

M8 Circular connectors

Standards: IEC-61076-2-104



- **Cable Connector**
 - Versions with assembly
 - Thread locking M8x1
 - Screw-, solder termination
 - Connector moulded on cable
 - Degree of protection IP67/IP65 1)
 - Cable length 2m and 5m (PVC and PUR)
 - **Cable Connector shielded**
 - Assembly possible, moulded on cable
 - Thread locking M8x1
 - Solder-, screw termination
- Further Cable length upon request, minimum order quantity 200 pieces

M8 Circular Connector

30/60V 1.5A/4A

Technical characteristics

	3-pole	4-pole	8-pole
Rated current(40°C)	4A	4A	1.5A
Rated voltage	60V	30V	30V
Rated impulse voltage	800V	800V	800V
Pollution degree	3	3	3
Overvoltage categorie	II	II	II
Contact resistance	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
Connector locking system	screw	screw	screw
Termination	screw, solder	screw, solder	solder
Wire gauge	screw 0.14-0.5mm ² (AWG26-20) ,solder 0.25mm ² (AWG24)	screw 0.14-0.5mm ² (AWG26-20) ,solder 0.25mm ² (AWG24)	0.14mm ² (AWG26)
Cable outlet	3.5-5 mm	3.5-5 mm	3.5-5 mm
Degree of protection	IP67	IP67	IP67
Mechanical operation	> 100	> 100	≥ 100
Limiting temperature	-40°C ...+85°C	-40°C ...+85°C	-40°C ...+85°C
Material group	III	III	III
Material of contact	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Gold
Insulating material	PA	PA	PA
Material of housing	PA	PA	PA

Straight cable connectors Remark: SPQ is 5pcs

Male cable connector, solder



Contacts	Cable outlet	Designation	Order No.
3	3.5-5 mm	M8-MST03-T-D5	162 003 413 3001
4	3.5-5 mm	M8-MST04-T-D5	162 004 413 3001
8	3.5-5 mm	M8-MST08-T-D5	162 008 413 3500

Contact arrangements

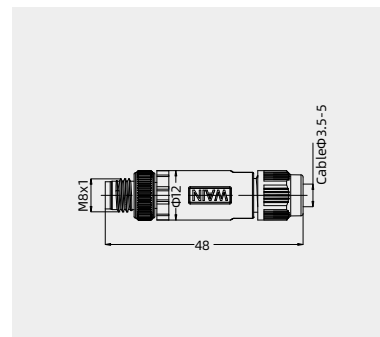
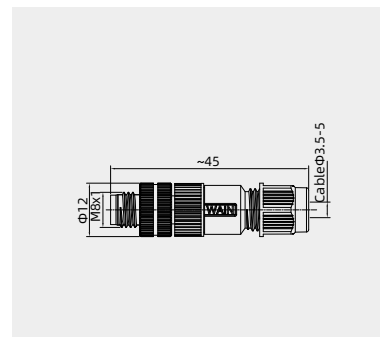


Male cable connector, screw

Recommend to use

Contacts	Cable outlet	Designation	Order No.
3	3.5-5 mm	M8-M03-T-D5	162 003 411 3001
4	3.5-5 mm	M8-M04-T-D5	162 004 411 3001

Contact arrangements



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M8 Circular Connector

30/60V 1.5A/4A

Technical characteristics

	3-pole	4-pole	8-pole
Rated current(40°C)	4A	4A	1.5A
Rated voltage	60V	30V	30V
Rated impulse voltage	800V	800V	800V
Pollution degree	3	3	3
Overvoltage categorie	II	II	II
Contact resistance	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
Connector locking system	screw	screw	screw
Termination	screw, solder	screw, solder	solder
Wire gauge	screw0.14-0.5mm²(AWG26-20),solder 0.25mm²(AWG24)	screw0.14-0.5mm²(AWG26-20),solder 0.25mm²(AWG24)	0.14mm²(AWG26)
Cable outlet	3.5-5 mm,3.5-5.5 mm	3.5-5 mm,3.5-5.5 mm	3.5-5 mm
Degree of protection	IP67	IP67	IP67
Mechanical operation	> 100	> 100	≥ 100
Limiting temperature	-40°C ...+85°C	-40°C ...+85°C	-40°C ...+85°C
Material group	III	III	III
Material of contact	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Gold
Insulating material	PA	PA	PA
Material of housing	CuZn	CuZn	CuZn

Straight cable connectors,shielded Remark: SPQ is 5pcs

Male cable connector, solder, shielded

Recommend to use

Contacts	Cable outlet	Designation	Order No.
3	3.5-5 mm	M8-MST03-T-D5-SH	162 003 413 2001
4	3.5-5 mm	M8-MST04-T-D5-SH	162 004 413 2001
8	3.5-5 mm	M8-MST08-T-D5-SH	162 008 413 2500



Contact arrangements

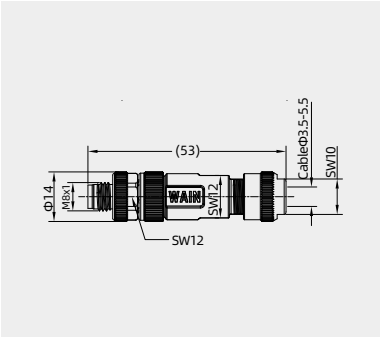
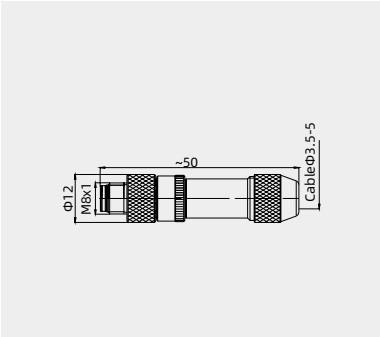


Male cable connector, screw, shielded

Contacts	Cable outlet	Designation	Order No.
3	3.5-5 mm	M8-M03-T-D5.5-SH	162 003 411 2001
4	3.5-5 mm	M8-M04-T-D5.5-SH	162 004 411 2001



Contact arrangements



M8 Circular Connector

30/60V 1.5A/4A

Technical characteristics

	3-pole	4-pole	8-pole
Rated current(40°C)	4A	4A	1.5A
Rated voltage	60V	30V	30V
Rated impulse voltage	800V	800V	800V
Pollution degree	3	3	3
Overvoltage categorie	II	II	II
Contact resistance	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
Connector locking system	screw	screw	screw
Termination	screw, solder	screw, solder	solder
Wire gauge	screw 0.14-0.5mm ² (AWG26-20) ,solder 0.25mm ² (AWG24)		0.14mm ² (AWG26)
Cable outlet	3.5-5 mm	3.5-5 mm	3.5-5 mm
Degree of protection	IP67	IP67	IP67
Mechanical operation	> 100	> 100	≥ 100
Limiting temperature	-40°C ...+85°C	-40°C ...+85°C	-40°C ...+85°C
Material group	III	III	III
Material of contact	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Gold
Insulating material	PA	PA	PA
Material of housing	PA	PA	PA

Angled cable connectors

Remark: SPQ is 1pc

Male cable connector, solder



Contact arrangements



3pin

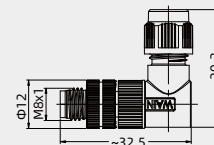


4pin



8pin

Contacts	Cable outlet	Designation	Order No.
3	3.5-5 mm	M8-MST03-S-D5	162 003 513 3001
4	3.5-5 mm	M8-MST04-S-D5	162 004 513 3001
8	3.5-5 mm	M8-MST08-S-D5	162 008 513 3500



Male cable connector, screw



Contact arrangements

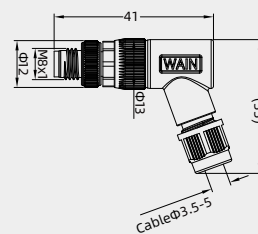


3pin



4pin

Contacts	Cable outlet	Designation	Order No.
3	3.5-5 mm	M8-M03-S-D5	162 003 511 3001
4	3.5-5 mm	M8-M04-S-D5	162 004 511 3001



M8

M8 Circular Connector

30/60V 4A

Technical characteristics

	3-pole	4-pole
Rated current(40°C)	4A	4A
Rated voltage	60V	30V
Rated impulse voltage	800V	800V
Pollution degree	3	3
Overvoltage categorie	II	II
Contact resistance	≤ 10 mΩ	≤ 10 mΩ
Connector locking system	screw	screw
Termination	screw	screw,
Wire gauge	screw 0.14-0.5mm ² (AWG26-20)	screw 0.14-0.5mm ² (AWG26-20)
Cable outlet	3.5-5.5 mm	3.5-5.5 mm
Degree of protection	IP67	IP67
Mechanical operation	> 100	> 100
Limiting temperature	-40°C ...+85°C	-40°C ...+85°C
Material group	III	III
Material of contact	copper alloy	copper alloy
Contact plating	Au	Au
Insulating material	PA	PA
Material of housing	CuZn	CuZn

Angled cable connectors,shielded

Remark: SPQ is 1pc

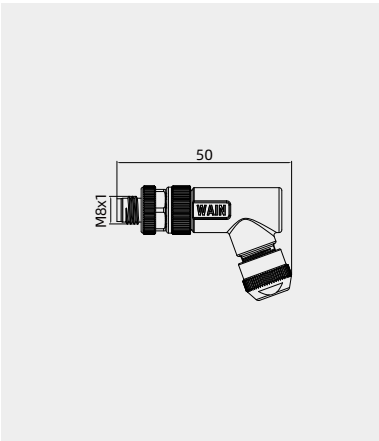
Male cable connector, screw,
shielded

Recommend to use

Contacts	Cable outlet	Designation	Order No.
3	3.5-5 mm	M8-M03-S-D5.5-SH	162 003 501 2003
4	3.5-5 mm	M8-M04-S-D5.5-SH	162 004 501 2003



Contact arrangements



M8 Circular Connector

30/60V 1.5A/4A

Technical characteristics

	3-pole	4-pole	8-pole
Rated current(40°C)	4A	4A	1.5A
Rated voltage	60V	30V	30V
Rated impulse voltage	800V	800V	800V
Pollution degree	3	3	3
Overvoltage categorie	II	II	II
Contact resistance	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
Connector locking system	screw	screw	screw
Termination	screw, solder	screw, solder	solder
Wire gauge	screw 0.14-0.5mm ² (AWG26-20) ,solder 0.25mm ² (AWG24)	screw 0.14-0.5mm ² (AWG26-20) ,solder 0.25mm ² (AWG24)	0.14mm ² (AWG26)
Cable outlet	3.5-5 mm	3.5-5 mm	3.5-5 mm
Degree of protection	IP67	IP67	IP67
Mechanical operation	> 100	> 100	≥ 100
Limiting temperature	-40°C ...+85°C	-40°C ...+85°C	-40°C ...+85°C
Material group	III	III	III
Material of contact	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Gold
Insulating material	PA	PA	PA
Material of housing	PA	PA	PA

Straight cable connectors Remark: SPQ is 5pcs

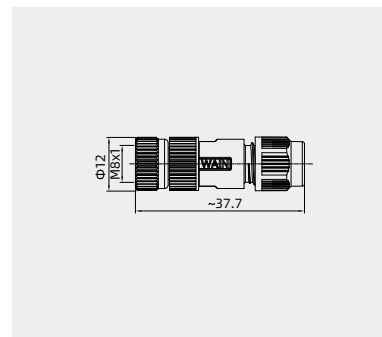
Female cable connector, solder



Contact arrangements



Contacts	Cable outlet	Designation	Order No.
3	3.5-5 mm	M8-FST03-T-D5	162 003 423 3001
4	3.5-5 mm	M8-FST04-T-D5	162 004 423 3001
8	3.5-5 mm	M8-FST08-T-D5	162 008 423 3500



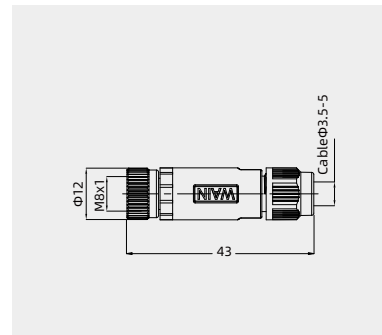
Female cable connector, solder

Recommend to use

Contact arrangements



Contacts	Cable outlet	Designation	Order No.
3	3.5-5 mm	M8-F03-T-D5	162 003 421 3001
4	3.5-5 mm	M8-F04-T-D5	162 004 421 3001



M8

M8 Circular Connector

30/60V 1.5A/4A

Technical characteristics

	3-pole	4-pole	8-pole
Rated current(40°C)	4A	4A	1.5A
Rated voltage	60V	30V	30V
Rated impulse voltage	800V	800V	800V
Pollution degree	3	3	3
Overvoltage categorie	II	II	II
Contact resistance	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
Connector locking system	screw	screw	screw
Termination	screw, solder	screw, solder	solder
Wire gauge	screw0.14-0.5mm²(AWG26-20),solder 0.25mm²(AWG24)	screw0.14-0.5mm²(AWG26-20),solder 0.25mm²(AWG24)	0.14mm²(AWG26)
Cable outlet	3.5-5 mm,3.5-5.5 mm	3.5-5 mm,3.5-5.5 mm	3.5-5 mm
Degree of protection	IP67	IP67	IP67
Mechanical operation	> 100	> 100	≥ 100
Limiting temperature	-40°C ...+85°C	-40°C ...+85°C	-40°C ...+85°C
Material group	III	III	III
Material of contact	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Gold
Insulating material	PA	PA	PA
Material of housing	CuZn	CuZn	CuZn

Straight cable connectors Remark: SPQ is 5pcs

Female cable connector, solder, shielded

Recommend to use



Contacts	Cable outlet	Designation	Order No.
3	3.5-5 mm	M8-FST03-T-D5-SH	162 003 423 2001
4	3.5-5 mm	M8-FST04-T-D5-SH	162 004 423 2001
8	3.5-5 mm	M8-FST08-T-D5-SH	162 008 423 2500

Contact arrangements



Female cable connector, solder, shielded



Contacts	Cable outlet	Designation	Order No.
3	3.5-5 mm	M8-F03-T-D5.5-SH	162 003 421 2001
4	3.5-5 mm	M8-F04-T-D5.5-SH	162 004 421 2001

Contact arrangements



M8 Circular Connector

30/60V 1.5A/4A

Technical characteristics

	3-pole	4-pole	8-pole
Rated current(40°C)	4A	4A	1.5A
Rated voltage	60V	30V	30V
Rated impulse voltage	800V	800V	800V
Pollution degree	3	3	3
Overvoltage categorie	II	II	II
Contact resistance	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
Connector locking system	screw	screw	screw
Termination	screw, solder	screw, solder	solder
Wire gauge	screw 0.14-0.5mm ² (AWG26-20), solder 0.25mm ² (AWG24)	screw 0.14-0.5mm ² (AWG26-20), solder 0.25mm ² (AWG24)	0.14mm ² (AWG26)
Cable outlet	3.5-5 mm	3.5-5 mm	3.5-5 mm
Degree of protection	IP67	IP67	IP67
Mechanical operation	> 100	> 100	≥ 100
Limiting temperature	-40°C ...+85°C	-40°C ...+85°C	-40°C ...+85°C
Material group	III	III	III
Material of contact	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Gold
Insulating material	PA	PA	PA
Material of housing	PA	PA	PA

Angled cable connectors

Remark: SPQ is 1pc

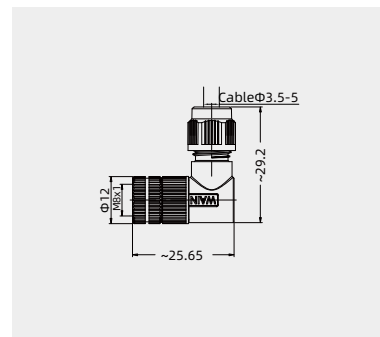
Female cable connector, solder



Contact arrangements



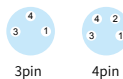
Contacts	Cable outlet	Designation	Order No.
3	3.5-5 mm	M8-FST03-S-D5	162 003 523 3001
4	3.5-5 mm	M8-FST04-S-D5	162 004 523 3001
8	3.5-5 mm	M8-FST08-S-D5	162 008 523 3500



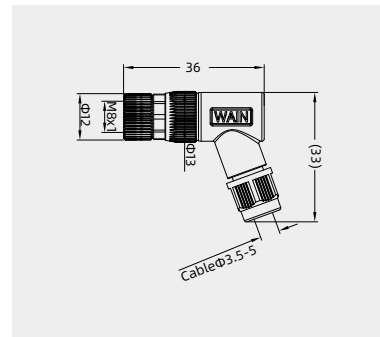
Female cable connector, solder



Contact arrangements



Contacts	Cable outlet	Designation	Order No.
3	3.5-5 mm	M8-F03-S-D5	162 003 521 3001
4	3.5-5 mm	M8-F04-S-D5	162 004 521 3001



M8

M8 Circular Connector

30/60V 4A

Technical characteristics

	3-pole	4-pole
Rated current(40°C)	4A	4A
Rated voltage	60V	30V
Rated impulse voltage	800V	800V
Pollution degree	3	3
Overvoltage categorie	II	II
Contact resistance	≤ 10 mΩ	≤ 10 mΩ
Connector locking system	screw	screw
Termination	screw	screw,
Wire gauge	screw 0.14-0.5mm ² (AWG26-20)	screw 0.14-0.5mm ² (AWG26-20)
Cable outlet	3.5-5.5 mm	3.5-5.5 mm
Degree of protection	IP67	IP67
Mechanical operation	> 100	> 100
Limiting temperature	-40°C ...+85°C	-40°C ...+85°C
Material group	III	III
Material of contact	copper alloy	copper alloy
Contact plating	Au	Au
Insulating material	PA	PA
Material of housing	CuZn	CuZn

Straight cable connectors, shielded Remark: SPQ is 1pc

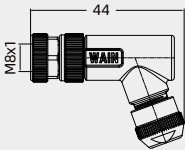
Female cable connector, solder, shielded

Recommend to use

Contacts	Cable outlet	Designation	Order No.
3	3.5-5 mm	M8-F03-S-D5.5-SH	162 003 502 2007
4	3.5-5 mm	M8-F04-S-D5.5-SH	162 004 502 2003



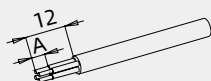
Contact arrangements



Assembly instruction

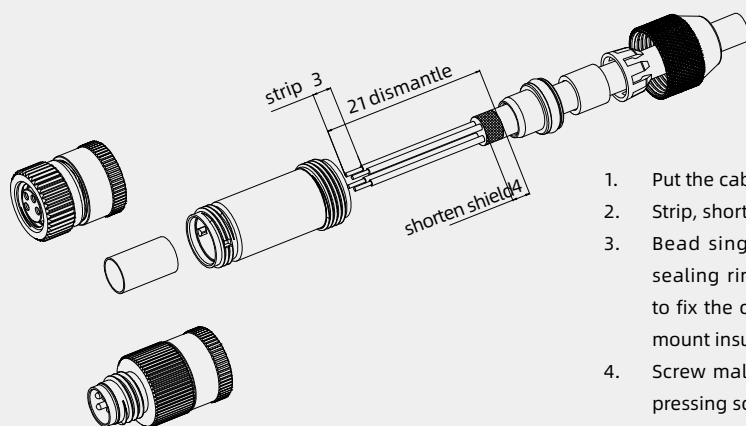
• Assembly instruction

- Strip length cable connectors



	Screw termination	solder version
Strip length A/mm	4mm	3mm

- Straight cable connectors, **shielded, solder**

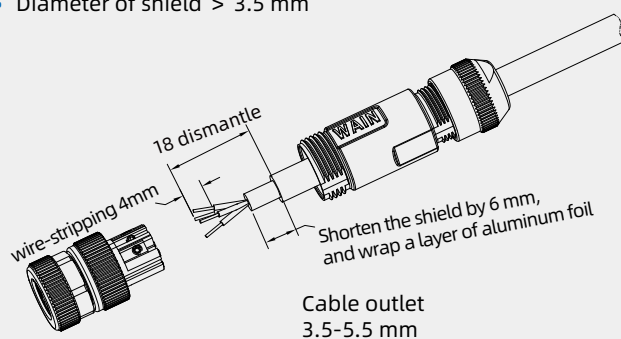


- Put the cable through all the parts of the connector.
- Strip, shorten, widen shield and lay around shielding ring.
- Bead single wires through housing, mount shielding ring, sealing ring and pinch ring. Slightly tighten pressing screw to fix the cable. Bead insulating tube, solder single wires and mount insulating tube.
- Screw male or female contact carrier to housing and tighten pressing screw.
- Angled version: tighten locking screw.

M8

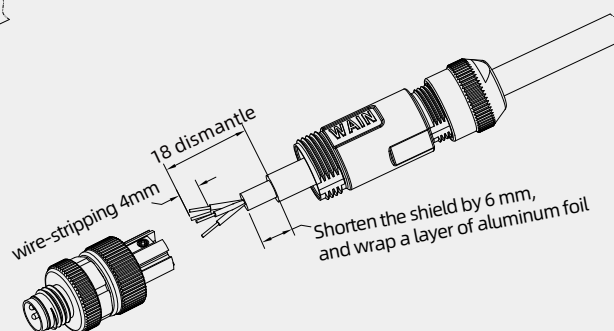
Straight cable connectors, **shielded, screw clamp connection**

- Diameter of shield > 3.5 mm



- Put the cable through the housing.
- Strip cable, shorten shielding braid.
- Connect single wires.
- Screw housing to either male or female contact carrier and tighten pressing screw.

- Diameter of shield ≤ 3.5 mm

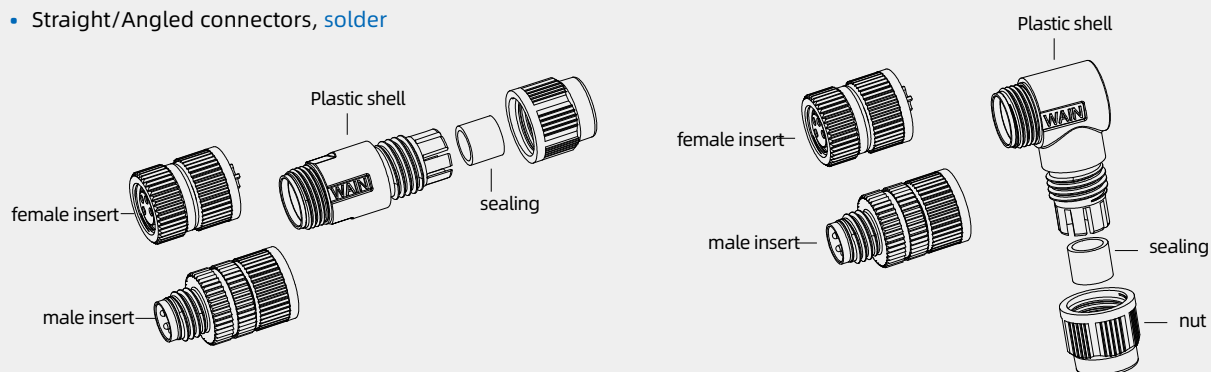


- Put the cable through the housing.
- Strip cable, shorten shielding braid, place it over cable coating and wrap it with copper tape.
- Connect single wires.
- Screw housing to either male or female contact carrier and tighten pressing screw.

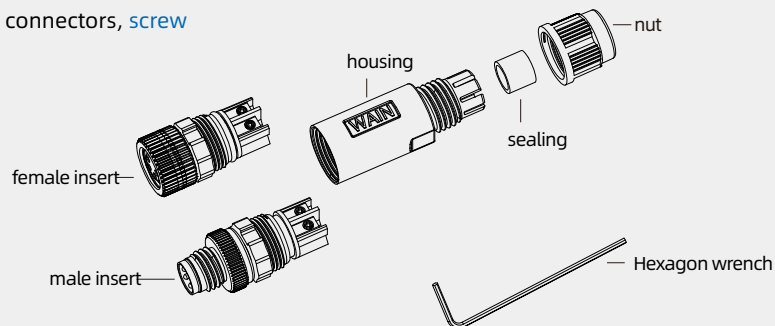
Component part drawing

• Component part drawing

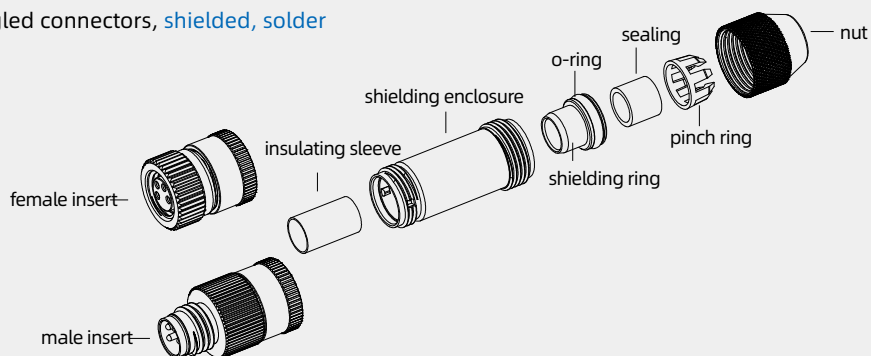
• Straight/Angled connectors, **solder**



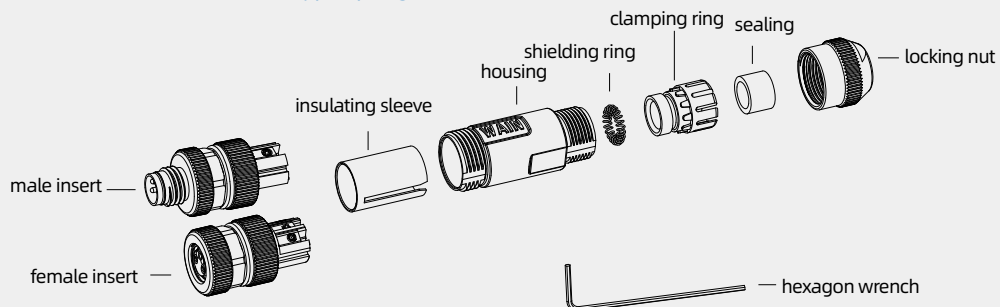
• Straight/Angled connectors, **screw**



• Straight/Angled connectors, **shielded, solder**



• Straight connectors **shielded, screw, iris type spring**

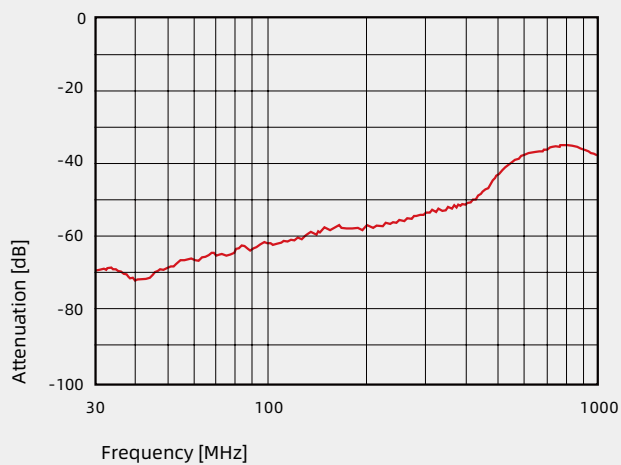


Rating

• Rating

• Attenuation curve

- Attenuation curve according to DIN 47250-6
- For straight cable connectors (cable version IEEE 802.3) shielded



M8 Circular Connector

30/60V 1.5A/4A

Technical characteristics

	3-pole	4-pole	8-pole
Rated current(40°C)	4A	4A	1.5A
Rated voltage	60V	30V	30V
Rated impulse voltage	800V	800V	800V
Pollution degree	3	3	3
Overvoltage categorie	II	II	II
Contact resistance	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
Connector locking system	screw	screw	screw
Termination	crimp, moulded	crimp, moulded	crimp, moulded
Wire gauge	0.25mm ² (AWG24)	0.25mm ² (AWG24)	0.14mm ² (AWG26)
Cable outlet	-	-	-
Degree of protection	IP67	IP67	IP67
Mechanical operation	> 100	> 100	> 100
Limiting temperature	-25°C ...+85°C	-25°C ...+85°C	-25°C ...+85°C
Material group	II	II	II
Material of contact	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Au
Insulating material	PA	PA	PA
Material of housing	TPU	TPU	TPU

Straight cable connectors,cable

Remark: SPQ is 1pc

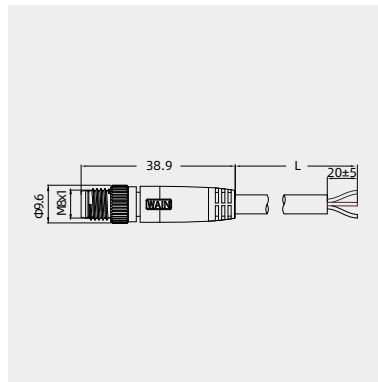
Male cable connector moulded,
screw

Recommend to use



Contacts	Cable length	Cable	Designation	Order No.
3	1.5m	3x0.25PVC	M8-M03-T-1.5-PVC	162 003 401 4001
		3x0.25PUR	M8-M03-T-1.5-PUR	162 003 401 4041
	5.0m	3x0.25PVC	M8-M03-T-5.0-PVC	162 003 401 4002
		3x0.25PUR	M8-M03-T-5.0-PUR	162 003 401 4042
4	1.5m	4x0.25PVC	M8-M04-T-1.5-PVC	162 004 401 4001
		4x0.25PUR	M8-M04-T-1.5-PUR	162 004 401 4041
	5.0m	4x0.25PVC	M8-M04-T-5.0-PVC	162 004 401 4002
		4x0.25PUR	M8-M04-T-5.0-PUR	162 004 401 4042
8	1.5m	8x0.14PVC	M8-M08-T-1.5-PVC	162 008 410 4500
		8x0.14PUR	M8-M08-T-1.5-PUR	162 008 410 4502
	5.0m	8x0.14PVC	M8-M08-T-5.0-PVC	162 008 401 4500
		8x0.14PUR	M8-M08-T-5.0-PUR	162 008 410 4503

Contact arrangements

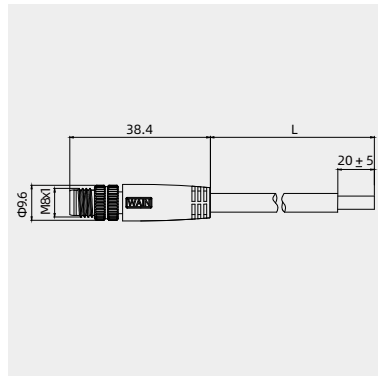
Male cable connector moulded,
screw, shielded

Recommend to use



Contacts	Cable length	Cable	Designation	Order No.
3	1.5m	3x0.25PVC	M8-M03-T-1.5-PVC-SH	162 003 401 2001
		3x0.25PUR	M8-M03-T-1.5-PUR-SH	162 003 401 2041
	5.0m	3x0.25PVC	M8-M03-T-5.0-PVC-SH	162 003 401 2002
		3x0.25PUR	M8-M03-T-5.0-PUR-SH	162 003 401 2042
4	1.5m	4x0.25PVC	M8-M04-T-1.5-PVC-SH	162 004 401 2001
		4x0.25PUR	M8-M04-T-1.5-PUR-SH	162 004 401 2041
	5.0m	4x0.25PVC	M8-M04-T-5.0-PVC-SH	162 004 401 2002
		4x0.25PUR	M8-M04-T-5.0-PUR-SH	162 004 401 2043
8	1.5m	8x0.14PVC	M8-M08-T-1.5-PVC-SH	162 008 410 4501
		8x0.14PUR	M8-M08-T-1.5-PUR-SH	162 008 410 4504
	5.0m	8x0.14PVC	M8-M08-T-5.0-PVC-SH	162 008 401 4501
		8x0.14PUR	M8-M08-T-5.0-PUR-SH	162 008 410 4505

Contact arrangements



•Further cable length upon request, minimum order quantity 200 pieces.

M8 Circular Connector

30/60V 1.5A/4A

Technical characteristics

	3-pole	4-pole	8-pole
Rated current(40°C)	4A	4A	1.5A
Rated voltage	60V	30V	30V
Rated impulse voltage	800V	800V	800V
Pollution degree	3	3	3
Overvoltage categorie	II	II	II
Contact resistance	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
Connector locking system	screw	screw	screw
Termination	crimp, moulded	crimp, moulded	crimp, moulded
Wire gauge	0.25mm ² (AWG24)	0.25mm ² (AWG24)	0.14mm ² (AWG26)
Cable outlet	-	-	-
Degree of protection	IP67	IP67	IP67
Mechanical operation	> 100	> 100	> 100
Limiting temperature	-25°C ...+85°C	-25°C ...+85°C	-25°C ...+85°C
Material group	II	II	II
Material of contact	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Au
Insulating material	PA	PA	PA
Material of housing	TPU	TPU	TPU

Angled cable connectors,cable

Remark: SPQ is 1pc

Male cable connector moulded,
screw

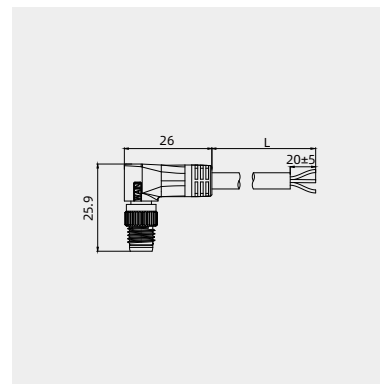
Recommend to use



Contact arrangements



Contacts	Cable length	Cable	Designation	Order No.
3	1.5m	3x0.25PVC	M8-M03-S-1.5-PVC	162 003 501 4001
		3x0.25PUR	M8-M03-S-1.5-PUR	162 003 501 4041
	5.0m	3x0.25PVC	M8-M03-S-5.0-PVC	162 003 501 4002
		3x0.25PUR	M8-M03-S-5.0-PUR	162 003 501 4042
4	1.5m	4x0.25PVC	M8-M04-S-1.5-PVC	162 004 501 4001
		4x0.25PUR	M8-M04-S-1.5-PUR	162 004 501 4041
	5.0m	4x0.25PVC	M8-M04-S-5.0-PVC	162 004 501 4002
		4x0.25PUR	M8-M04-S-5.0-PUR	162 004 501 4042
8	1.5m	8x0.14PVC	M8-M08-S-1.5-PVC	162 008 510 4504
		8x0.14PUR	M8-M08-S-1.5-PUR	162 008 510 4500
	5.0m	8x0.14PVC	M8-M08-S-5.0-PVC	162 008 510 4505
		8x0.14PUR	M8-M08-S-5.0-PUR	162 008 510 4501

Male cable connector moulded,
screw, shielded

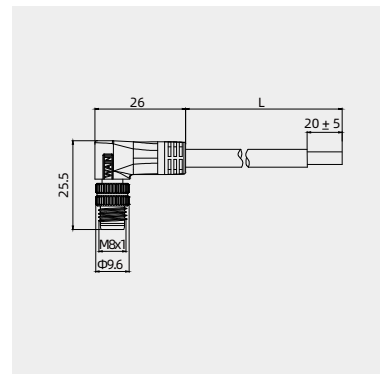
Recommend to use



Contact arrangements



Contacts	Cable length	Cable	Designation	Order No.
3	1.5m	3x0.25PVC	M8-M03-S-1.5-PVC-SH	162 003 501 2001
		3x0.25PUR	M8-M03-S-1.5-PUR-SH	162 003 501 2041
	5.0m	3x0.25PVC	M8-M03-S-5.0-PVC-SH	162 003 501 2002
		3x0.25PUR	M8-M03-S-5.0-PUR-SH	162 003 501 2042
4	1.5m	4x0.25PVC	M8-M04-S-1.5-PVC-SH	162 004 501 2001
		4x0.25PUR	M8-M04-S-1.5-PUR-SH	162 004 501 2041
	5.0m	4x0.25PVC	M8-M04-S-5.0-PVC-SH	162 004 501 2002
		4x0.25PUR	M8-M04-S-5.0-PUR-SH	162 004 501 2042
8	1.5m	8x0.14PVC	M8-M08-S-1.5-PVC-SH	162 008 501 4501
		8x0.14PUR	M8-M08-S-1.5-PUR-SH	162 008 510 4502
	5.0m	8x0.14PVC	M8-M08-S-5.0-PVC-SH	162 008 510 4506
		8x0.14PUR	M8-M08-S-5.0-PUR-SH	162 008 510 4503



•Further cable length upon request, minimum order quantity 200 pieces.

M8 Circular Connector

30/60V 1.5A/4A

Technical characteristics

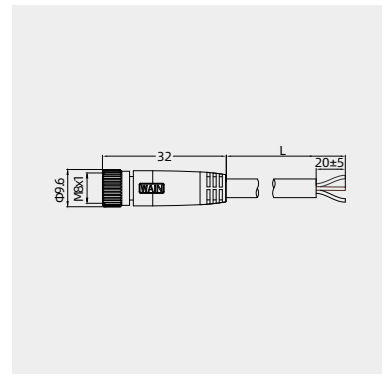
	3-pole	4-pole	8-pole
Rated current(40°C)	4A	4A	1.5A
Rated voltage	60V	30V	30V
Rated impulse voltage	800V	800V	800V
Pollution degree	3	3	3
Overvoltage categorie	II	II	II
Contact resistance	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
Connector locking system	screw	screw	screw
Termination	crimp, moulded	crimp, moulded	crimp, moulded
Wire gauge	0.25mm ² (AWG24)	0.25mm ² (AWG24)	0.14mm ² (AWG26)
Cable outlet	-	-	-
Degree of protection	IP67	IP67	IP67
Mechanical operation	> 100	> 100	> 100
Limiting temperature	-25°C ...+85°C	-25°C ...+85°C	-25°C ...+85°C
Material group	II	II	II
Material of contact	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Au
Insulating material	PA	PA	PA
Material of housing	TPU	TPU	TPU

Straight cable connectors,cable Remark: SPQ is 1pcFemale cable connector moulded,
screwRecommend to use

Contact arrangements



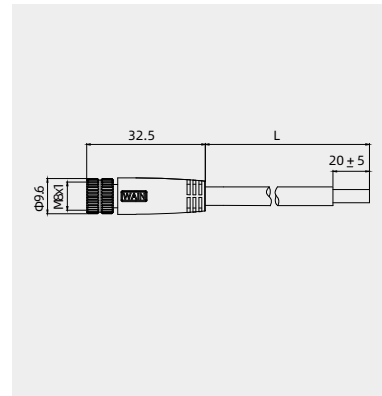
Contacts	Cable length	Cable	Designation	Order No.
3	1.5m	3x0.25PVC	M8-F03-T-1.5-PVC	162 003 402 4001
		3x0.25PUR	M8-F03-T-1.5-PUR	162 003 402 4041
	5.0m	3x0.25PVC	M8-F03-T-5.0-PVC	162 003 402 4002
		3x0.25PUR	M8-F03-T-5.0-PUR	162 003 402 4042
4	1.5m	4x0.25PVC	M8-F04-T-1.5-PVC	162 004 402 4001
		4x0.25PUR	M8-F04-T-1.5-PUR	162 004 402 4041
	5.0m	4x0.25PVC	M8-F04-T-5.0-PVC	162 004 402 4002
		4x0.25PUR	M8-F04-T-5.0-PUR	162 004 402 4042
8	1.5m	8x0.14PVC	M8-F08-T-1.5-PVC	162 008 402 4500
		8x0.14PUR	M8-F08-T-1.5-PUR	162 008 420 4500
	5.0m	8x0.14PVC	M8-F08-T-5.0-PVC	162 008 402 4501
		8x0.14PUR	M8-F08-T-5.0-PUR	162 008 420 4502

Female cable connector moulded,
screw, shielded

Contact arrangements



Contacts	Cable length	Cable	Designation	Order No.
3	1.5m	3x0.25PVC	M8-F03-T-1.5-PVC-SH	162 003 402 2001
		3x0.25PUR	M8-F03-T-1.5-PUR-SH	162 003 402 4061
	5.0m	3x0.25PVC	M8-F03-T-5.0-PVC-SH	162 003 402 4022
		3x0.25PUR	M8-F03-T-5.0-PUR-SH	162 003 402 4062
4	1.5m	4x0.25PVC	M8-F04-T-1.5-PVC-SH	162 004 402 2001
		4x0.25PUR	M8-F04-T-1.5-PUR-SH	162 004 402 2041
	5.0m	4x0.25PVC	M8-F04-T-5.0-PVC-SH	162 004 402 2002
		4x0.25PUR	M8-F04-T-5.0-PUR-SH	162 004 402 2042
8	1.5m	8x0.14PVC	M8-F08-T-1.5-PVC-SH	162 008 420 4501
		8x0.14PUR	M8-F08-T-1.5-PUR-SH	162 008 420 4503
	5.0m	8x0.14PVC	M8-F08-T-5.0-PVC-SH	162 008 402 4502
		8x0.14PUR	M8-F08-T-5.0-PUR-SH	162 008 420 4504

•Further cable length upon request, minimum order quantity 200 pieces.

M8 Circular Connector

30/60V 1.5A/4A

Technical characteristics

	3-pole	4-pole	8-pole
Rated current(40°C)	4A	4A	1.5A
Rated voltage	60V	30V	30V
Rated impulse voltage	800V	800V	800V
Pollution degree	3	3	3
Overvoltage categorie	II	II	II
Contact resistance	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
Connector locking system	screw	screw	screw
Termination	crimp, moulded	crimp, moulded	crimp, moulded
Wire gauge	0.25mm ² (AWG24)	0.25mm ² (AWG24)	0.14mm ² (AWG26)
Cable outlet	-	-	-
Degree of protection	IP67	IP67	IP67
Mechanical operation	> 100	> 100	> 100
Limiting temperature	-25°C ...+85°C	-25°C ...+85°C	-25°C ...+85°C
Material group	II	II	II
Material of contact	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Au
Insulating material	PA	PA	PA
Material of housing	TPU	TPU	TPU

Angled cable connectors,cable

Female cable connector moulded,
screw

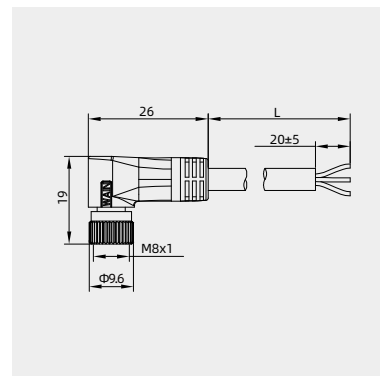
Recommend to use



Contact arrangements



Contacts	Cable length	Cable	Designation	Order No.
3	1.5m	3x0.25PVC	M8-F03-S-1.5-PVC	162 003 502 4001
		3x0.25PUR	M8-F03-S-1.5-PUR	162 003 502 4041
	5.0m	3x0.25PVC	M8-F03-S-5.0-PVC	162 003 502 4002
		3x0.25PUR	M8-F03-S-5.0-PUR	162 003 502 4042
4	1.5m	4x0.25PVC	M8-F04-S-1.5-PVC	162 004 502 4001
		4x0.25PUR	M8-F04-S-1.5-PUR	162 004 502 4041
	5.0m	4x0.25PVC	M8-F04-S-5.0-PVC	162 004 502 4002
		4x0.25PUR	M8-F04-S-5.0-PUR	162 004 502 4042
8	1.5m	8x0.14PVC	M8-F08-S-1.5-PVC	162 008 520 4504
		8x0.14PUR	M8-F08-S-1.5-PUR	162 008 520 4500
	5.0m	8x0.14PVC	M8-F08-S-5.0-PVC	162 008 520 4505
		8x0.14PUR	M8-F08-S-5.0-PUR	162 008 520 4501



M8

Female cable connector moulded,
screw,shielded

Recommend to use

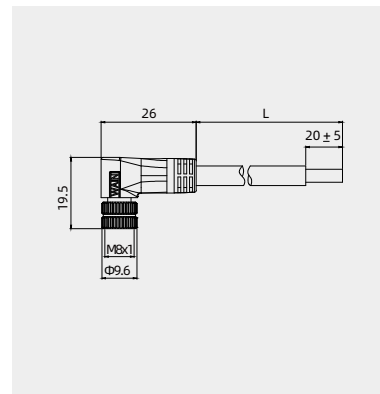


Contact arrangements



Remark: SPQ is 1pc

Contacts	Cable length	Cable	Designation	Order No.
3	1.5m	3x0.25PVC	M8-F03-S-1.5-PVC-SH	162 003 502 2001
		3x0.25PUR	M8-F03-S-1.5-PUR-SH	162 003 502 4061
	5.0m	3x0.25PVC	M8-F03-S-5.0-PVC-SH	162 003 502 2002
		3x0.25PUR	M8-F03-S-5.0-PUR-SH	162 003 502 4062
4	1.5m	4x0.25PVC	M8-F04-S-1.5-PVC-SH	162 004 502 2001
		4x0.25PUR	M8-F04-S-1.5-PUR-SH	162 004 502 2041
	5.0m	4x0.25PVC	M8-F04-S-5.0-PVC-SH	162 004 502 2002
		4x0.25PUR	M8-F04-S-5.0-PUR-SH	162 004 502 2042
8	1.5m	8x0.14PVC	M8-F08-S-1.5-PVC-SH	162 008 520 4501
		8x0.14PUR	M8-F08-S-1.5-PUR-SH	162 008 520 4502
	5.0m	8x0.14PVC	M8-F08-S-5.0-PVC-SH	162 008 520 4506
		8x0.14PUR	M8-F08-S-5.0-PUR-SH	162 008 520 4503



•Further cable length upon request, minimum order quantity 200 pieces.

M8 Circular Connector

30/60V 4A

Technical characteristics

	3-pole
Rated current(40°C)	4A
Rated voltage	60V
Rated impulse voltage	800V
Pollution degree	3
Overvoltage categorie	II
Contact resistance	≤ 10 mΩ
Connector locking system	screw
Termination	crimp, moulded
Wire gauge	0.25mm²(AWG24)
Cable outlet	-
Degree of protection	IP67
Mechanical operation	> 100, ≥ 100
Limiting temperature	-25°C ...+85°C
Material group	II
Material of contact	copper alloy
Contact plating	Au, Gold
Insulating material	PA
Material of housing	TPU

Angled cable connectors,cable

Male cable connector moulded,
screw, shielded

Recommend to use

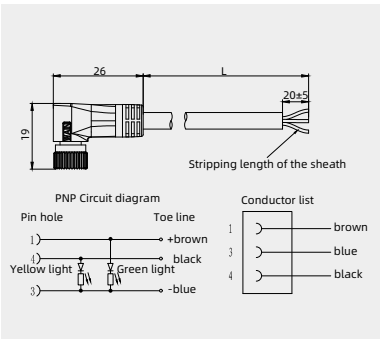
M8



Contact arrangements



Contacts	Cable length	Cable	Designation	Order No.
3	1.5m	3x0.25PVC	M8-F03-S-1.5-PVC-LED	162 003 502 4003
		3x0.25PUR	M8-F03-S-1.5-PUR-LED	162 003 502 4043
	5.0m	3x0.25PVC	M8-F03-S-5.0-PVC-LED	162 003 502 4004
		3x0.25PUR	M8-F03-S-5.0-PUR-LED	162 003 502 4044



Male cable connector moulded,
screw, shielded

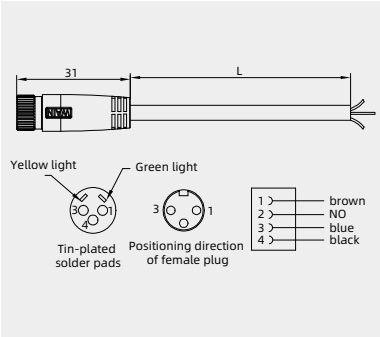
Recommend to use



Contact arrangements



Contacts	Cable length	Cable	Designation	Order No.
3	1.5m	3x0.25PVC	M8-F03-T-1.5-PVC-LED	162 003 402 4559



M8 Circular Connector

30/60V 4A

Technical characteristics

	3-pole	4-pole
Rated current(40°C)	4A	4A
Rated voltage	60V	30V
Rated impulse voltage	800V	800V
Pollution degree	3	3
Overvoltage categorie	II	II
Contact resistance	≤ 10 mΩ	≤ 10 mΩ
Connector locking system	screw	screw
Termination	crimp, moulded	crimp, moulded
Wire gauge	0.25mm ² (AWG24)	0.25mm ² (AWG24)
Cable outlet	-	-
Degree of protection	IP67	IP67
Mechanical operation	> 100	> 100
Limiting temperature	-25°C ...+85°C	-25°C ...+85°C
Material group	II	II
Material of contact	copper alloy	copper alloy
Contact plating	Au	Au
Insulating material	PA	PA
Material of housing	TPU	TPU

Cable connectors-wire jumper

Remark: SPQ is 1pc

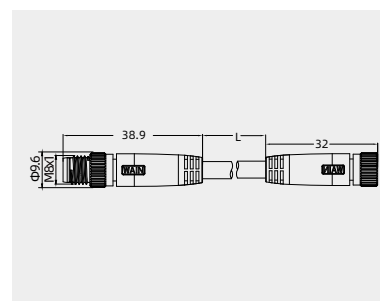
Male/female cable connector



Contact arrangements



Contacts	Cable length	Cable	Designation	Order No.
3	1.5m	3x0.25PVC	M8-M03-T/F03-T-1.5-PVC	162 003 401 4010
		3x0.25PUR	M8-M03-T/F03-T-1.5-PUR	162 003 401 4011
	5.0m	3x0.25PVC	M8-M03-T/F03-T-5.0-PVC	162 003 401 4506
		3x0.25PUR	M8-M03-T/F03-T-5.0-PUR	162 003 401 4004
4	1.5m	4x0.25PVC	M8-M04-T/F04-T-1.5-PVC	162 004 401 4010
		4x0.25PUR	M8-M04-T/F04-T-1.5-PUR	162 004 401 4011
	5.0m	4x0.25PVC	M8-M04-T/F04-T-5.0-PVC	162 004 401 4007
		4x0.25PUR	M8-M04-T/F04-T-5.0-PUR	162 004 401 4008



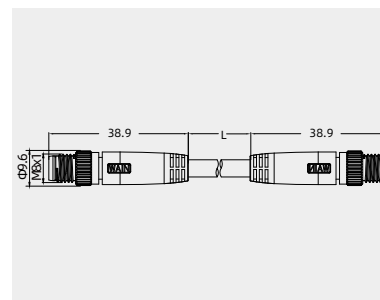
Male cable connector



Contact arrangements



Contacts	Cable length	Cable	Designation	Order No.
3	1.5m	3x0.25PVC	M8-M03-T/M03-T-1.5-PVC	162 003 401 4012
		3x0.25PVC	M8-M03-T/M03-T-5.0-PVC	162 003 401 4013
4	5.0m	4x0.25PVC	M8-M04-T/M04-T-1.5-PVC	162 004 401 4012
		4x0.25PVC	M8-M04-T/M04-T-5.0-PVC	162 004 401 4009



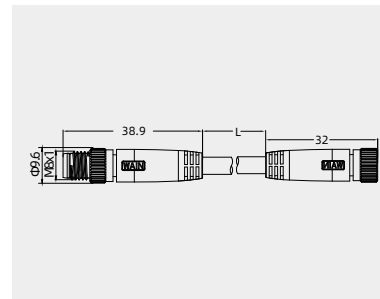
Female cable connector



Contact arrangements



Contacts	Cable length	Cable	Designation	Order No.
3	1.5m	3x0.25PVC	M8-F03-T/F03-T-1.5-PVC	162 003 402 4006
		3x0.25PVC	M8-F03-T/F03-T-5.0-PVC	162 003 402 4005
4	5.0m	4x0.25PVC	M8-F04-T/F04-T-1.5-PVC	162 004 402 4014
		4x0.25PVC	M8-F04-T/F04-T-5.0-PVC	162 004 402 4013



•Other cable lengths can be customized, PVC/PUR double-ended connectors, male/female, straight/angled, shielded/unshielded, freely combinable.

M8 Circular Connector

30V 4A

Technical characteristics

	4-pole
Rated current(40°C)	4A
Rated voltage	30V
Rated impulse voltage	800V
Pollution degree	3
Overvoltage categorie	II
Contact resistance	≤ 10 mΩ
Connector locking system	screw
Termination	crimp, moulded
Wire gauge	0.25mm ² (AWG24)
Cable outlet	-
Degree of protection	IP67
Mechanical operation	> 100
Limiting temperature	-25°C ...+85°C
Material group	II
Material of contact	copper alloy
Contact plating	Au
Insulating material	PA
Material of housing	TPU

Cable connectors-wire jumper

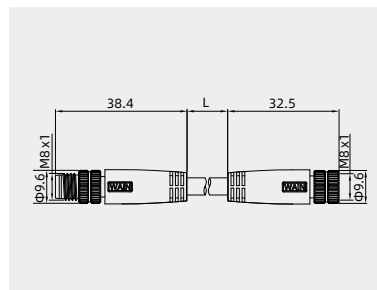
Remark: SPQ is 1pc

Male/female cable connector



Contacts	Cable length	Cable	Designation	Order No.
4	1.5m	4x0.25PUR	M8-M04-T/F04-T-1.5-PUR-EtherCat	162 004 401 4077
	5.0m	4x0.25PUR	M8-M04-T/F04-T-5.0-PUR-EtherCat	162 004 401 4045

Contact arrangements

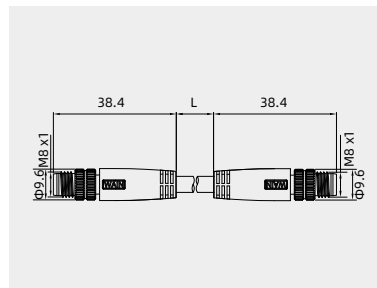


Male cable connector



Contacts	Cable length	Cable	Designation	Order No.
4	1.5m	4x0.25PUR	M8-M04-T/M04-T-1.5-PUR-EtherCat	162 004 401 4080
	5.0m	4x0.25PUR	M8-M04-T/M04-T-5.0-PUR-EtherCat	162 004 401 4014

Contact arrangements

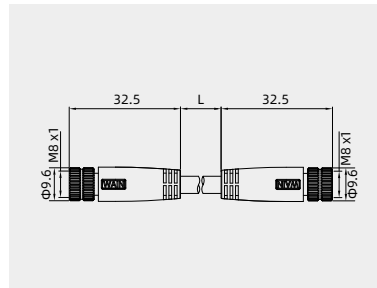


Female cable connector



Contacts	Cable length	Cable	Designation	Order No.
4	1.5m	4x0.25PUR	M8-F04-T/F04-T-1.5-PUR-EtherCat	162 004 402 4021
	5.0m	4x0.25PUR	M8-F04-T/F04-T-5.0-PUR-EtherCat	162 004 402 4022

Contact arrangements



•Other cable lengths can be customized, PVC/PUR double-ended connectors, male/female, straight/angled, shielded/unshielded, freely combinable.

M8 Circular Connector

30V 4A

Technical characteristics

	4-pole
Rated current(40°C)	4A
Rated voltage	30V
Rated impulse voltage	800V
Pollution degree	3
Overvoltage categorie	II
Contact resistance	≤ 10 mΩ
Connector locking system	screw
Termination	crimp, moulded
Wire gauge	0.25mm ² (AWG24)
Cable outlet	-
Degree of protection	IP67
Mechanical operation	> 100
Limiting temperature	-25°C ...+85°C
Material group	II
Material of contact	copper alloy
Contact plating	Au
Insulating material	PA
Material of housing	TPU

Cable connectors-wire jumper Remark: SPQ is 1pc

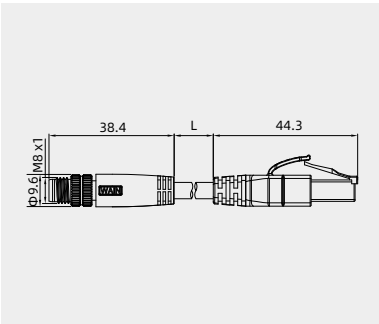
Male cable connector



Contact arrangements



Contacts	Cable length	Cable	Designation	Order No.
4	1.5m	4x0.25PUR	M8-M04-T/RJ45-T-1.5-PUR-EtherCat	162 004 401 4087
	5.0m	4x0.25PUR	M8-M04-T/RJ45-T-5.0-PUR-EtherCat	162 004 401 4097



M8

•Other cable lengths can be customized, PVC/PUR double-ended connectors, male/female, straight/angled, shielded/unshielded, freely combinable.

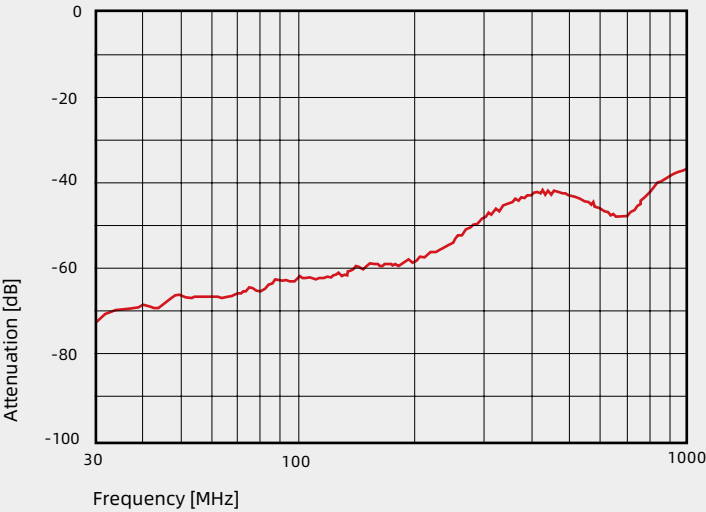
Technical characteristics

Specifications of standard cable

	3-pole	4-pole
Wire gauge mm ²	3x0.14mm ² / 3x0.25mm ²	4x0.25mm ²
Material jacket	PVC/PUR / PVC/PUR	PUR / PVC
Insulation wire	PVC	PVC
Design of wire (mm)	18x0.1 / 32x0.1	32x0.1
Cable jacket (mm)	3 / 4.5	4.5
Resistance of wire	148Ω/Km / 79.5Ω/Km / 72Ω/Km	79.9Ω/Km
Temperature range (cable in move)	-5°C ...+70°C	-5°C ...+70°C
Temperature range (cable not in move)	-15°C ...+70°C	-15°C ...+70°C
Bending radius (cable in move)	min. 10xD	min. 10xD
Bending radius (cable not in move)	min. 5xD	min. 5xD
Approval	-	-

Attenuation curve

- Attenuation curve according to DIN 47250-6
- For straight cable connectors



M8 Circular Connector

30/60V 4A

Technical characteristics

	3-pole	4-pole	8-pole
Rated current(40°C)	4A	4A	1.5A
Rated voltage	60V	30V	30V
Rated impulse voltage	800V	800V	800V
Pollution degree	3	3	3
Overvoltage categorie	II	II	II
Contact resistance	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
Connector locking system	screw	screw	screw
Termination	dip solder, single-strand 0.25mm ²	dip solder, single-strand 0.25mm ²	single-strand 0.14mm ²
Wire gauge	0.25mm ² (AWG24)	0.25mm ² (AWG24)	0.14mm ² (AWG26)
Cable outlet	-	-	-
Degree of protection	IP67	IP67	IP67
Mechanical operation	> 100	> 100	> 100
Limiting temperature	-40°C ...+85°C	-40°C ...+85°C	-40°C ...+85°C
Material group	II	II	II
Material of contact	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Au
Insulating material	PA	PA	PA
Material of housing	CuZn	CuZn	CuZn

Socket

Male panel mount connector
with single wires 0.25mm²
length 0.2m

Recommend to use



Contact arrangements



Male panel mount connector,
front fastened, with single wires
0.25mm²,length 0.2m



Contact arrangements



Remark: SPQ is 1pc

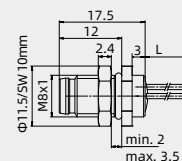
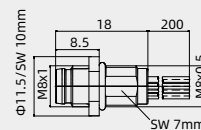
Contacts	Thread	Designation	Order No.
3	M8	M8-M03-BK-M8-W0.25	162 003 301 4001
4	M8	M8-M04-BK-M8-W0.25	162 004 301 4001
8	M8	M8-M08-BK-M8-W0.14	162 008 310 0500

Customized cable length upon request

Remark: SPQ is 1pc

Contacts	Thread	Designation	Order No.
3	M8	M8-M03-BKR-M8-W0.25	162 003 301 4011
4	M8	M8-M04-BKR-M8-W0.25	162 004 301 4011

Customized cable length upon request



M8

M8 Circular Connector

30/60V 4A

Technical characteristics

	3-pole	4-pole	8-pole
Rated current(40°C)	4A	4A	1.5A
Rated voltage	60V	30V	30V
Rated impulse voltage	800V	800V	800V
Pollution degree	3	3	3
Overvoltage categorie	II	II	II
Contact resistance	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
Connector locking system	screw	screw	screw
Termination	dip solder, single-strand 0.25mm ²	dip solder, single-strand 0.25mm ²	single-strand 0.14mm ²
Wire gauge	0.25mm ² (AWG24)	0.25mm ² (AWG24)	0.14mm ² (AWG26)
Cable outlet	-	-	-
Degree of protection	IP67	IP67	IP67
Mechanical operation	> 100	> 100	> 100
Limiting temperature	-40°C ...+85°C	-40°C ...+85°C	-40°C ...+85°C
Material group	II	II	II
Material of contact	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Au
Insulating material	PA	PA	PA
Material of housing	CuZn	CuZn	CuZn

Socket

Male panel mount connector,
front fastened, with single wires
0.14mm²,length 0.2m



M8

Contact arrangements



8pin

Male panel mount connector,
front fastened, dip solder



Contact arrangements



3pin

4pin

8pin

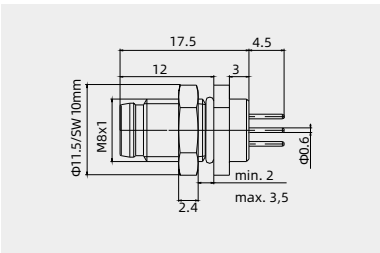
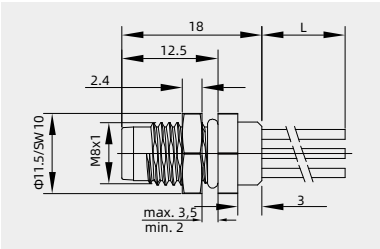
Remark: SPQ is 1pc

Contacts	Thread	Designation	Order No.
8	M8	M8-M08-BKR-M8-W0.14	162 008 310 0501

Customized cable length upon request

Remark: SPQ is 10pcs

Contacts	Thread	Designation	Order No.
3	M8	M8-M03-BKR-M8-D	162 003 314 1011
4	M8	M8-M04-BKR-M8-D	162 004 314 1011



M8 Circular Connector

30/60V 4A

Technical characteristics

	3-pole	4-pole	8-pole
Rated current(40°C)	4A	4A	1.5A
Rated voltage	60V	30V	30V
Rated impulse voltage	800V	800V	800V
Pollution degree	3	3	3
Overvoltage categorie	II	II	II
Contact resistance	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
Connector locking system	screw	screw	screw
Termination	solder	solder	single-strand 0.14mm ²
Wire gauge	-	-	0.14mm ² (AWG26)
Cable outlet	-	-	-
Degree of protection	IP67	IP67	IP67
Mechanical operation	> 100	> 100	> 100
Limiting temperature	-40°C ...+85°C	-40°C ...+85°C	-40°C ...+85°C
Material group	II	II	II
Material of contact	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Au
Insulating material	PA	PA	PA
Material of housing	CuZn	CuZn	CuZn

Socket

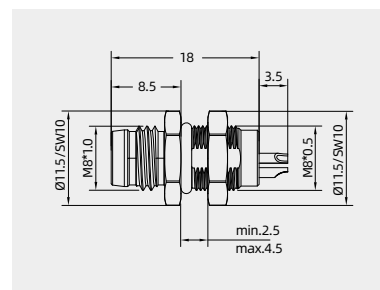
Remark: SPQ is 10pcs

Male panel mount connector,
Back fastened, solder

Contact arrangements



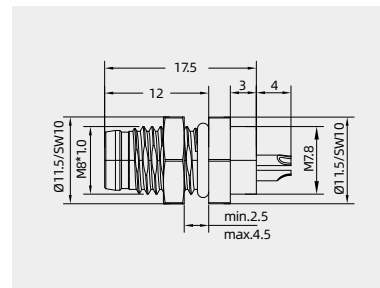
Contacts	Thread	Designation	Order No.
3	M8	M8-M03-BK-M8-C	162 003 301 2500
4	M8	M8-M04-BK-M8-C	162 004 313 1001
8	M8	M8-M08-BK-M8-C	162 008 313 0501

Male panel mount connector,
front fastened, solder

Contact arrangements



Contacts	Thread	Designation	Order No.
3	M8	M8-M03-BKR-M8-C	162 003 301 1012
4	M8	M8-M04-BKR-M8-C	162 004 301 2501
8	M8	M8-M08-BKR-M8-C	162 008 313 0500



M8

M8 Circular Connector

30/60V 4A

Technical characteristics

	3-pole	4-pole	8-pole
Rated current(40°C)	4A	4A	1.5A
Rated voltage	60V	30V	30V
Rated impulse voltage	800V	800V	800V
Pollution degree	3	3	3
Overvoltage categorie	II	II	II
Contact resistance	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
Connector locking system	screw	screw	screw
Termination	dip solder, single-strand 0.25mm ²	dip solder, single-strand 0.25mm ²	single-strand 0.14mm ²
Wire gauge	-	-	0.14mm ² (AWG26)
Cable outlet	-	-	-
Degree of protection	IP67	IP67	IP67
Mechanical operation	> 100	> 100	> 100
Limiting temperature	-40°C ...+85°C	-40°C ...+85°C	-40°C ...+85°C
Material group	II	II	II
Material of contact	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Au
Insulating material	PA	PA	PA
Material of housing	CuZn	CuZn	CuZn

Socket

Female panel mount connector
with single wires 0.25mm²
length 0.2m



Contact arrangements



Female panel mount connector,
front fastened,
with single wires 0.25mm²
length 0.2m



Contact arrangements



Female panel mount connector,
front fastened, with single wires



Contact arrangements



Remark: SPQ is 1pc

Contacts	Thread	Designation	Order No.
3	M8	M8-F03-BK-M8-W0.25	162 003 302 4001
4	M8	M8-F04-BK-M8-W0.25	162 004 302 4001
8	M8	M8-F08-BK-M8-W0.14	162 008 320 1500

Customized cable length upon request

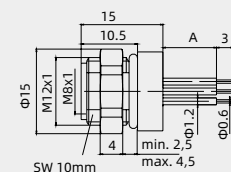
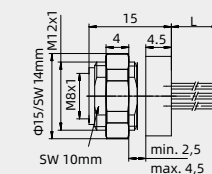
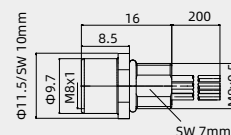
Remark: SPQ is 1 pc

Contacts	Thread	Designation	Order No.
3	M8	M8-F03-BKR-M8-W0.25	162 003 302 4011
4	M8	M8-F04-BKR-M8-W0.25	162 004 302 4011
8	M8	M8-F08-BKR-M8-W0.14	162 008 320 0500

Customized cable length upon request

Remark: SPQ is 10pcs

Contacts	Contact length A	Thread	Designation	Order No.
3	9.5 mm	M8	M8-F03-BKR-M8-D9.5	162 003 324 1013
	4.7 mm	M8	M8-F03-BKR-M8-D4.7	162 003 324 1012
	0.5 mm	M8	M8-F03-BKR-M8-D0.5	162 003 324 1011
4	9.5 mm	M8	M8-F04-BKR-M8-D9.5	162 004 324 1013
	4.7 mm	M8	M8-F04-BKR-M8-D4.7	162 004 324 1012
	0.5 mm	M8	M8-F04-BKR-M8-D0.5	162 004 324 1011



M8 Circular Connector

30/60V 4A

Technical characteristics

	3-pole	4-pole
Rated current(40°C)	4A	4A
Rated voltage	60V	30V
Rated impulse voltage	800V	800V
Pollution degree	3	3
Overvoltage categorie	II	II
Contact resistance	≤ 10 mΩ	≤ 10 mΩ
Connector locking system	solder	solder
Termination	dip solder	dip solder
Wire gauge	-	-
Cable outlet	-	-
Degree of protection	IP67	IP67
Mechanical operation	> 100	> 100
Limiting temperature	-40°C ...+85°C	-40°C ...+85°C
Material group	II	II
Material of contact	copper alloy	copper alloy
Contact plating	Au	Au
Insulating material	PA	PA
Material of housing	CuZn	CuZn

Socket

Remark: SPQ is 10pcs

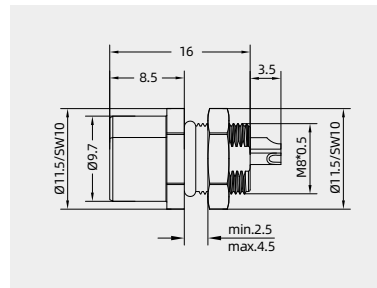
Female panel mount connector,
Back fastened, solder



Contact arrangements



Contacts	Thread	Designation	Order No.
3	M8	M8-F03-BK-M8-C	162 003 302 2500
4	M8	M8-F04-BK-M8-C	162 004 302 2500
8	M8	M8-F08-BK-M8-C	162 008 323 0500



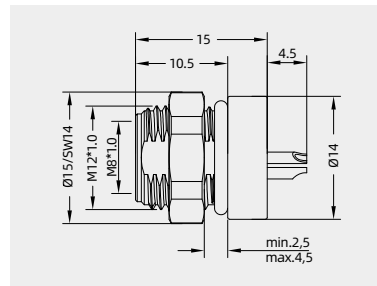
Female panel mount connector,
front fastened, solder



Contact arrangements



Contacts	Thread	Designation	Order No.
3	M8	M8-F03-BKR-M12-C	162 003 302 2501
4	M8	M8-F04-BKR-M12-C	162 004 302 2501
8	M8	M8-F08-BKR-M12-C	162 008 323 0501



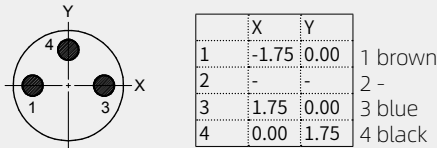
M8

M8 Circular Connector

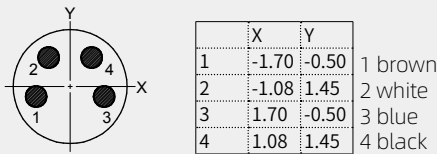
• Contact arrangements

• Male insert (mating side)

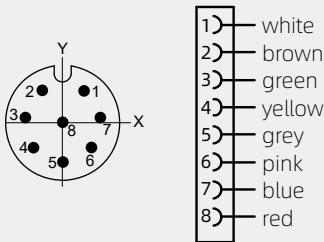
3contacts



4contacts

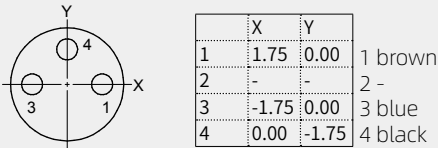


8contacts

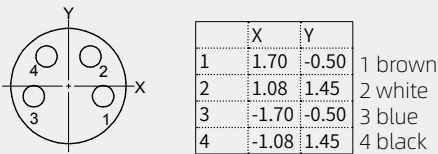


• Female insert (mating side)

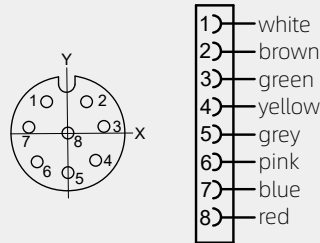
3contacts



4contacts



8contacts

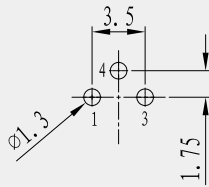


M8 Circular Connector

Panel cut out

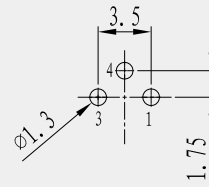
- Drilling schemes male insert (PCB), shielding sheet

3contacts

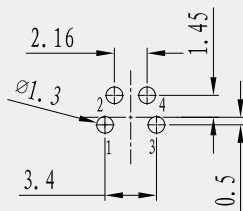


- Drilling schemes male insert (PCB), shielding sheet

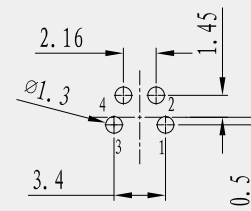
3contacts



4contacts



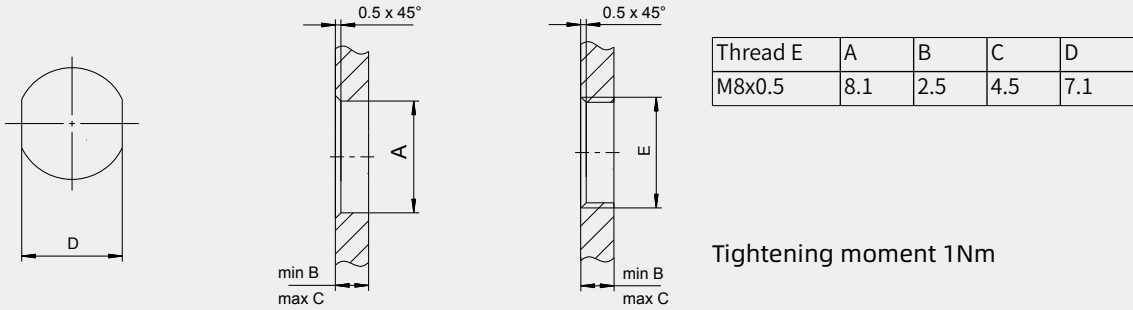
4contacts



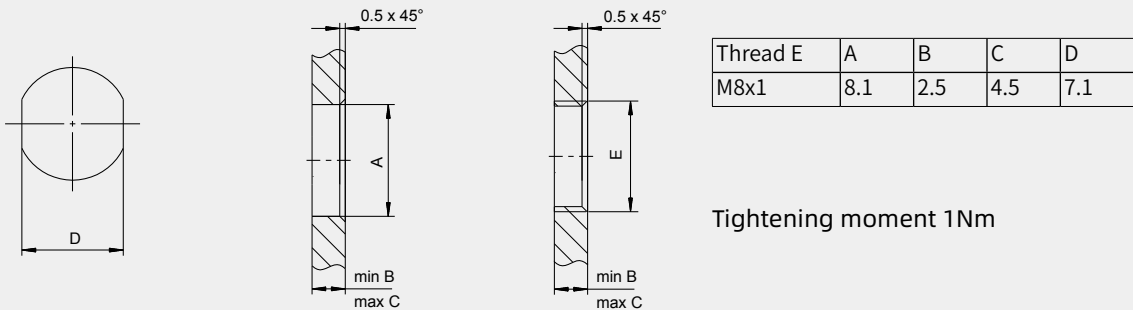
M8 Circular Connector

• Panel cut out

- With flats as anti-rotation device
- With bore hole
- With thread to screw in



- With flats as anti-rotation device
- With bore hole
- With thread to screw in

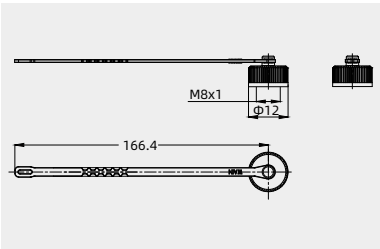


Remark: SPQ is 10pcs

Protection cover
for male cable connector



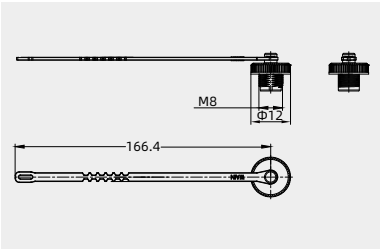
Description	Designation	Order No.
Without cord	M8-MCV	162 000 001 9003
With cord	M8-MCV/1	162 000 001 9001



Protection cover
for female cable connector



Description	Designation	Order No.
Without cord	M8-FCV	162 000 002 9003
With cord	M8-FCV/1	162 000 002 9001



M8-B Circular Connector

30V 4A

Technical characteristics

	5-pole
Rated current(40°C)	4A
Rated voltage	30V
Rated impulse voltage	800V
Pollution degree	3
Overvoltage categorie	II
Contact resistance	≤ 10 mΩ
Connector locking system	screw / connect straight
Termination	crimp, moulded
Wire gauge	0.25mm ² (AWG24)
Cable outlet	-
Degree of protection	IP67
Mechanical operation	> 100
Limiting temperature	-25°C ...+85°C
Material group	II
Material of contact	copper alloy
Contact plating	Au
Insulating material	PA
Material of housing	TPU

Straight cable connectors,cable Remark: SPQ is 1pc

Male cable connector moulded,
screw

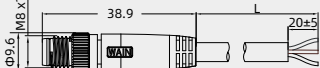


Contact arrangements



5pin

Contacts	Cable length	Cable	Designation	Order No.
5	1.5m	5x0.25PVC	M8-M05B-T-1.5-PVC	162 005 401 4001
		5x0.25PUR	M8-M05B-T-1.5-PUR	162 005 401 4002
	5.0m	5x0.25PVC	M8-M05B-T-5.0-PVC	162 005 401 4003
		5x0.25PUR	M8-M05B-T-5.0-PUR	162 005 401 4004



Male cable connector moulded
connect straight

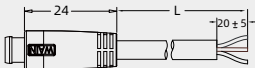


Contact arrangements



5pin

Contacts	Cable length	Cable	Designation	Order No.
5	1.5m	5x0.25PVC	M8Q-M05B-T-1.5-PVC	162 005 401 4005
		5x0.25PUR	M8Q-M05B-T-1.5-PUR	162 005 401 4006
	5.0m	5x0.25PVC	M8Q-M05B-T-5.0-PVC	162 005 401 4007
		5x0.25PUR	M8Q-M05B-T-5.0-PUR	162 005 401 4008



•Further cable length upon request, minimum order quantity 200 pieces.

M8-B Circular Connector

30V 4A

Technical characteristics

	5-pole
Rated current(40°C)	4A
Rated voltage	30V
Rated impulse voltage	800V
Pollution degree	3
Overvoltage categorie	II
Contact resistance	≤ 10 mΩ
Connector locking system	screw / connect straight
Termination	crimp, moulded
Wire gauge	0.25mm ² (AWG24)
Cable outlet	-
Degree of protection	IP67
Mechanical operation	> 100
Limiting temperature	-25°C ...+85°C
Material group	II
Material of contact	copper alloy
Contact plating	Au
Insulating material	PA
Material of housing	TPU

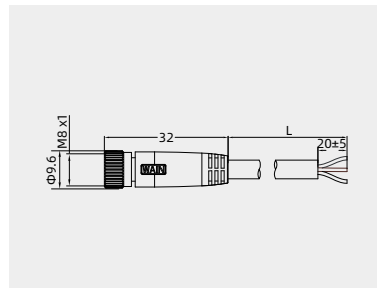
Straight cable connectors,cable Remark: SPQ is 1pcFemale cable connector moulded,
screw

Contact arrangements



5pin

Contacts	Cable length	Cable	Designation	Order No.
5	1.5m	5x0.25PVC	M8-F05B-T-1.5-PVC	162 005 402 4001
		5x0.25PUR	M8-F05B-T-1.5-PUR	162 005 402 4002
	5.0m	5x0.25PVC	M8-F05B-T-5.0-PVC	162 005 402 4003
		5x0.25PUR	M8-F05B-T-5.0-PUR	162 005 402 4004

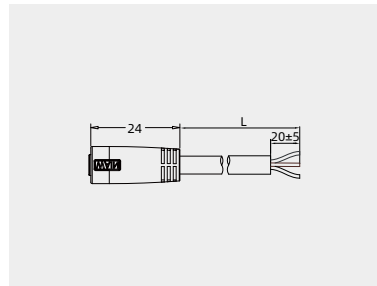
Female cable connector moulded,
connect straight

Contact arrangements



5pin

Contacts	Cable length	Cable	Designation	Order No.
5	1.5m	5x0.25PVC	M8Q-F05B-T-1.5-PVC	162 005 402 4005
		5x0.25PUR	M8Q-F05B-T-1.5-PUR	162 005 402 4006
	5.0m	5x0.25PVC	M8Q-F05B-T-5.0-PVC	162 005 402 4007
		5x0.25PUR	M8Q-F05B-T-5.0-PUR	162 005 402 4008



•Further cable length upon request, minimum order quantity 200 pieces.