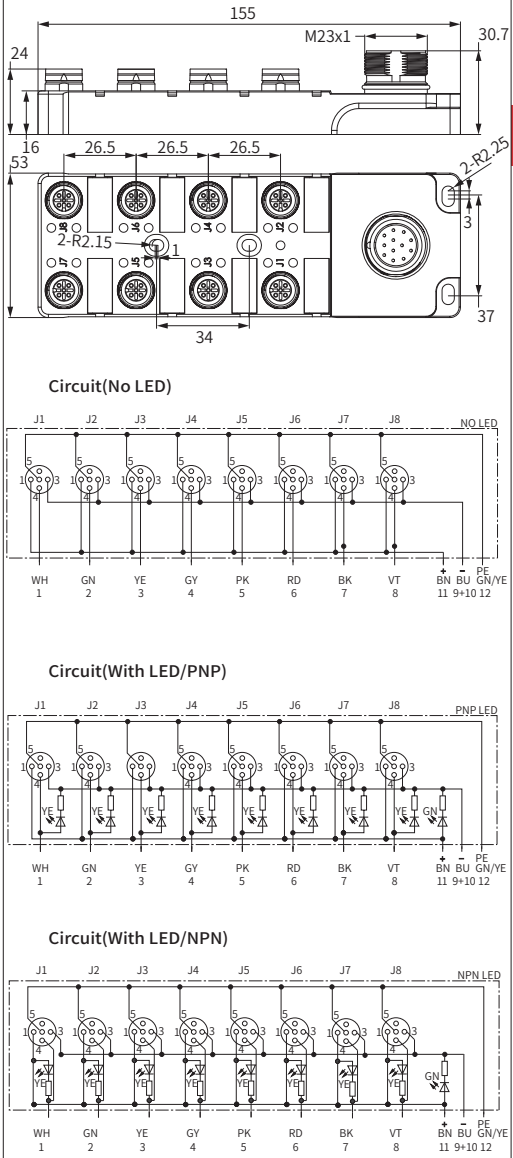
Technical characteristics				
Connector		M8 A-code	Material(seal)	FPM/FKM
Rated current(total)	[A]	6	Limiting temperature	[-25 ... +85
Rated current(per slot)	[A]	2	Degree of protection (IP)	IP67
Rated voltage	[V]	10 ... 30 VDC	Mating cycles	≥100
Insulation resistance	[Ω]	≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ]	≤5	RoHS	compliant
Material(shell)		Nylon-black		
Material(contact)		Brass, gold plated		
Material(contact carrier)		TPU-black		
Material(knurl)		Zinc die-cast/Nickel plated		

Identification	Indication/ Signal type	Type	Part number	Drawing (dimensions in mm)
M8-Junction Boxes, with master cable, single signal per slot, 12 slots, cable type: V	No LED	M8JB-S12-L2V	11 31 012 0000	 Circuit(No LED)  Circuit(With LED/PNP)  Circuit(With LED/NPN) 
	With LED/PNP	M8JB-S12-LED-PNP-L2V	11 31 012 0001	
	With LED/NPN	M8JB-S12-LED-NPN-L2V	11 31 012 0002	

Technical characteristics				
Connector		M12 A-code, M23 code	Material(seal)	FPM/FKM
Rated current(total)	[A]	9	Limiting temperature	[-25 ... +85
Rated current(per slot)	[A]	2	Degree of protection (IP)	IP67
Rated voltage	[V]	10 ... 30 VDC	Mating cycles	≥100
Insulation resistance	[Ω]	≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ]	≤5	RoHS	compliant
Material(shell)		Nylon-black		
Material(contact)		Brass, gold plated		
Material(contact carrier)		TPU-black		
Material(knurl)		Zinc die-cast/Nickel plated		

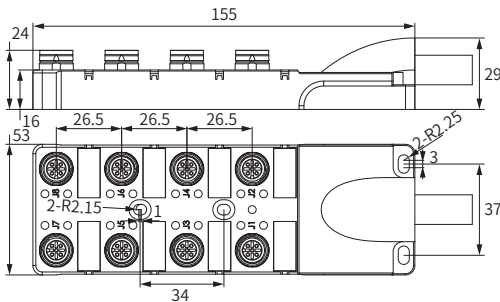
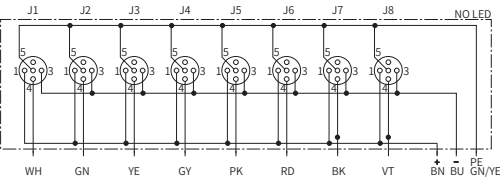
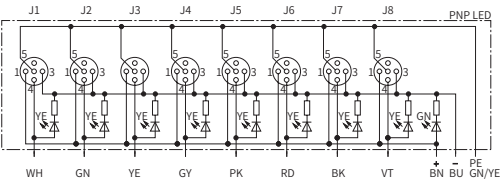
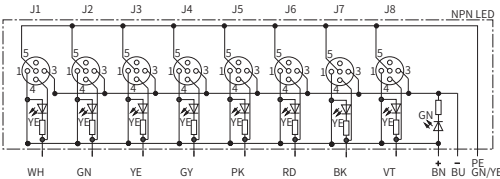
Technical characteristics				
Connector		M12 A-code, M23 code	Material(seal)	FPM/FKM
Rated current(total)	[A]	9	Limiting temperature	[-25 ... +85
Rated current(per slot)	[A]	2	Degree of protection (IP)	IP67
Rated voltage	[V]	10 ... 30 VDC	Mating cycles	≥100
Insulation resistance	[Ω]	≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ]	≤5	RoHS	compliant
Material(shell)		Nylon-black		
Material(contact)		Brass, gold plated		
Material(contact carrier)		TPU-black		
Material(knurl)		Zinc die-cast/Nickel plated		

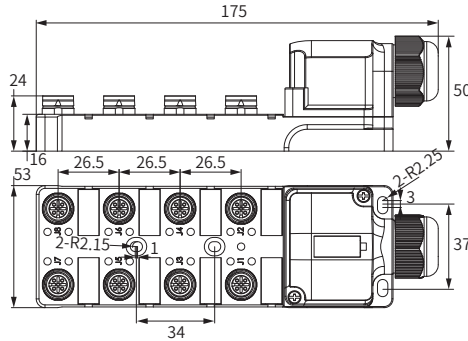
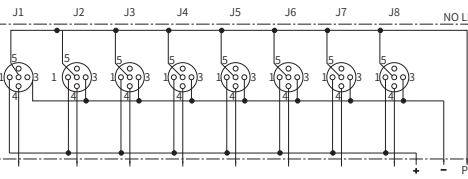
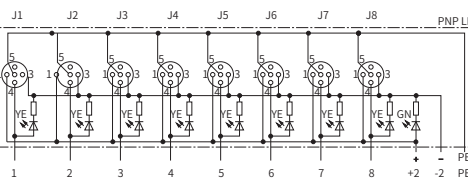
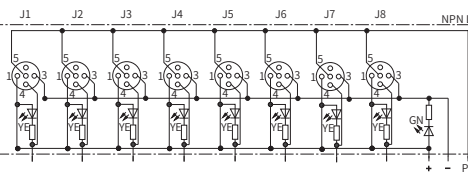
Identification	Indication/ Signal type	Type	Part number	Drawing (dimensions in mm)
M12-Junction Boxes, M23 male-in connection horizontal, single signal per slot, 8 slots, suitable connectors for master connection: M23-F12.11S-LxV	No LED	M12JB-S8/12.11-M23/H	11 32 008 0200	
	With LED/PNP	M12JB-S8-LED-PNP/12.11-M23/H	11 32 008 0201	
	With LED/NPN	M12JB-S8-LED-NPN/12.11-M23/H	11 32 008 0202	

Identification	Indication/ Signal type	Type	Part number	Drawing (dimensions in mm)
M12-Junction Boxes, M23 male-in connection vertical, single signal per slot, 8 slots, suitable connectors for master connection: M23-F12.11S-LxV	No LED	M12JB-S8/12.11-M23/V	11 32 008 0100	
	With LED/PNP	M12JB-S8-LED-PNP/12.11-M23/V	11 32 008 0101	
	With LED/NPN	M12JB-S8-LED-NPN/12.11-M23/V	11 32 008 0102	

Technical characteristics				
Connector		M12 A-code	Material(seal)	FPM/FKM
Rated current(total)	[A]	9	Limiting temperature	[-25 ... +85
Rated current(per slot)	[A]	2	Degree of protection (IP)	IP67
Rated voltage	[V]	10 ... 30 VDC	Mating cycles	≥100
Insulation resistance	[Ω]	≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ]	≤5	RoHS	compliant
Material(shell)		Nylon-black		
Material(contact)		Brass, gold plated		
Material(contact carrier)		TPU-black		
Material(knurl)		Zinc die-cast/Nickel plated		

Technical characteristics				
Connector		M12 A-code	Material(seal)	FPM/FKM
Rated current(total)	[A]	9	Limiting temperature	[-25 ... +85
Rated current(per slot)	[A]	2	Degree of protection (IP)	IP67
Rated voltage	[V]	10 ... 30 VDC	Mating cycles	≥100
Insulation resistance	[Ω]	≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ]	≤5	RoHS	compliant
Material(shell)		Nylon-black		
Material(contact)		Brass, gold plated		
Material(contact carrier)		TPU-black		
Material(knurl)		Zinc die-cast/Nickel plated		

Identification	Indication/ Signal type	Type	Part number	Drawing (dimensions in mm)
M12-Junction Boxes, with master cable, single signal per slot, 8 slots, cable type: V 	No LED	M12JB-S8-L2V	11 32 008 0000	 Circuit(No LED)  Circuit(With LED/PNP)  Circuit(With LED/NPN) 
	With LED/PNP	M12JB-S8-LED -PNP-L2V	11 32 008 0001	
	With LED/NPN	M12JB-S8-LED -NPN-L2V	11 32 008 0002	

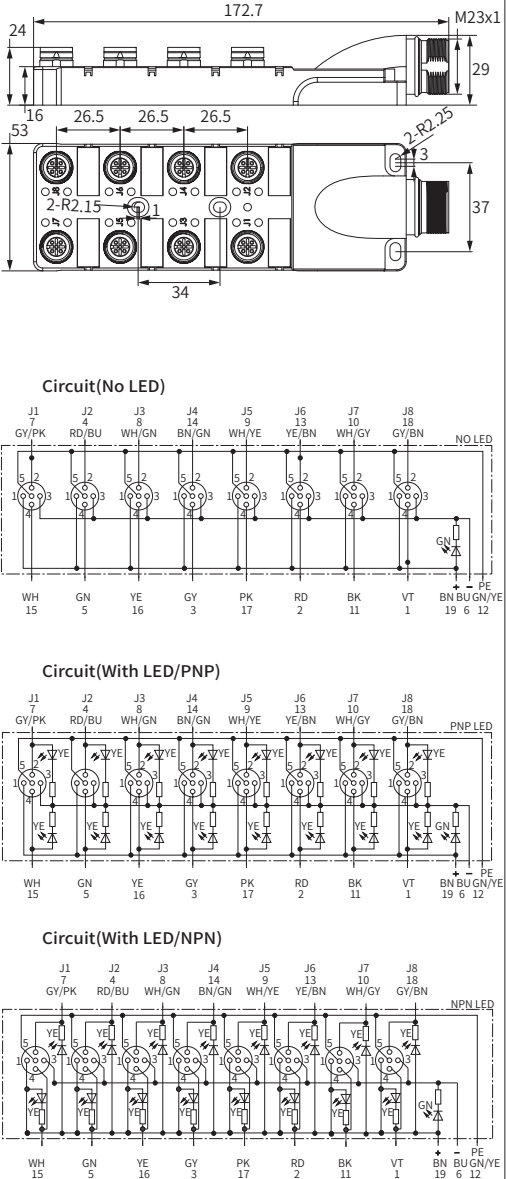
Identification	Indication/ Signal type	Type	Part number	Drawing (dimensions in mm)
M12-Junction Boxes, with plug-in connection, single signal per slot, 8 slots 	No LED	M12JB-S8-B	11 32 008 0300	 Circuit(No LED)  Circuit(With LED/PNP)  Circuit(With LED/NPN) 
	With LED/PNP	M12JB-S8-LED-PNP-B	11 32 008 0301	
	With LED/NPN	M12JB-S8-LED-NPN-B	11 32 008 0302	

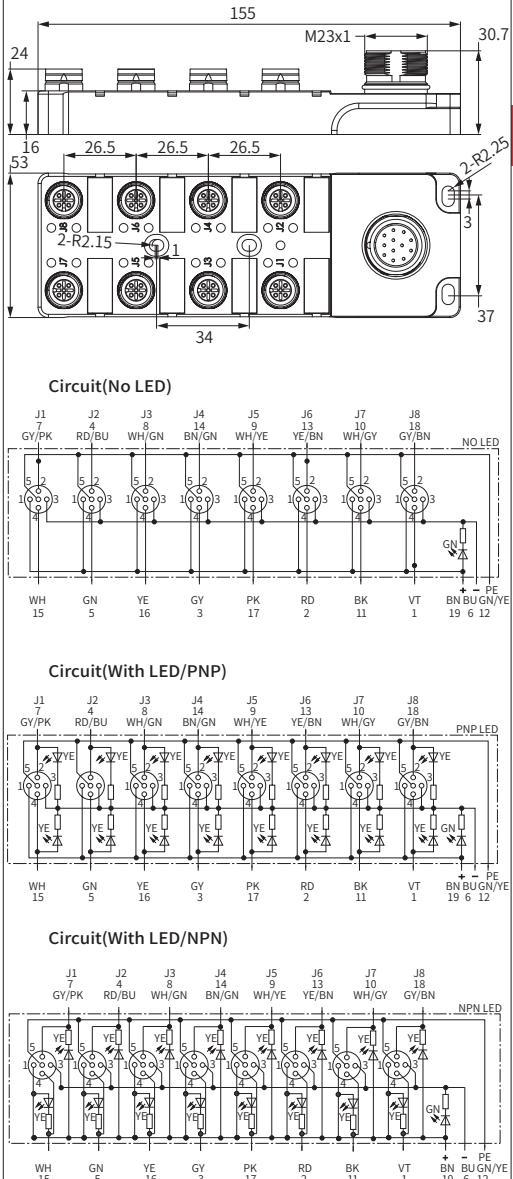
M12-Junction Boxes, 8 slots, M23 male-in connection horizontal, double signal

M12-Junction Boxes, 8 slots, M23 male-in connection vertical, double signal

Technical characteristics				
Connector		M12 A-code, M23 code	Material(seal)	FPM/FKM
Rated current(total)	[A]	9	Limiting temperature	[°C] -25 ... +85
Rated current(per slot)	[A]	2	Degree of protection (IP)	IP67
Rated voltage	[V]	10 ... 30 VDC	Mating cycles	≥100
Insulation resistance	[Ω]	≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ]	≤5	RoHS	compliant
Material(shell)		Nylon-black		
Material(contact)		Brass, gold plated		
Material(contact carrier)		TPU-black		
Material(knurl)		Zinc die-cast/Nickel plated		

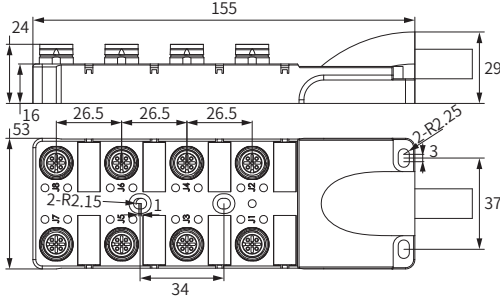
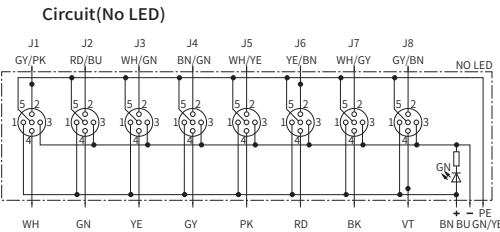
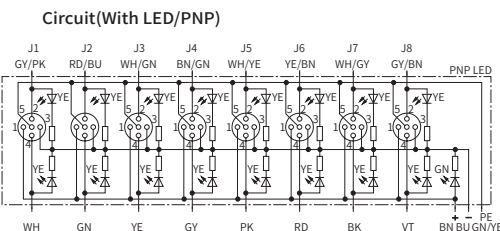
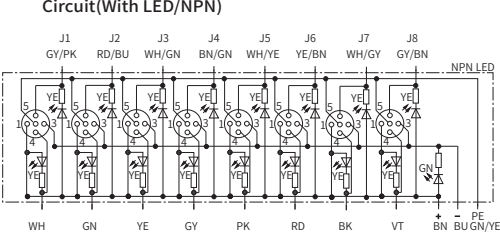
Technical characteristics				
Connector		M12 A-code, M23 code	Material(seal)	FPM/FKM
Rated current(total)	[A]	9	Limiting temperature	[°C] -25 ... +85
Rated current(per slot)	[A]	2	Degree of protection (IP)	IP67
Rated voltage	[V]	10 ... 30 VDC	Mating cycles	≥100
Insulation resistance	[Ω]	≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ]	≤5	RoHS	compliant
Material(shell)		Nylon-black		
Material(contact)		Brass, gold plated		
Material(contact carrier)		TPU-black		
Material(knurl)		Zinc die-cast/Nickel plated		

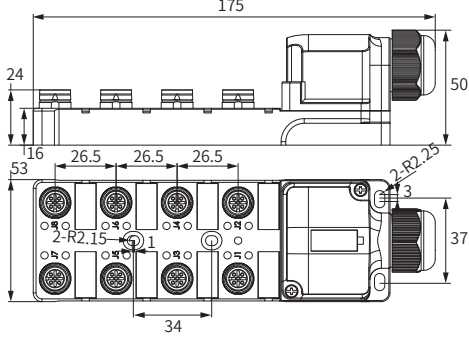
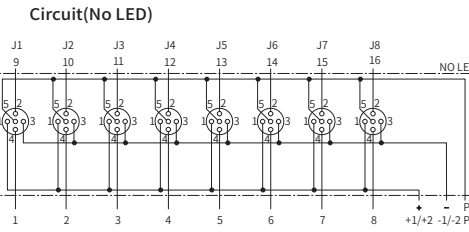
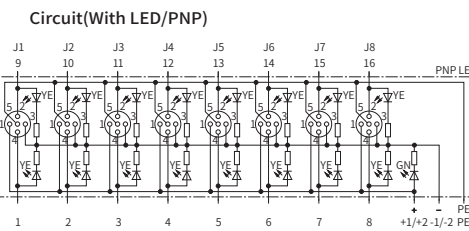
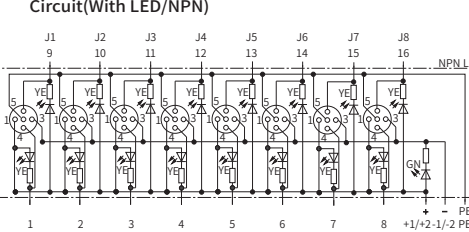
Identification	Indication/ Signal type	Type	Part number	Drawing (dimensions in mm)
M12-Junction Boxes, M23 male-in connection horizontal, double signal per slot, 8 slots, suitable connectors for master connection: M23-F19S-LxV	No LED	M12JB-D8/19-M23/H	11 32 008 1200	
	With LED/PNP	M12JB-D8-LED-PNP/ 19-M23/H	11 32 008 1201	
	With LED/NPN	M12JB-D8-LED-NPN/ 19-M23/H	11 32 008 1202	

Identification	Indication/ Signal type	Type	Part number	Drawing (dimensions in mm)
M12-Junction Boxes, M23 male-in connection vertical, double signal per slot, 8 slots, suitable connectors for master connection: M23-F12.11S-LxV	No LED	M12JB-D8/19-M23/V	11 32 008 1100	
	With LED/PNP	M12JB-D8-LED-PNP/ 19-M23/V	11 32 008 1101	
	With LED/NPN	M12JB-D8-LED-NPN/ 19-M23/V	11 32 008 1102	

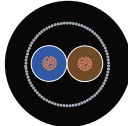
Technical characteristics				
Connector		M12 A-code	Material(seal)	FPM/FKM
Rated current(total)	[A]	9	Limiting temperature	[°C] -25 ... +85
Rated current(per slot)	[A]	2	Degree of protection (IP)	IP67
Rated voltage	[V]	10 ... 30 VDC	Mating cycles	≥100
Insulation resistance	[Ω]	≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ]	≤5	RoHS	compliant
Material(shell)		Nylon-black		
Material(contact)		Brass, gold plated		
Material(contact carrier)		TPU-black		
Material(knurl)		Zinc die-cast/Nickel plated		

Technical characteristics				
Connector		M12 A-code	Material(seal)	FPM/FKM
Rated current(total)	[A]	9	Limiting temperature	[°C] -25 ... +85
Rated current(per slot)	[A]	2	Degree of protection (IP)	IP67
Rated voltage	[V]	10 ... 30 VDC	Mating cycles	≥100
Insulation resistance	[Ω]	≥10 ⁸	Pollution degree	3
Contact resistance	[mΩ]	≤5	RoHS	compliant
Material(shell)		Nylon-black		
Material(contact)		Brass, gold plated		
Material(contact carrier)		TPU-black		
Material(knurl)		Zinc die-cast/Nickel plated		

Identification	Indication/ Signal type	Type	Part number	Drawing (dimensions in mm)
M12-Junction Boxes, with master cable, double signal per slot, 8 slots, cable type: V 	No LED	M12JB-D8-L2V	11 32 008 1000	 Circuit(No LED)  Circuit(With LED/PNP)  Circuit(With LED/NPN) 
	With LED/PNP	M12JB-D8-LED -PNP-L2V	11 32 008 1001	
	With LED/NPN	M12JB-D8-LED -NPN-L2V	11 32 008 1002	

Identification	Indication/ Signal type	Type	Part number	Drawing (dimensions in mm)
M12-Junction Boxes, with plug-in connection, double signal per slot, 8 slots 	No LED	M12JB-D8-B	11 32 008 1300	 Circuit(No LED)  Circuit(With LED/PNP)  Circuit(With LED/NPN) 
	With LED/PNP	M12JB-D8-LED-PNP-B	11 32 008 1301	
	With LED/NPN	M12JB-D8-LED-NPN-B	11 32 008 1302	

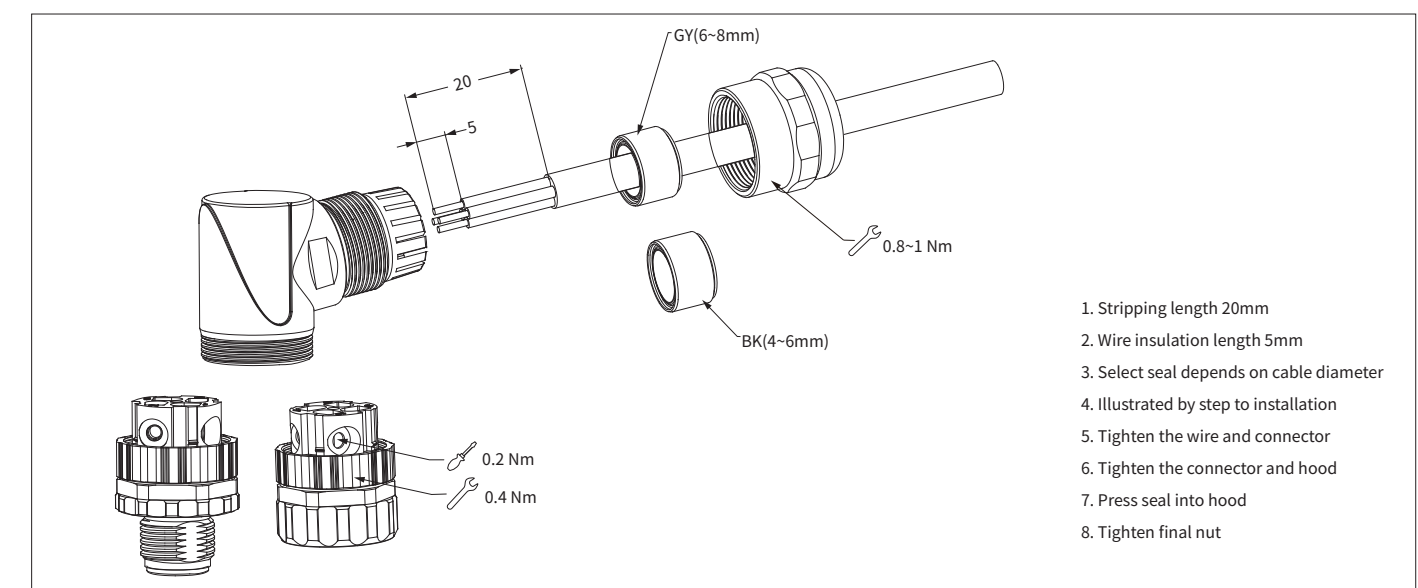
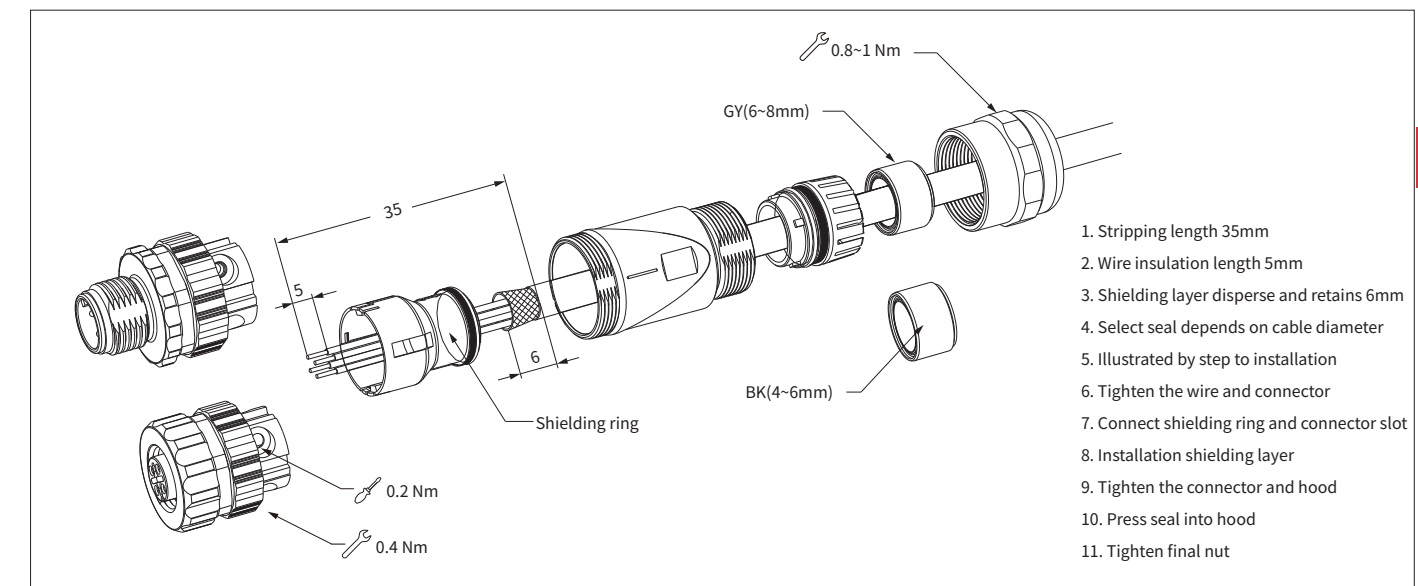
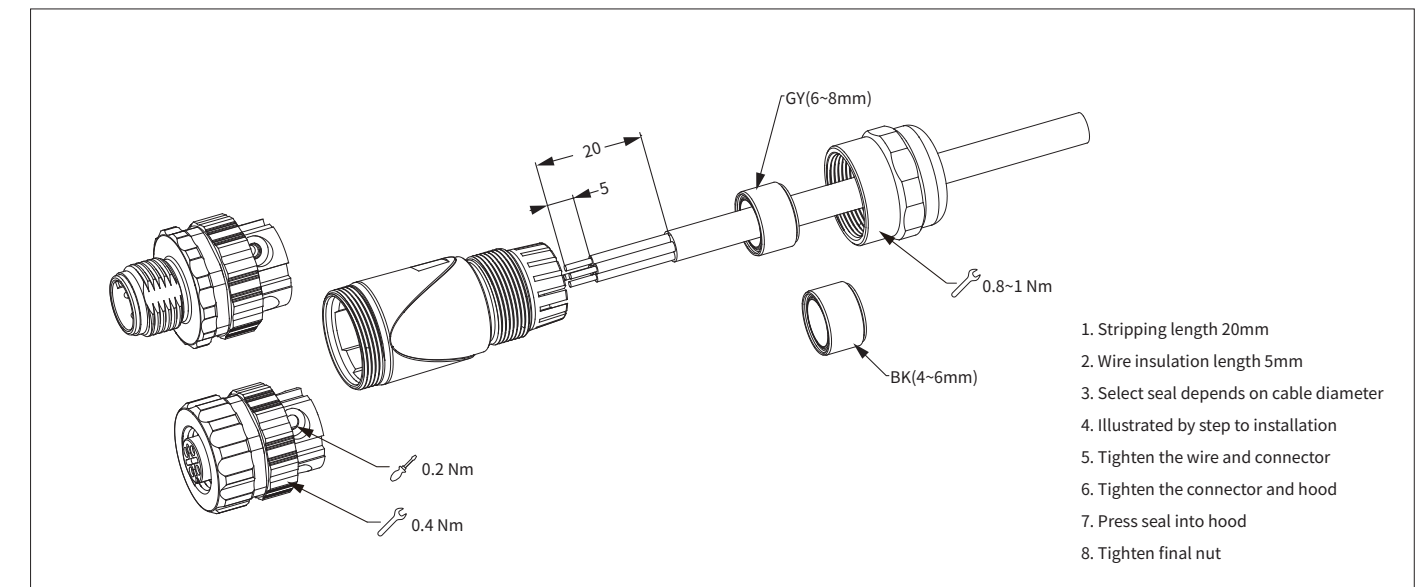
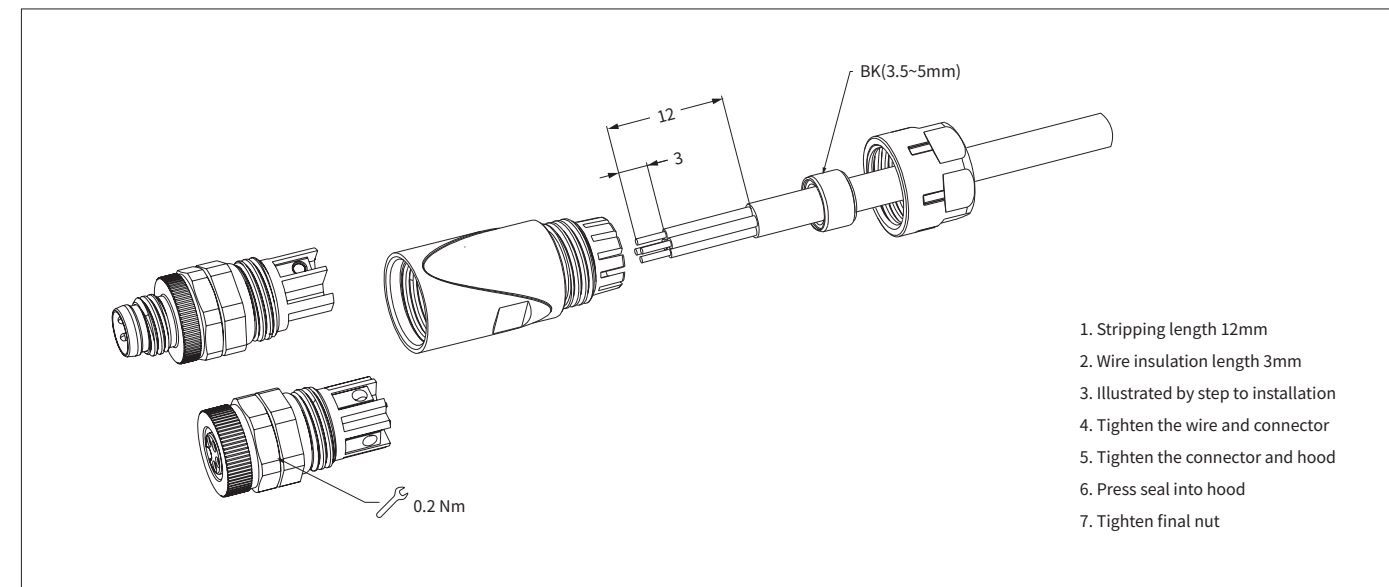
V=PVC(black)
PVC cable is suitable for use in tooling machines, assembly lines, production lines and control systems.
U=PUR(black)
PUR cable offer good resistance to oil and chemicals, suitable for use in tooling machines, assembly lines, production lines, metal cutting, and has a high resistance to abrasion.
UT=PUR-carrier chain(black)
PUR-carrier chain cable is characterized by very long durability, has good resistance to oil, chemicals and abrasion, suitable use in drag chains and industrial robots. Minimal bending cycles are more than 5 million. The cables are halogen and PVC-free, no silicone or substances.
VK=PVC-irradiated, resistant to welding sparks(orange)
PVC- irradiated, resistant to welding sparks-cable offer very long durability, resistance to oils, chemicals, abrasion, temperature and welding sparks, are greatly improved. Safe welding range is 30 cm. The cables are suitable for robust use in welding robots.
UTK=PUR-carrier chain irradiated, resistant to welding sparks(orange)
PUR-carrier chain irradiated, resistant to welding sparks-cables, have great resistance to welding sparks. Safe welding range is 30 cm. The cables are suitable for robust use in welding robots, assembly/production lines and metal cutting.
SV=PVC-shielded(black)
PVC-shielded has excellent performance to against electromagnetic influences with 80% coverage. The cables are suitable to use in electromagnetic interference application.
SUT=PUR-carrier chain shielded(black)
PUR-shielded has excellent performance to against electromagnetic influences with 80% coverage. The cables are suitable to use in electromagnetic interference application.

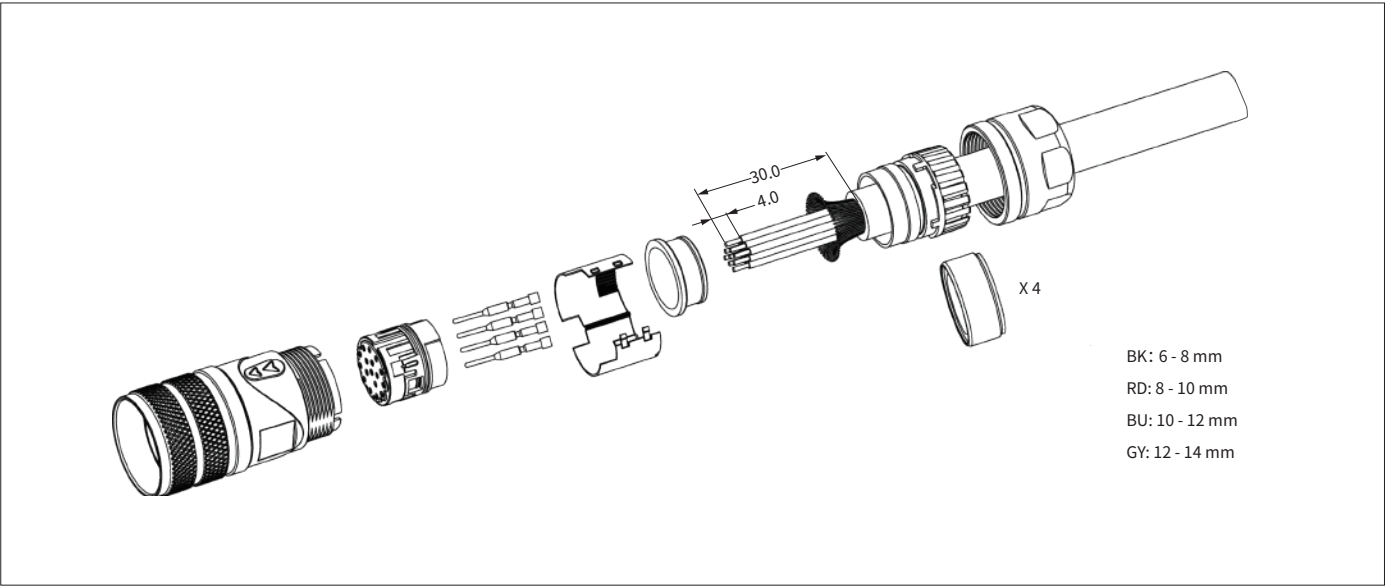
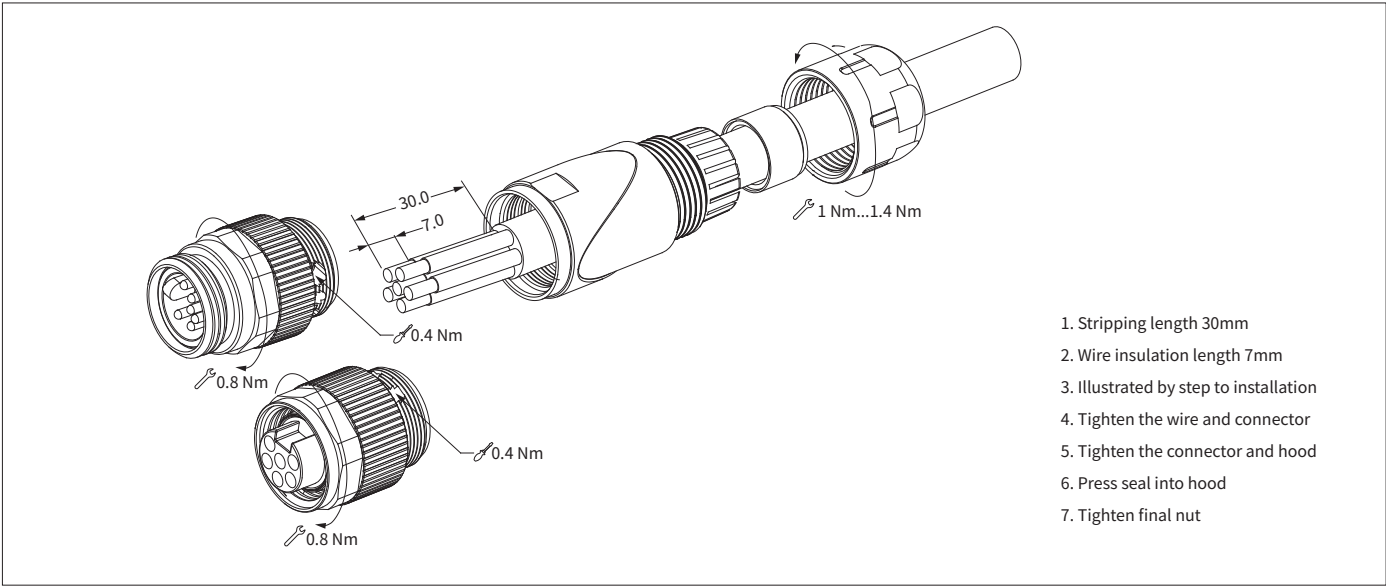

Type	No. of poles	Use	Drawing	Structure	Wire insulation	Limiting temperature	Wire colors	Page
V	2 Pole	M12		2 x 0.34 mm ²	Ø5.2mm/BK PVC	-40 ... +80 °C	BN  BU 	03-03 03-07
		M12 Shielded		2 x 0.34 mm ² Shielding: braid	Ø5.2mm/BK PVC	-40 ... +80 °C	BN  BU 	03-11 03-15
	3 Pole	M8		3 x 0.25 mm ²	Ø4.4mm/BK PVC	-40 ... +80 °C	BN  BU  BK 	01-03 01-04
		M8 Shielded		3 x 0.25 mm ² Shielding: braid	Ø4.4mm/BK PVC	-40 ... +80 °C	BN  BU  BK 	01-05 01-06
		M12		3 x 0.34 mm ²	Ø5.2mm/BK PVC	-40 ... +80 °C	BN  BU  BK 	03-03 03-07
		M12 Shielded		3 x 0.34 mm ² Shielding: braid	Ø5.2mm/BK PVC	-40 ... +80 °C	BN  BU  BK 	03-11 03-15
	4 Pole	M8		4 x 0.25 mm ²	Ø4.4mm/BK PVC	-40 ... +80 °C	BN  WH  BU  BK 	01-03 01-04
		M8 Shielded		4 x 0.25 mm ² Shielding: braid	Ø4.4mm/BK PVC	-40 ... +80 °C	BN  WH  BU  BK 	01-05 01-06
		M12		4 x 0.34 mm ²	Ø5.2mm/BK PVC	-40 ... +80 °C	BN  WH  BU  BK 	03-04 03-08
		M12 Shielded		4 x 0.34 mm ² Shielding: braid	Ø5.2mm/BK PVC	-40 ... +80 °C	BN  WH  BU  BK 	03-12 03-16
	5 Pole	M12		5 x 0.34 mm ²	Ø5.2mm/BK PVC	-40 ... +80 °C	BN  WH  BU  BK  GY 	03-04 03-08
		M12 Shielded		5 x 0.34 mm ² Shielding: braid	Ø5.2mm/BK PVC	-40 ... +80 °C	BN  WH  BU  BK  GY 	03-12 03-16

Type	No. of poles	Use	Drawing	Structure	Wire insulation	Limiting temperature	Wire colors	Page
V	5 Pole + PE contact	M12		(4 x 0.34) + (1 x 0.5)mm²	Ø5.2mm/BK PVC	-40 ... +80 °C	BN WH BU BK GNYE	03-05 03-09
	8 Pole	M12		8 x 0.25 mm²	Ø6.2mm/BK PVC	-40 ... +80 °C	WH BN GN YE GY PK BU RD	03-06 03-10
		M12 Shielded		8 x 0.25 mm² Shielding: braid	Ø6.2mm/BK PVC	-40 ... +80 °C	WH BN GN YE GY PK BU RD	03-14 03-18
U	2 Pole	M12		2 x 0.34 mm²	Ø5.2mm/BK PUR	-40 ... +80 °C	BN BU	03-03 03-07
	3 Pole	M8		3 x 0.25 mm²	Ø4.4mm/BK PUR	-40 ... +80 °C	BN BU BK	01-03 01-04
		M12		3 x 0.34 mm²	Ø5.2mm/BK PUR	-40 ... +80 °C	BN BU BK	03-03 03-07
	4 Pole	M8		4 x 0.25 mm²	Ø4.4mm/BK PUR	-40 ... +80 °C	BN WH BU BK	01-03 01-04
		M12		4 x 0.34 mm²	Ø5.2mm/BK PUR	-40 ... +80 °C	BN WH BU BK	03-04 03-08
	5 Pole	M12		5 x 0.34 mm²	Ø5.2mm/BK PUR	-40 ... +80 °C	BN WH BU BK GY	03-04 03-08
	5 Pole +PE contact	M12		(4 x 0.34) + (1 x 0.5)mm²	Ø5.2mm/BK PUR	-40 ... +80 °C	BN WH BU BK GNYE	03-05 03-09
	8 Pole	M12		8 x 0.25 mm²	Ø6.2mm/BK PUR	-40 ... +80 °C	WH BN GN YE GY PK BU RD	03-06 03-10
UT	2 Pole	M12		2 x 0.34 mm²	Ø5.2mm/BK PUR-carrier chain, bending cycles ≥ 5 million	-40 ... +80 °C	BN BU	03-03 03-07

Type	No. of poles	Use	Drawing	Structure	Wire insulation	Limiting temperature	Wire colors	Page
UT	2 Pole	M12 Shielded		2 x 0.34 mm² Shielding: braid	Ø5.2mm/BK PUR-carrier chain, bending cycles ≥ 5 million	-40 ... +80 °C	BN BU	03-11 03-15
	3 Pole	M8		3 x 0.25 mm²	Ø4.4mm/BK PUR-carrier chain, bending cycles ≥ 5 million	-40 ... +80 °C	BN BU BK	01-03 01-04
		M8 Shielded		3 x 0.25 mm² Shielding: braid	Ø4.4mm/BK PUR-carrier chain, bending cycles ≥ 5 million	-40 ... +80 °C	BN BU BK	01-05 01-06
		M12		3 x 0.34 mm²	Ø5.2mm/BK PUR-carrier chain, bending cycles ≥ 5 million	-40 ... +80 °C	BN BU BK	03-03 03-07
		M12 Shielded		3 x 0.34 mm² Shielding: braid	Ø5.2mm/BK PUR-carrier chain, bending cycles ≥ 5 million	-40 ... +80 °C	BN BU BK	03-11 03-15
	4 Pole	M8		4 x 0.25 mm²	Ø4.4mm/BK PUR-carrier chain, bending cycles ≥ 5 million	-40 ... +80 °C	BN WH BU BK	01-03 01-04
		M8 Shielded		4 x 0.25 mm² Shielding: braid	Ø4.4mm/BK PUR-carrier chain, bending cycles ≥ 5 million	-40 ... +80 °C	BN WH BU BK	01-05 01-06
		M12		4 x 0.34 mm²	Ø5.2mm/BK PUR-carrier chain, bending cycles ≥ 5 million	-40 ... +80 °C	BN WH BU BK	03-04 03-08
		M12 Shielded		4 x 0.34 mm² Shielding: braid	Ø5.2mm/BK PUR-carrier chain, bending cycles ≥ 5 million	-40 ... +80 °C	BN WH BU BK	03-12 03-16
	5 Pole	M12		5 x 0.34 mm²	Ø5.2mm/BK PUR-carrier chain, bending cycles ≥ 5 million	-40 ... +80 °C	BN WH BU BK GY	03-04 03-08
		M12 Shielded		5 x 0.34 mm² Shielding: braid	Ø5.2mm/BK PUR-carrier chain, bending cycles ≥ 5 million	-40 ... +80 °C	BN WH BU BK GY	03-12 03-16
	5 Pole + PE contact	M12		(4 x 0.34) + (1 x 0.5)mm²	Ø5.2mm/BK PUR-carrier chain, bending cycles ≥ 5 million	-40 ... +80 °C	BN WH BU BK GNYE	03-05 03-09

Type	No. of poles	Use	Drawing	Structure	Wire insulation	Limiting temperature	Wire colors	Page
UT	8 Pole	M12		8 x 0.25 mm ²	Ø6.2mm/BK PVC	-40 ... +80 °C	WH BN GN YE GY PK BU RD	03-06 03-10
		M12 Shielded		8 x 0.25 mm ² Shielding: braid	Ø6.2mm/BK PVC	-40 ... +80 °C	WH BN GN YE GY PK BU RD	03-14 03-18
V/DN10	5 Pole	M12		(2 x 0.25) + (2 x 0.34)mm ² + shield; Shielding: foil, braid, drain	Ø6.8mm/GY PVC	-20 ... +80 °C	Shield RD(V+) BK(V-) WH(CAN_H) BU(CAN_L)	05-01 05-02
V/DN32	5 Pole	M12		(2 x 0.25) + (2 x 0.34)mm ² + shield; Shielding: foil, braid, drain	Ø6.8mm/GY PVC-carrier chain, bending cycles ≥ 2 million	Fixed: -20 ... +80 °C Mobile: -10 ... +80 °C	Shield RD(V+) BK(V-) WH(CAN_H) BU(CAN_L)	05-01 05-02





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