

 ENGELKING

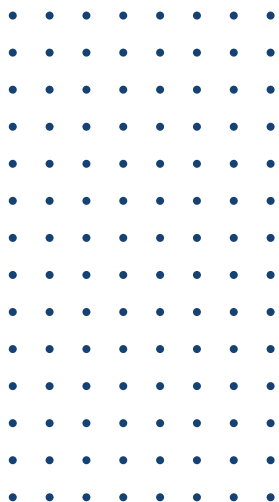


M Series

Connectors

Overview

M5 Series	
Connectors	03-17
M8 Series	
Connectors for Overmoulding	18-22
M8 Series	
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M8 Series	
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Connectors for Overmoulding	82-102
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Panel Mount Connectors	175-254



 MENGELKING



M5 Series

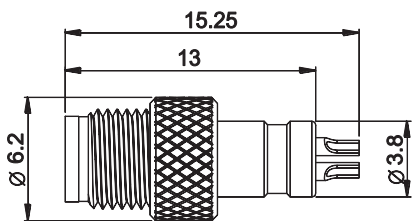
Connectors

Male connector for over-molding

Product figure



Scale diagram



Contact layout (Front view)

3pins



4pins

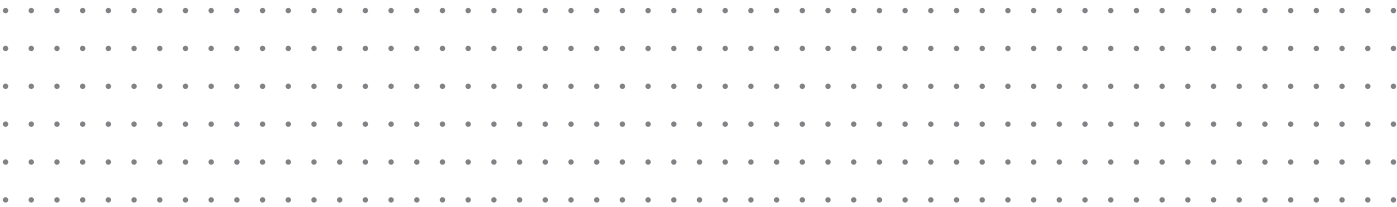


Order data

Contacts	Order No
3pins	M05A03/MB2/BN/SC
4pins	M05A04/MB2/BN/SC

Specifications

Number of contacts	3	4
Termination	solder	
Wire gauge	max 0.14 mm² / max 26 AWG	
Operating temperature	-25°C~+85°C	
Mechanical operation	> 100 mating cycles	
Rated voltage	60V	
Rated current (40°C)	1A	
Protection degree	IP67/IP68	
Contact resistance	< 10mΩ	
Insulation resistance	≥100MΩ	
Pin contact	CuZn	
Socket contact	CuSn	
Contact plating	Au	

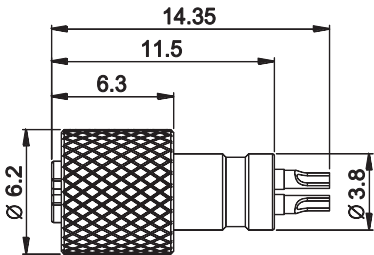


Female connector for over-molding

Product figure



Scale diagram



Contact layout (Front view)

3pins



4pins

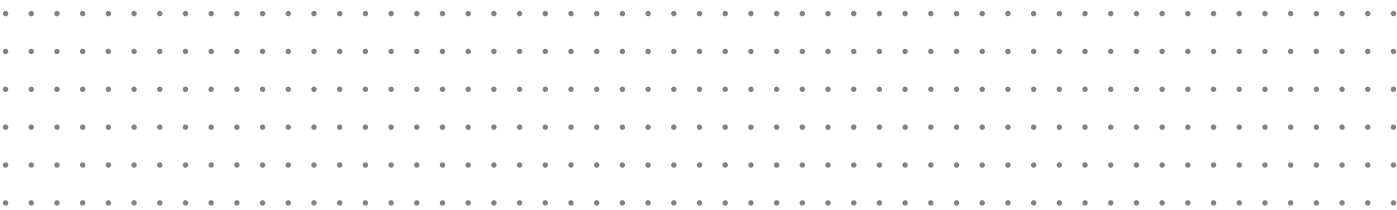


Order data

Contacts	Order No
3pins	M05A03/FB2/BN/SC
4pins	M05A04/FB2/BN/SC

Specifications

Number of contacts	3	4
Termination	solder	
Wire gauge	max 0.14 mm ² / max 26 AWG	
Operating temperature	-25°C~+85°C	
Mechanical operation	> 100 mating cycles	
Rated voltage	60V	
Rated current (40°C)	1A	
Protection degree	IP67/IP68	
Contact resistance	< 10mΩ	
Insulation resistance	≥100MΩ	
Pin contact	CuZn	
Socket contact	CuSn	
Contact plating	Au	

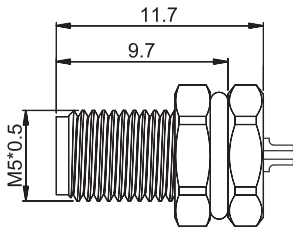


Male panel connector

Product figure (front fastened)



Scale diagram



Contact layout (Front view)

3pins



4pins

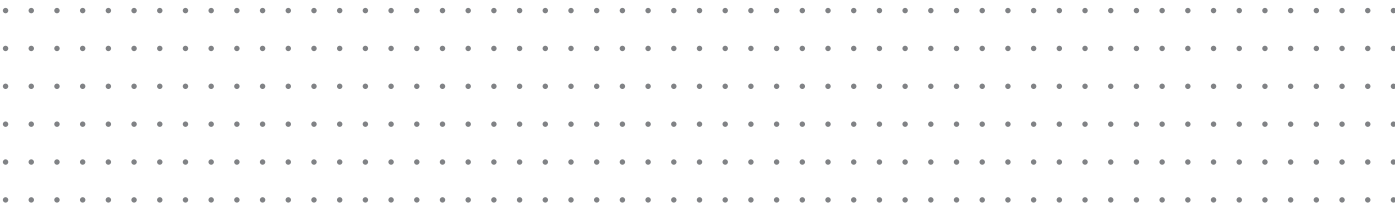


Order data

Contacts	Order No
3pins	M05A03/MG3/BN/SC
4pins	M05A04/MG3/BN/SC

Specifications

Number of contacts	3	4
Termination	solder	
Wire gauge	max 0.14 mm ² / max 26 AWG	
Operating temperature	-25°C~+80°C	
Mechanical operation	> 100 mating cycles	
Rated voltage	60V	
Rated current (40°C)	1A	
Protection degree	IP67/IP68	
Contact resistance	< 3mΩ	
Insulation resistance	≥100MΩ	
Pin contact	CuZn	
Socket contact	CuSn	
Contact plating	Au	

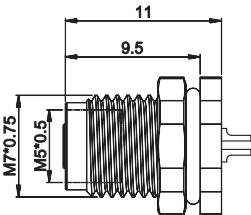


Female panel connectors

Product figure (front fastened)



Scale diagram



Contact layout (Front view)

3pins



4pins

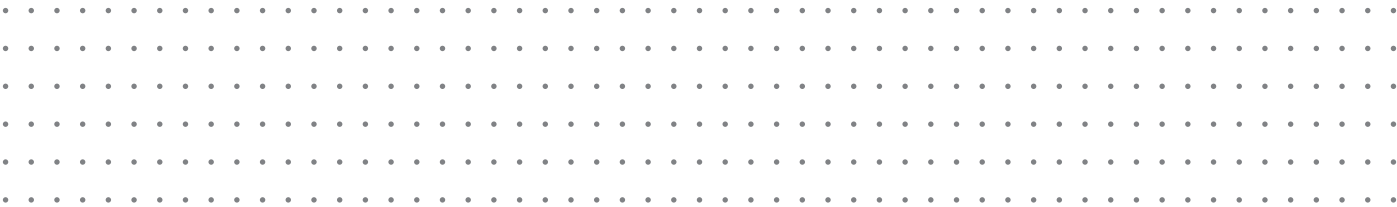


Order data

Contacts	Order No
3pins	M05A03/FG4/BN/SC
4pins	M05A04/FG4/BN/SC

Specifications

Number of contacts	3	4
Termination	solder	
Wire gauge	max 0.14 mm ² / max 26 AWG	
Operating temperature	-25°C~+80°C	
Mechanical operation	> 100 mating cycles	
Rated voltage	60V	
Rated current (40°C)	1A	
Protection degree	IP67/IP68	
Contact resistance	< 3mΩ	
Insulation resistance	≥100MΩ	
Pin contact	CuZn	
Socket contact	CuSn	
Contact plating	Au	

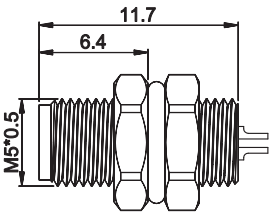


Male panel connector

Product figure (rear fastened)



Scale diagram



Contact layout (Front view)

3pins



4pins

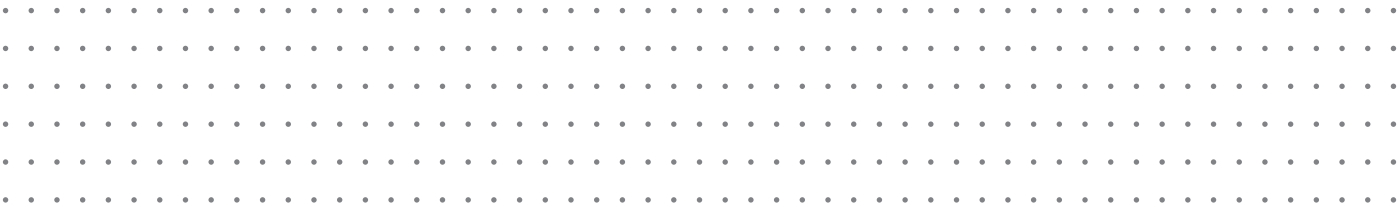


Order data

Contacts	Order No
3pins	M05A03/MG5/BN/SC
4pins	M05A04/MG5/BN/SC

Specifications

Number of contacts	3	4
Termination	solder	
Wire gauge	max 0.14 mm ² / max 26 AWG	
Operating temperature	-25°C~+80°C	
Mechanical operation	> 100 mating cycles	
Rated voltage	60V	
Rated current (40°C)	1A	
Protection degree	IP67/IP68	
Contact resistance	< 3mΩ	
Insulation resistance	≥100MΩ	
Pin contact	CuZn	
Socket contact	CuSn	
Contact plating	Au	

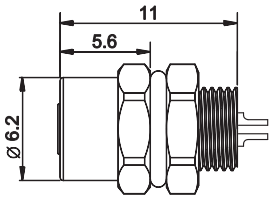


Female panel connector

Product figure (rear fastened)



Scale diagram



Contact layout (Front view)

3pins



4pins

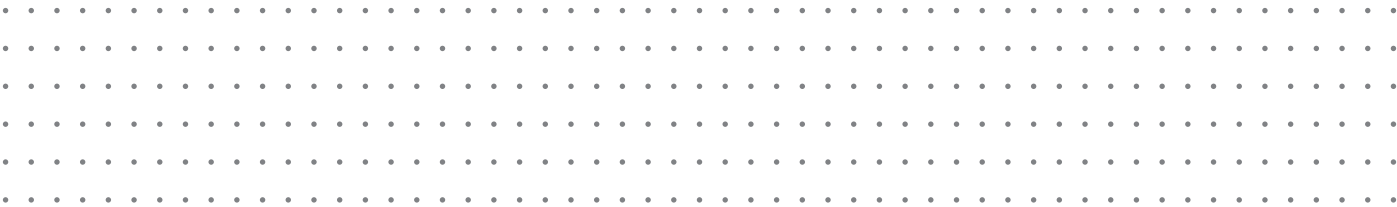


Order data

Contacts	Order No
3pins	M05A03/FG5/BN/SC
4pins	M05A04/FG5/BN/SC

Specifications

Number of contacts	3	4
Termination	solder	
Wire gauge	max 0.14 mm ² / max 26 AWG	
Operating temperature	-25°C~+80°C	
Mechanical operation	> 100 mating cycles	
Rated voltage	60V	
Rated current (40°C)	1A	
Protection degree	IP67/IP68	
Contact resistance	< 3mΩ	
Insulation resistance	≥100MΩ	
Pin contact	CuZn	
Socket contact	CuSn	
Contact plating	Au	

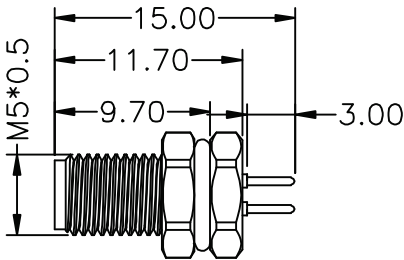


Male panel connector

Product figure (front fastened DIP)



Scale diagram



Contact layout (Front view)

3pins



4pins

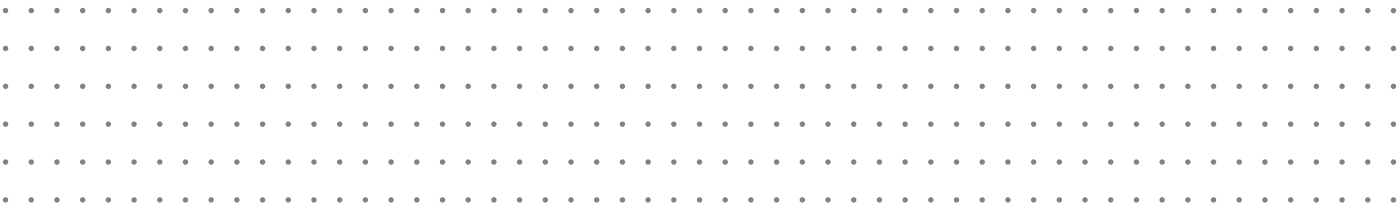


Order data

Contacts	Order No
3pins	M05A03/MG3/BN/TH
4pins	M05A04/MG3/BN/TH

Specifications

Number of contacts	3	4
Termination	PCB	
Wire gauge	—	
Operating temperature	-25°C~+85°C	
Mechanical operation	> 100 mating cycles	
Rated voltage	60V	
Rated current (40°C)	1A	
Protection degree	IP67/IP68	
Contact resistance	< 3mΩ	
Insulation resistance	≥100MΩ	
Pin contact	CuZn	
Socket contact	CuSn	
Contact plating	Au	

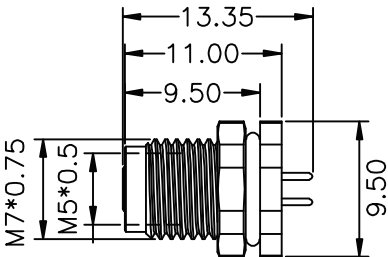


Female panel connectors

Product figure (front fastened DIP)



Scale diagram



Contact layout (Front view)

3pins



4pins

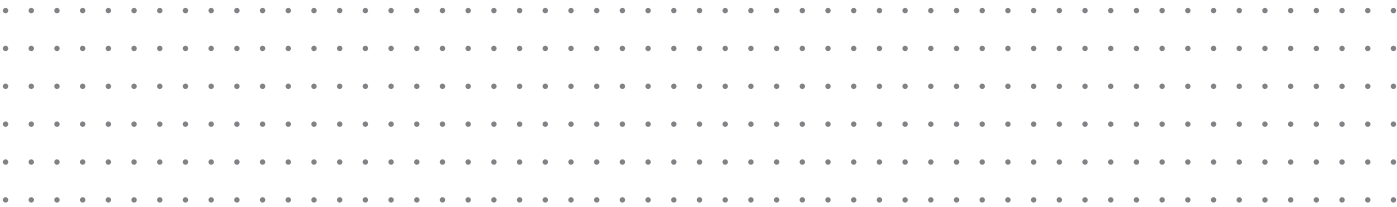


Order data

Contacts	Order No
3pins	M05A03/FG4/BN/TH
4pins	M05A04/FG4/BN/TH

Specifications

Number of contacts	3	4
Termination	PCB	
Wire gauge	—	
Operating temperature	-25°C~+85°C	
Mechanical operation	> 100 mating cycles	
Rated voltage	60V	
Rated current (40°C)	1A	
Protection degree	IP67/IP68	
Contact resistance	< 3mΩ	
Insulation resistance	≥100MΩ	
Pin contact	CuZn	
Socket contact	CuSn	
Contact plating	Au	



Technical drawing of a bolt with the following dimensions:

- Total length: 15.0
- Length of the threaded section: 11.70
- Head diameter: 6.40
- Thread specification: M5*0.5
- Head diameter: Ø0.5

A circle with four points labeled 1, 2, 3, and 4. A shaded sector is formed by the center and point 1.

Contacts	Order No
3pins	M05A03/MG5/BN/TH
4pins	M05A04/MG5/BN/TH

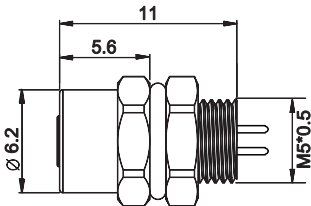
Number of contacts	3	4
Termination	PCB	
Wire gauge	—	
Operating temperature	-25°C~+85°C	
Mechanical operation	> 100 mating cycles	
Rated voltage	60V	
Rated current (40°C)	1A	
Protection degree	IP67/IP68	
Contact resistance	< 3mΩ	
Insulation resistance	≥100MΩ	
Pin contact	CuZn	
Socket contact	CuSn	
Contact plating	Au	

Female panel connector

Product figure (rear fastened)



Scale diagram



Contact layout (Front view)

3pins



4pins

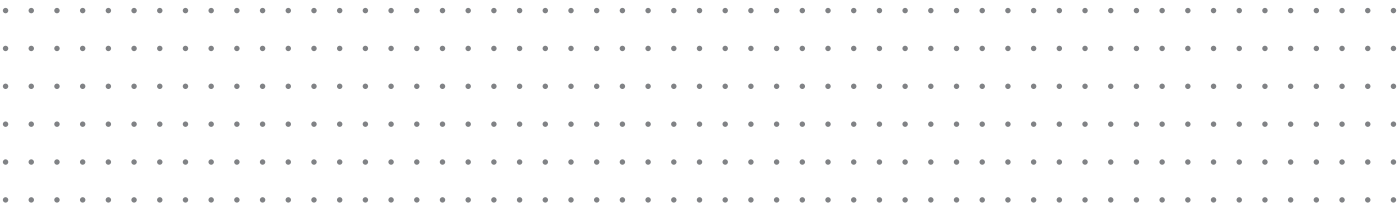


Order data

Contacts	Order No
3pins	M05A03/FG5/BN/TH
4pins	M05A04/FG5/BN/TH

Specifications

Number of contacts	3	4
Termination	PCB	
Wire gauge	—	
Operating temperature	-25°C~+85°C	
Mechanical operation	> 100 mating cycles	
Rated voltage	60V	
Rated current (40°C)	1A	
Protection degree	IP67/IP68	
Contact resistance	< 3mΩ	
Insulation resistance	≥100MΩ	
Pin contact	CuZn	
Socket contact	CuSn	
Contact plating	Au	

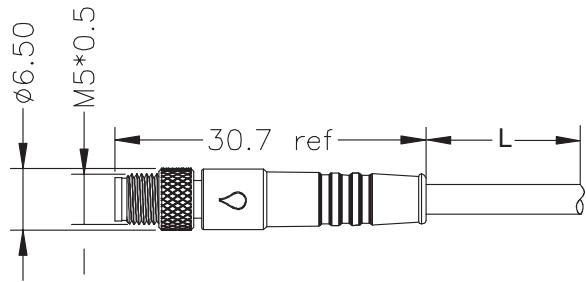


Male cable

Product figure



Scale diagram



Contact layout (Front view)

3pins



4pins

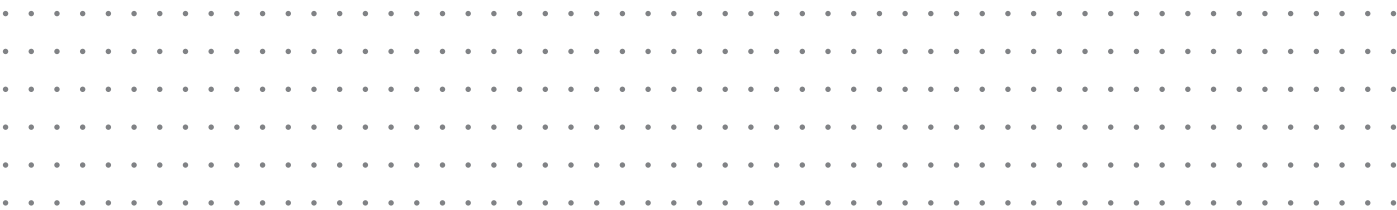


Order data

Contacts	Order No
3pins	M05A03/MA3/BN/OE
4pins	M05A04/MA3/BN/OE

Specifications

Number of contacts	3	4
Termination	moulded on cable	
Wire gauge	max 0.14 mm ² / max 26 AWG	
Operating temperature	-25°C~+80°C	
Mechanical operation	> 100 mating cycles	
Rated voltage	60V	
Rated current (40°C)	1A	
Protection degree	IP67/IP68	
Contact resistance	< 3mΩ	
Insulation resistance	≥100MΩ	
Pin contact	CuZn	
Socket contact	CuSn	
Contact plating	Au	

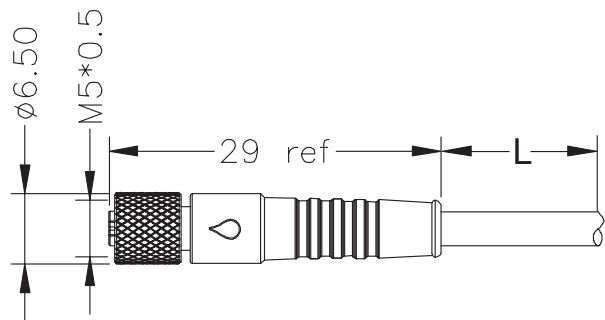


Female cable

Product figure



Scale diagram



Contact layout (Front view)

3pins



4pins

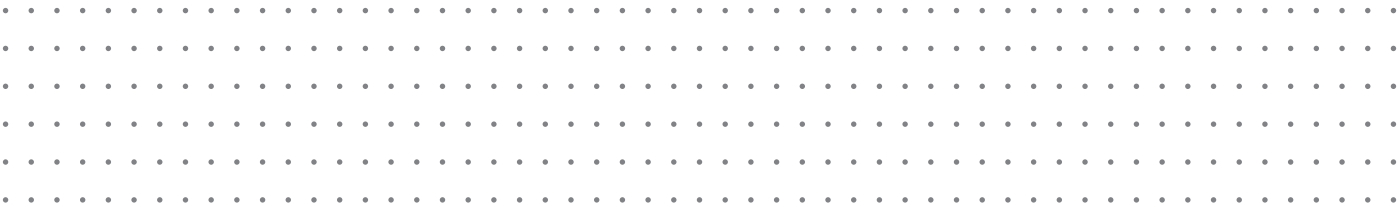


Order data

Contacts	Order No
3pins	M05A03/FA3/BN/OE
4pins	M05A04/FA3/BN/OE

Specifications

Number of contacts	3	4
Termination	moulded on cable	
Wire gauge	max 0.14 mm ² / max 26 AWG	
Operating temperature	-25°C~+80°C	
Mechanical operation	> 100 mating cycles	
Rated voltage	60V	
Rated current (40°C)	1A	
Protection degree	IP67/IP68	
Contact resistance	< 3mΩ	
Insulation resistance	≥100MΩ	
Pin contact	CuZn	
Socket contact	CuSn	
Contact plating	Au	

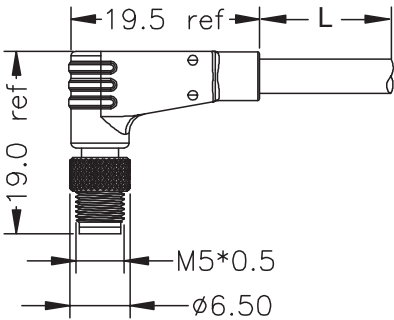


Male cable(90°)

Product figure



Scale diagram



Contact layout (Front view)

3pins



4pins

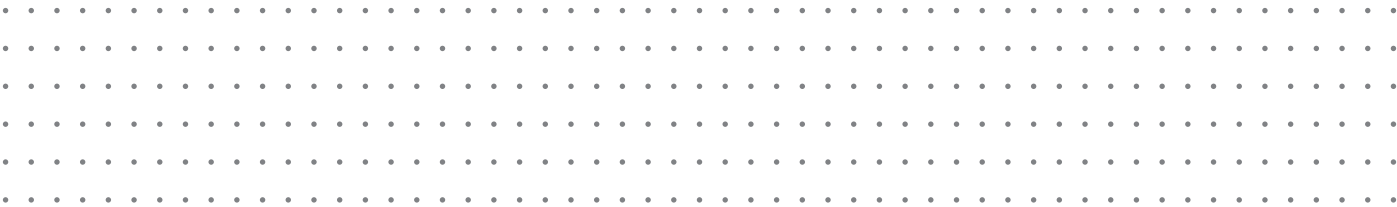


Order data

Contacts	Order No
3pins	M05A03/MA2/BN/OE
4pins	M05A04/MA2/BN/OE

Specifications

Number of contacts	3	4
Termination	moulded on cable	
Wire gauge	max 0.14 mm ² / max 26 AWG	
Operating temperature	-25°C~+80°C	
Mechanical operation	> 100 mating cycles	
Rated voltage	60V	
Rated current (40°C)	1A	
Protection degree	IP67/IP68	
Contact resistance	< 3mΩ	
Insulation resistance	≥100MΩ	
Pin contact	CuZn	
Socket contact	CuSn	
Contact plating	Au	

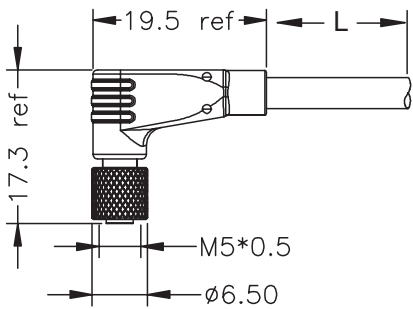


Female cable(90°)

Product figure



Scale diagram



Contact layout (Front view)

3pins



4pins

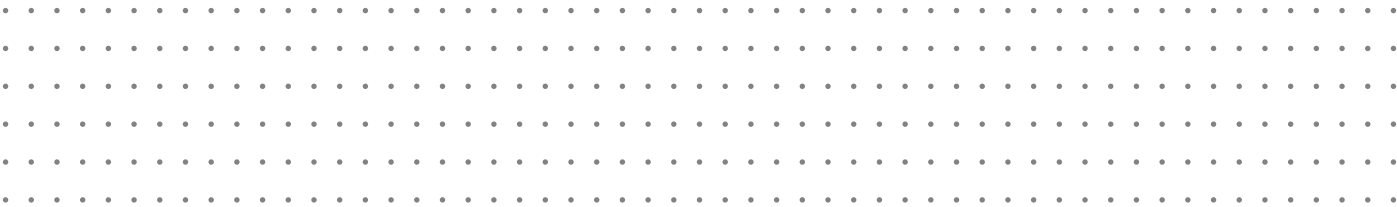


Order data

Contacts	Order No
3pins	M05A03/FA2/BN/OE
4pins	M05A04/FA2/BN/OE

Specifications

Number of contacts	3	4
Termination	moulded on cable	
Wire gauge	max 0.14 mm ² / max 26 AWG	
Operating temperature	-25°C~+80°C	
Mechanical operation	> 100 mating cycles	
Rated voltage	60V	
Rated current (40°C)	1A	
Protection degree	IP67/IP68	
Contact resistance	< 3mΩ	
Insulation resistance	≥100MΩ	
Pin contact	CuZn	
Socket contact	CuSn	
Contact plating	Au	



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M8 Series

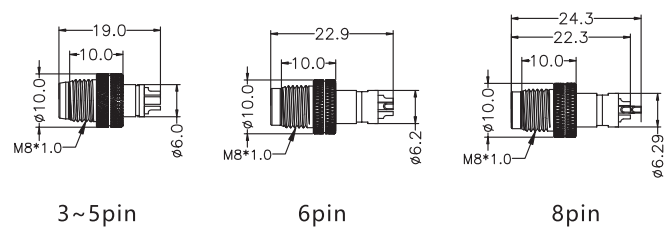
**Connectors for
Overmoulding**

Male connector for over-molding

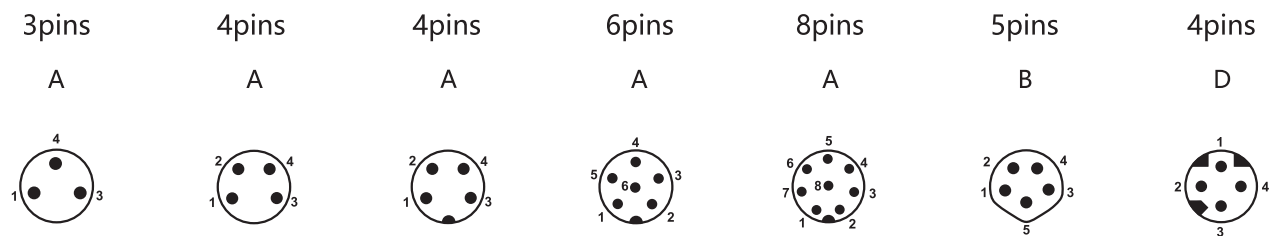
Product figure



Scale diagram



Contact layout (Front view)



Order data

Contacts	Coding	Order No
3pins	A	M08A03/MB2/BN/SC
4pins	A	M08A04/MB2/BN/SC
	A(fool-proof)	M08104/MB2/BN/SC
	D	M08D04/MB2/BN/SC
5pins	B	M08B05/MB2/BN/SC
6pins	A	M08A06/MB2/BN/SC
8pins	A	M08A08/MB2/BN/SC

Specifications

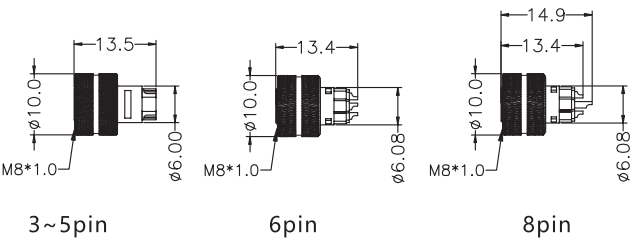
Number of contacts	3	4 A-coding	4 D-coding	5	6	8
Termination	solder					
Wire gauge	0.14/0.25/0.34 mm ² / (26/24/22 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	50V AC / 60V DC		60V	30V		
Rated current (40°C)	3A		4A	3A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Female connector for over-molding

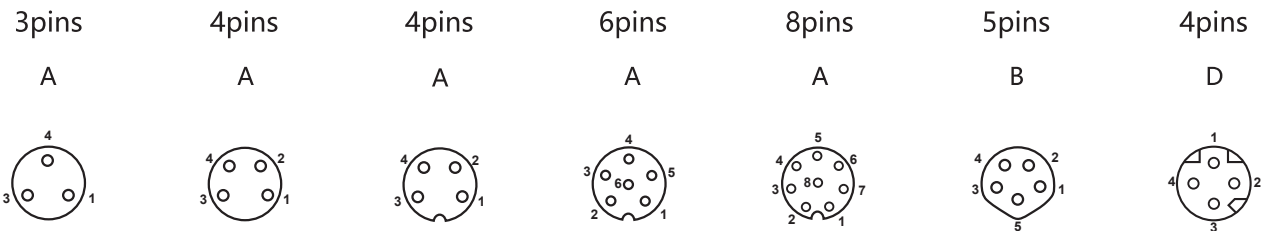
Product figure



Scale diagram



Contact layout (Front view)



Order data

Contacts	Coding	Order No
3pins	A	M08A03/FB2/BN/SC
4pins	A	M08A04/FB2/BN/SC
	A(fool-proof)	M08104/FB2/BN/SC
	D	M08D04/FB2/BN/SC
5pins	B	M08B05/FB2/BN/SC
6pins	A	M08A06/FB2/BN/SC
8pins	A	M08A08/FB2/BN/SC

Specifications

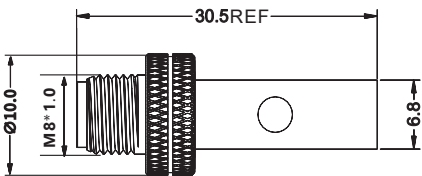
Number of contacts	3	4 A-coding	4 D-coding	5	6	8
Termination	solder					
Wire gauge	0.14/0.25/0.34 mm ² / (26/24/22 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	50V AC / 60V DC		60V	30V		
Rated current (40°C)	3A		4A	3A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Male connector for over-molding

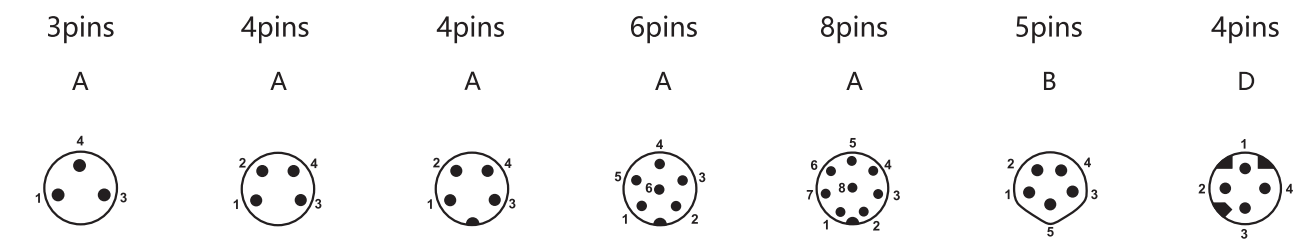
Product figure (with shield)



Scale diagram



Contact layout (Front view)



Order data

Contacts	Coding	Order No
3pins	A	M08A03/MB3/BN/SC
4pins	A	M08A04/MB3/BN/SC
	A(fool-proof)	M08104/MB3/BN/SC
	D	M08D04/MB3/BN/SC
5pins	B	M08B05/MB3/BN/SC
6pins	A	M08A06/MB3/BN/SC
8pins	A	M08A08/MB3/BN/SC

Specifications

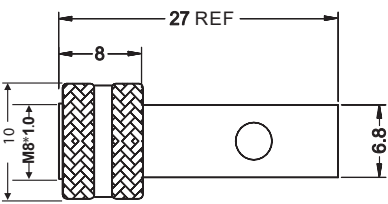
Number of contacts	3	4 A-coding	4 D-coding	5	6	8
Termination	solder					
Wire gauge	0.14/0.25/0.34 mm ² / (26/24/22 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	50V AC / 60V DC		60V	30V		
Rated current (40°C)	3A		4A	3A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Female connector for over-molding

Product figure (with shield)



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



4pins

A



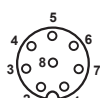
6pins

A



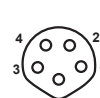
8pins

A



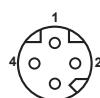
5pins

B



4pins

D



Order data

Contacts	Coding	Order No
3pins	A	M08A03/FB3/BN/SC
4pins	A	M08A04/FB3/BN/SC
	A(fool-proof)	M08104/FB3/BN/SC
	D	M08D04/FB3/BN/SC
5pins	B	M08B05/FB3/BN/SC
6pins	A	M08A06/FB3/BN/SC
8pins	A	M08A08/FB3/BN/SC

Specifications

Number of contacts	3	4 A-coding	4 D-coding	5	6	8
Termination	solder					
Wire gauge	0.14/0.25/0.34 mm ² / (26/24/22 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	50V AC / 60V DC		60V	30V		
Rated current (40°C)	3A		4A	3A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

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M8 Series

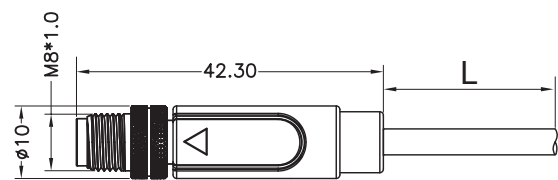
Overmoulded Connectors

Male cable

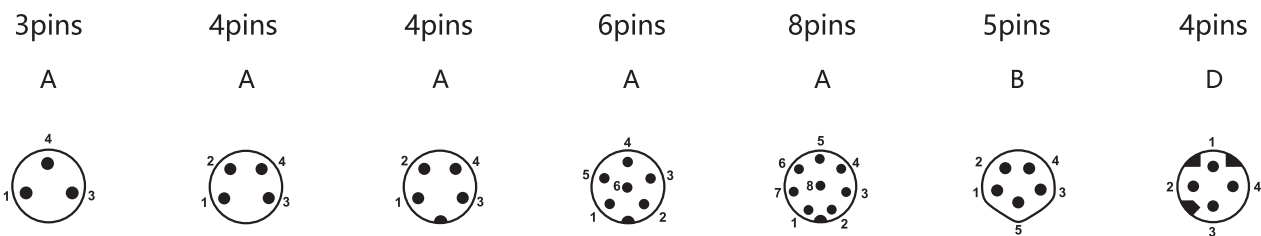
Product figure



Scale diagram



Contact layout (Front view)



Order data

Contacts	Coding	Order No
3pins	A	M08A03/MA3/BN/OE
4pins	A	M08A04/MA3/BN/OE
	A(fool-proof)	M08104/MA3/BN/OE
	D	M08D04/MA3/BN/OE
5pins	B	M08B05/MA3/BN/OE
6pins	A	M08A06/MA3/BN/OE
8pins	A	M08A08/MA3/BN/OE

Specifications

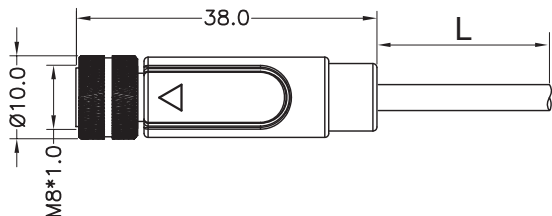
Number of contacts	3	4 A-coding	4 D-coding	5	6	8
Termination	moulded on cable					
Wire gauge	0.14/0.25/0.34 mm ² / (26/24/22 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	50V AC / 60V DC		60V	30V		
Rated current (40°C)	3A		4A	3A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Female cable

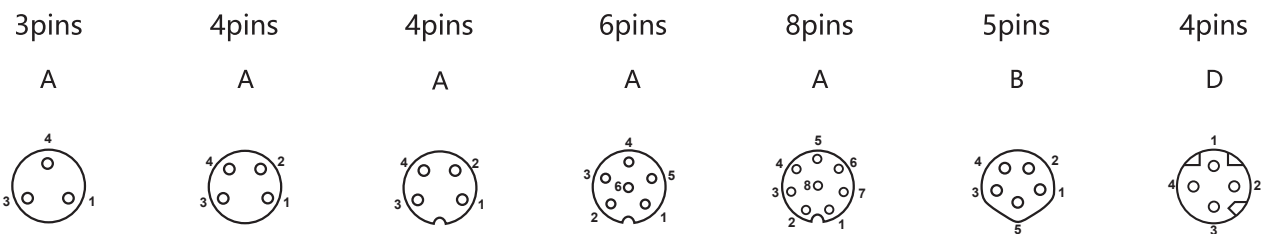
Product figure



Scale diagram



Contact layout (Front view)



Order data

Contacts	Coding	Order No
3pins	A	M08A03/FA3/BN/OE
4pins	A	M08A04/FA3/BN/OE
	A(fool-proof)	M08104/FA3/BN/OE
	D	M08D04/FA3/BN/OE
5pins	B	M08B05/FA3/BN/OE
6pins	A	M08A06/FA3/BN/OE
8pins	A	M08A08/FA3/BN/OE

Specifications

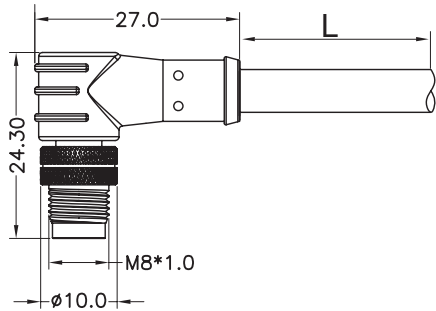
Number of contacts	3	4 A-coding	4 D-coding	5	6	8
Termination	moulded on cable					
Wire gauge	0.14/0.25/0.34 mm ² / (26/24/22 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	50V AC / 60V DC		60V	30V		
Rated current (40°C)	3A		4A	3A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Male cable (90°)

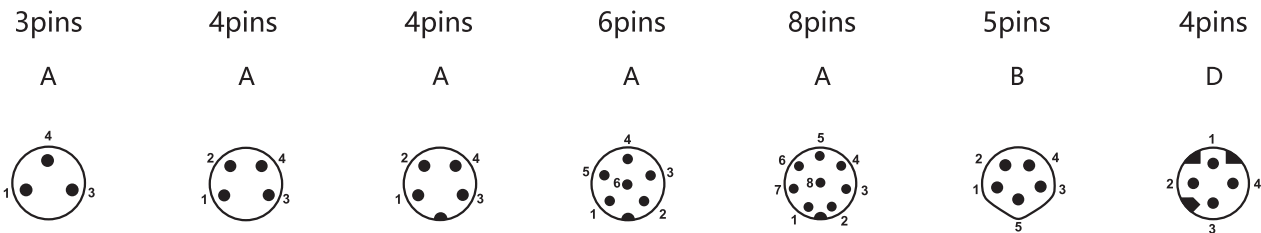
Product figure



Scale diagram



Contact layout (Front view)



Order data

Contacts	Coding	Order No
3pins	A	M08A03/MA2/BN/OE
4pins	A	M08A04/MA2/BN/OE
	A(fool-proof)	M08104/MA2/BN/OE
	D	M08D04/MA2/BN/OE
5pins	B	M08B05/MA2/BN/OE
6pins	A	M08A06/MA2/BN/OE
8pins	A	M08A08/MA2/BN/OE

Specifications

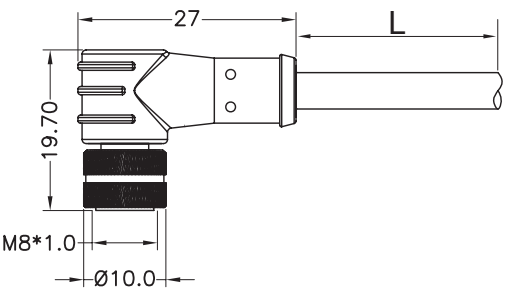
Number of contacts	3	4 A-coding	4 D-coding	5	6	8
Termination	moulded on cable					
Wire gauge	0.14/0.25/0.34 mm ² / (26/24/22 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	50V AC / 60V DC		60V	30V		
Rated current (40°C)	3A		4A	3A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Female cable (90°)

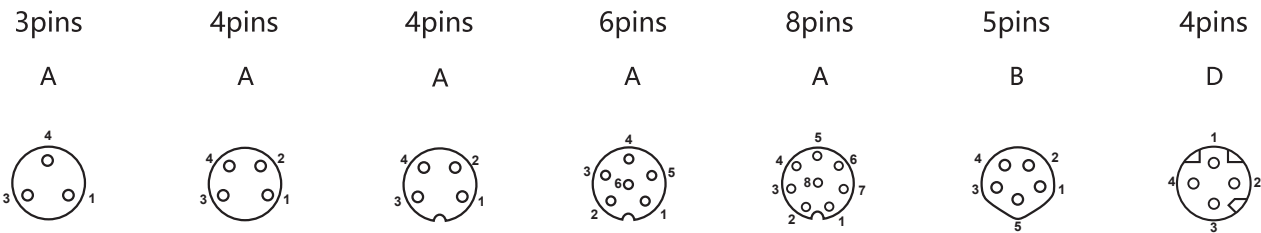
Product figure



Scale diagram



Contact layout (Front view)



Order data

Contacts	Coding	Order No
3pins	A	M08A03/FA2/BN/OE
4pins	A	M08A04/FA2/BN/OE
	A(fool-proof)	M08104/FA2/BN/OE
	D	M08D04/FA2/BN/OE
5pins	B	M08B05/FA2/BN/OE
6pins	A	M08A06/FA2/BN/OE
8pins	A	M08A08/FA2/BN/OE

Specifications

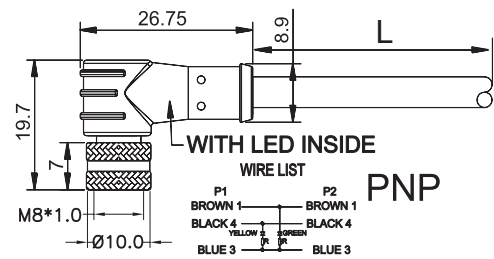
Number of contacts	3	4 A-coding	4 D-coding	5	6	8
Termination	moulded on cable					
Wire gauge	0.14/0.25/0.34 mm ² / (26/24/22 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	50V AC / 60V DC		60V	30V		
Rated current (40°C)	3A		4A	3A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Female cable (with LED PNP)

Product figure



Scale diagram



Contact layout (Front view)

3pins

4pins

4pins

A

A

A



Order data

Contacts	Coding	Order No
3pins	A	M08A03/MA4/BN/OE
4pins	A	M08A04/MA4/BN/OE
	A(fool-proof)	M08104/MA4/BN/OE

Specifications

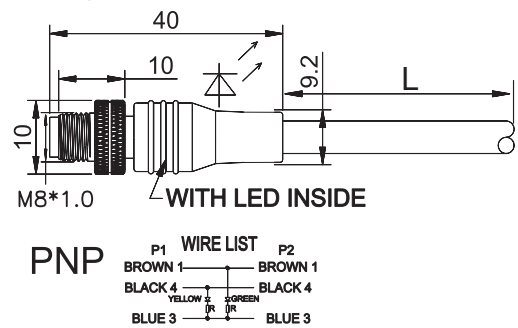
Number of contacts	3	4
Termination	moulded on cable	
Wire gauge	0.14/0.25/0.34 mm ² / (26/24/22 AWG)	
Operating temperature	-25°C ~ +80°C	
Mechanical operation	> 100 mating cycles	
Rated voltage	50V AC / 60V DC	
Rated current (40°C)	3A	
Protection degree	IP67/IP68	
Contact resistance	< 10mΩ	
Insulation resistance	≥100MΩ	
Pin contact	CuZn	
Socket contact	CuSn	
Contact plating	Au	

Male cable (with LED PNP)

Product figure



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



4pins

A



Order data

Contacts	Coding	Order No
3pins	A	M08A03/MA6/BN/OE
4pins	A	M08A04/MA6/BN/OE
	A(fool-proof)	M08104/MA6/BN/OE

Specifications

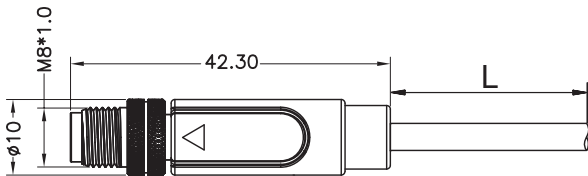
Number of contacts	3	4
Termination	moulded on cable	
Wire gauge	0.14/0.25/0.34 mm ² / (26/24/22 AWG)	
Operating temperature	-25°C ~ +80°C	
Mechanical operation	> 100 mating cycles	
Rated voltage	50V AC / 60V DC	
Rated current (40°C)	3A	
Protection degree	IP67/IP68	
Contact resistance	< 10mΩ	
Insulation resistance	≥100MΩ	
Pin contact	CuZn	
Socket contact	CuSn	
Contact plating	Au	

Male cable

Product figure



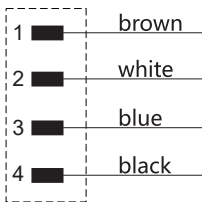
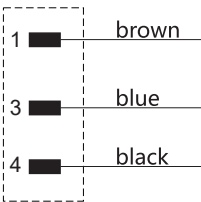
Scale diagram



Contact layout (Front view)



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC		PUR	
			black	gray	black	gray
1.5M	3pins	0.25mm ²	M08A03/MA3/BN/OE/01/1500	M08A03/MA3/BN/OE/06/1500	M08A03/MA3/BN/OE/21/1500	M08A03/MA3/BN/OE/26/1500
	4pins	0.25mm ²	M08A04/MA3/BN/OE/01/1500	M08A04/MA3/BN/OE/06/1500	M08A04/MA3/BN/OE/21/1500	M08A04/MA3/BN/OE/26/1500
3.0M	3pins	0.25mm ²	M08A03/MA3/BN/OE/01/3000	M08A03/MA3/BN/OE/06/3000	M08A03/MA3/BN/OE/21/3000	M08A03/MA3/BN/OE/26/3000
	4pins	0.25mm ²	M08A04/MA3/BN/OE/01/3000	M08A04/MA3/BN/OE/06/3000	M08A04/MA3/BN/OE/21/3000	M08A04/MA3/BN/OE/26/3000
5.0M	3pins	0.25mm ²	M08A03/MA3/BN/OE/01/5000	M08A03/MA3/BN/OE/06/5000	M08A03/MA3/BN/OE/21/5000	M08A03/MA3/BN/OE/26/5000
	4pins	0.25mm ²	M08A04/MA3/BN/OE/01/5000	M08A04/MA3/BN/OE/06/5000	M08A04/MA3/BN/OE/21/5000	M08A04/MA3/BN/OE/26/5000
7.5M	3pins	0.25mm ²	M08A03/MA3/BN/OE/01/7500	M08A03/MA3/BN/OE/06/7500	M08A03/MA3/BN/OE/21/7500	M08A03/MA3/BN/OE/26/7500
	4pins	0.25mm ²	M08A04/MA3/BN/OE/01/7500	M08A04/MA3/BN/OE/06/7500	M08A04/MA3/BN/OE/21/7500	M08A04/MA3/BN/OE/26/7500
10M	3pins	0.25mm ²	M08A03/MA3/BN/OE/01/10M0	M08A03/MA3/BN/OE/06/10M0	M08A03/MA3/BN/OE/21/10M0	M08A03/MA3/BN/OE/26/10M0
	4pins	0.25mm ²	M08A04/MA3/BN/OE/01/10M0	M08A04/MA3/BN/OE/06/10M0	M08A04/MA3/BN/OE/21/10M0	M08A04/MA3/BN/OE/26/10M0

Specification

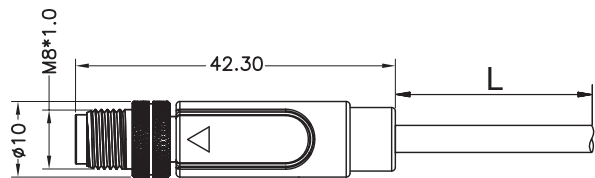
Number of contacts	3	4
Rated voltage	50V AC / 60V DC	
Rated current (40℃)	3A	
Protection degree	IP67/IP68	
Operating temperature	-25℃~ +80℃	
Cable OD	4.6mm	4.6~5.0mm

Male cable

Product figure



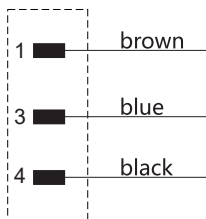
Scale diagram



Contact layout (Front view)



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PUR
			black
1.5M	3pins	0.34mm ²	M08A03/MA3/BN/OE/22/1500
3.0M	3pins	0.34mm ²	M08A03/MA3/BN/OE/22/3000
5.0M	3pins	0.34mm ²	M08A03/MA3/BN/OE/22/5000
7.5M	3pins	0.34mm ²	M08A03/MA3/BN/OE/22/7500
10M	3pins	0.34mm ²	M08A03/MA3/BN/OE/22/10M0

Specification

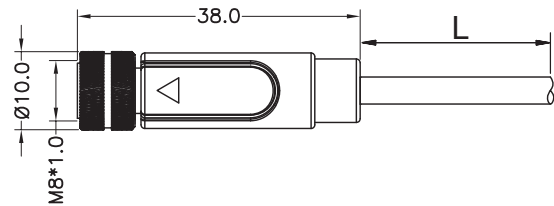
Number of contacts	3
Rated voltage	50V AC / 60V DC
Rated current (40°C)	3A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	4.5~5.0mm

Female cable

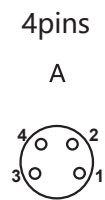
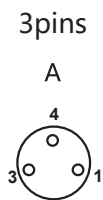
Product figure



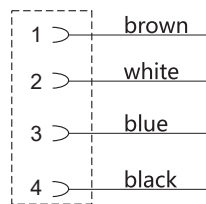
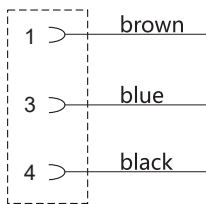
Scale diagram



Contact layout (Front view)



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC		PUR	
			black	gray	black	gray
1.5M	3pins	0.25mm ²	M08A03/FA3/BN/OE/01/1500	M08A03/FA3/BN/OE/06/1500	M08A03/FA3/BN/OE/21/1500	M08A03/FA3/BN/OE/26/1500
	4pins	0.25mm ²	M08A04/FA3/BN/OE/01/1500	M08A04/FA3/BN/OE/06/1500	M08A04/FA3/BN/OE/21/1500	M08A04/FA3/BN/OE/26/1500
3.0M	3pins	0.25mm ²	M08A03/FA3/BN/OE/01/3000	M08A03/FA3/BN/OE/06/3000	M08A03/FA3/BN/OE/21/3000	M08A03/FA3/BN/OE/26/3000
	4pins	0.25mm ²	M08A04/FA3/BN/OE/01/3000	M08A04/FA3/BN/OE/06/3000	M08A04/FA3/BN/OE/21/3000	M08A04/FA3/BN/OE/26/3000
5.0M	3pins	0.25mm ²	M08A03/FA3/BN/OE/01/5000	M08A03/FA3/BN/OE/06/5000	M08A03/FA3/BN/OE/21/5000	M08A03/FA3/BN/OE/26/5000
	4pins	0.25mm ²	M08A04/FA3/BN/OE/01/5000	M08A04/FA3/BN/OE/06/5000	M08A04/FA3/BN/OE/21/5000	M08A04/FA3/BN/OE/26/5000
7.5M	3pins	0.25mm ²	M08A03/FA3/BN/OE/01/7500	M08A03/FA3/BN/OE/06/7500	M08A03/FA3/BN/OE/21/7500	M08A03/FA3/BN/OE/26/7500
	4pins	0.25mm ²	M08A04/FA3/BN/OE/01/7500	M08A04/FA3/BN/OE/06/7500	M08A04/FA3/BN/OE/21/7500	M08A04/FA3/BN/OE/26/7500
10M	3pins	0.25mm ²	M08A03/FA3/BN/OE/01/10M0	M08A03/FA3/BN/OE/06/10M0	M08A03/FA3/BN/OE/21/10M0	M08A03/FA3/BN/OE/26/10M0
	4pins	0.25mm ²	M08A04/FA3/BN/OE/01/10M0	M08A04/FA3/BN/OE/06/10M0	M08A04/FA3/BN/OE/21/10M0	M08A04/FA3/BN/OE/26/10M0

Specification

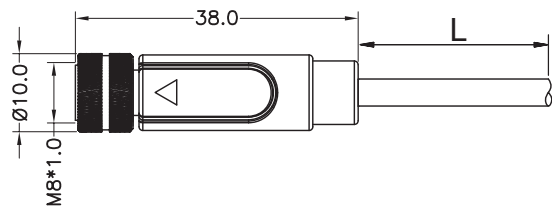
Number of contacts	3	4
Rated voltage	50V AC / 60V DC	
Rated current (40°C)	3A	
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	4.6mm	4.6~5.0mm

Female cable

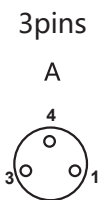
Product figure



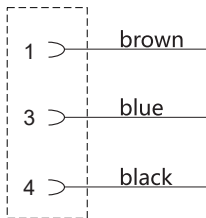
Scale diagram



Contact layout (Front view)



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC
			gray
1.5M	3pins	0.34mm ²	M08A03/MA3/BN/OE/07/1500
3.0M	3pins	0.34mm ²	M08A03/MA3/BN/OE/07/3000
5.0M	3pins	0.34mm ²	M08A03/MA3/BN/OE/07/5000
7.5M	3pins	0.34mm ²	M08A03/MA3/BN/OE/07/7500
10M	3pins	0.34mm ²	M08A03/MA3/BN/OE/07/10M0

Specification

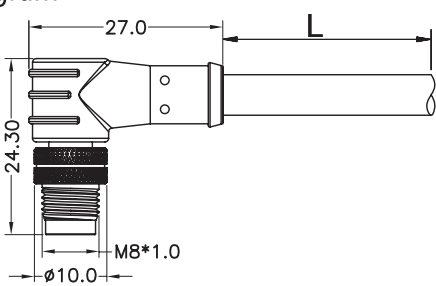
Number of contacts	3
Rated voltage	50V AC / 60V DC
Rated current (40°C)	3A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	4.5~5.0mm

Male cable (90°)

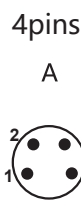
Product figure



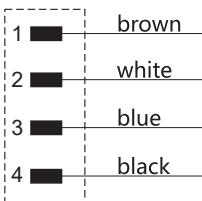
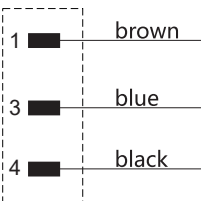
Scale diagram



Contact layout (Front view)



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC		PUR	
			black	gray	black	gray
1.5M	3pins	0.25mm ²	M08A03/MA2/BN/OE/01/1500	M08A03/MA2/BN/OE/06/1500	M08A03/MA2/BN/OE/21/1500	M08A03/MA2/BN/OE/26/1500
	4pins	0.25mm ²	M08A04/MA2/BN/OE/01/1500	M08A04/MA2/BN/OE/06/1500	M08A04/MA2/BN/OE/21/1500	M08A04/MA2/BN/OE/26/1500
3.0M	3pins	0.25mm ²	M08A03/MA2/BN/OE/01/3000	M08A03/MA2/BN/OE/06/3000	M08A03/MA2/BN/OE/21/3000	M08A03/MA2/BN/OE/26/3000
	4pins	0.25mm ²	M08A04/MA2/BN/OE/01/3000	M08A04/MA2/BN/OE/06/3000	M08A04/MA2/BN/OE/21/3000	M08A04/MA2/BN/OE/26/3000
5.0M	3pins	0.25mm ²	M08A03/MA2/BN/OE/01/5000	M08A03/MA2/BN/OE/06/5000	M08A03/MA2/BN/OE/21/5000	M08A03/MA2/BN/OE/26/5000
	4pins	0.25mm ²	M08A04/MA2/BN/OE/01/5000	M08A04/MA2/BN/OE/06/5000	M08A04/MA2/BN/OE/21/5000	M08A04/MA2/BN/OE/26/5000
7.5M	3pins	0.25mm ²	M08A03/MA2/BN/OE/01/7500	M08A03/MA2/BN/OE/06/7500	M08A03/MA2/BN/OE/21/7500	M08A03/MA2/BN/OE/26/7500
	4pins	0.25mm ²	M08A04/MA2/BN/OE/01/7500	M08A04/MA2/BN/OE/06/7500	M08A04/MA2/BN/OE/21/7500	M08A04/MA2/BN/OE/26/7500
10M	3pins	0.25mm ²	M08A03/MA2/BN/OE/01/10M0	M08A03/MA2/BN/OE/06/10M0	M08A03/MA2/BN/OE/21/10M0	M08A03/MA2/BN/OE/26/10M0
	4pins	0.25mm ²	M08A04/MA2/BN/OE/01/10M0	M08A04/MA2/BN/OE/06/10M0	M08A04/MA2/BN/OE/21/10M0	M08A04/MA2/BN/OE/26/10M0

Specification

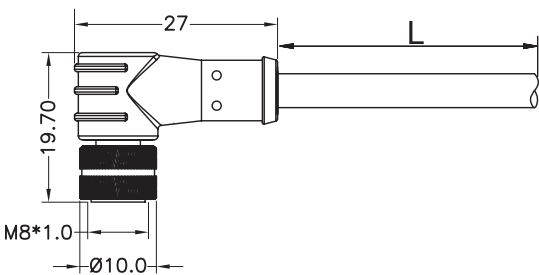
Number of contacts	3	4
Rated voltage	50V AC / 60V DC	
Rated current (40°C)	3A	
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	4.6mm	4.6~5.0mm

Female cable (90°)

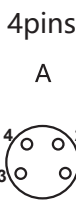
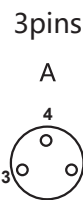
Product figure



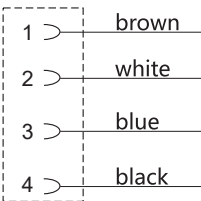
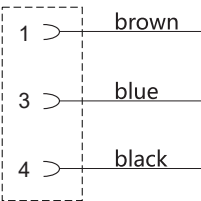
Scale diagram



Contact layout (Front view)



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC		PUR	
			black	gray	black	gray
1.5M	3pins	0.25mm ²	M08A03/FA2/BN/OE/01/1500	M08A03/FA2/BN/OE/06/1500	M08A03/FA2/BN/OE/21/1500	M08A03/FA2/BN/OE/26/1500
	4pins	0.25mm ²	M08A04/FA2/BN/OE/01/1500	M08A04/FA2/BN/OE/06/1500	M08A04/FA2/BN/OE/21/1500	M08A04/FA2/BN/OE/26/1500
3.0M	3pins	0.25mm ²	M08A03/FA2/BN/OE/01/3000	M08A03/FA2/BN/OE/06/3000	M08A03/FA2/BN/OE/21/3000	M08A03/FA2/BN/OE/26/3000
	4pins	0.25mm ²	M08A04/FA2/BN/OE/01/3000	M08A04/FA2/BN/OE/06/3000	M08A04/FA2/BN/OE/21/3000	M08A04/FA2/BN/OE/26/3000
5.0M	3pins	0.25mm ²	M08A03/FA2/BN/OE/01/5000	M08A03/FA2/BN/OE/06/5000	M08A03/FA2/BN/OE/21/5000	M08A03/FA2/BN/OE/26/5000
	4pins	0.25mm ²	M08A04/FA2/BN/OE/01/5000	M08A04/FA2/BN/OE/06/5000	M08A04/FA2/BN/OE/21/5000	M08A04/FA2/BN/OE/26/5000
7.5M	3pins	0.25mm ²	M08A03/FA2/BN/OE/01/7500	M08A03/FA2/BN/OE/06/7500	M08A03/FA2/BN/OE/21/7500	M08A03/FA2/BN/OE/26/7500
	4pins	0.25mm ²	M08A04/FA2/BN/OE/01/7500	M08A04/FA2/BN/OE/06/7500	M08A04/FA2/BN/OE/21/7500	M08A04/FA2/BN/OE/26/7500
10M	3pins	0.25mm ²	M08A03/FA2/BN/OE/01/10M0	M08A03/FA2/BN/OE/06/10M0	M08A03/FA2/BN/OE/21/10M0	M08A03/FA2/BN/OE/26/10M0
	4pins	0.25mm ²	M08A04/FA2/BN/OE/01/10M0	M08A04/FA2/BN/OE/06/10M0	M08A04/FA2/BN/OE/21/10M0	M08A04/FA2/BN/OE/26/10M0

Specification

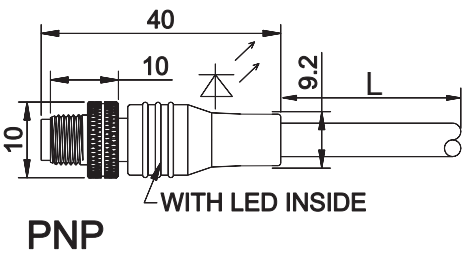
Number of contacts	3	4
Rated voltage	50V AC / 60V DC	
Rated current (40°C)	3A	
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	4.6mm	4.6~5.0mm

Male cable (with LED PNP)

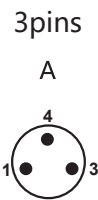
Product figure



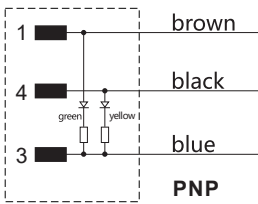
Scale diagram



Contact layout (Front view)



Circuit diagram



Order No

Cable length	Contacts	0.25mm ²
1.5M	3pins	M08A03/MA6/BN/OE/01/1500
3.0M	3pins	M08A03/MA6/BN/OE/01/3000
5.0M	3pins	M08A03/MA6/BN/OE/01/5000
7.5M	3pins	M08A03/MA6/BN/OE/01/7500
10M	3pins	M08A03/MA6/BN/OE/01/10M0

Specification

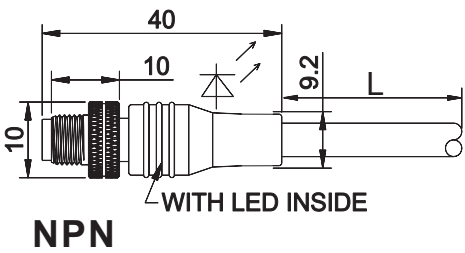
Number of contacts	3
Rated voltage	50V AC / 60V DC
Rated current (40°C)	3A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	4.6mm

Male cable (with LED NPN)

Product figure



Scale diagram



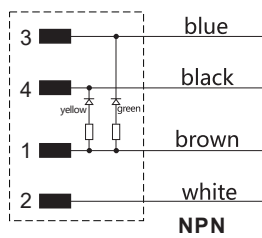
Contact layout (Front view)

4pins

A



Circuit diagram



Order No/订货号

Cable length	Contacts	0.25mm ²
1.5M	4pins	M08A03/MA3/BN/OE/01/1500
3.0M	4pins	M08A03/MA3/BN/OE/01/3000
5.0M	4pins	M08A03/MA3/BN/OE/01/5000
7.5M	4pins	M08A03/MA3/BN/OE/01/7500
10M	4pins	M08A03/MA3/BN/OE/01/10M0

Specification

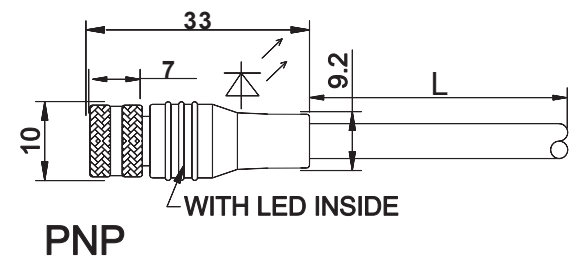
Number of contacts	4
Rated voltage	50V AC / 60V DC
Rated current (40°C)	3A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	4.6~5.0mm

Female cable (with LED PNP)

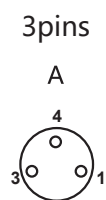
Product figure



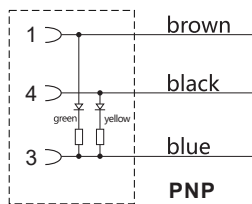
Scale diagram



Contact layout (Front view)



Circuit diagram



Order No

Cable length	Contacts	0.25mm ²
1.5M	3pins	M08A03/FA6/BN/OE/01/1500
3.0M	3pins	M08A03/FA6/BN/OE/01/3000
5.0M	3pins	M08A03/FA6/BN/OE/01/5000
7.5M	3pins	M08A03/FA6/BN/OE/01/7500
10M	3pins	M08A03/FA6/BN/OE/01/10M0

Specification

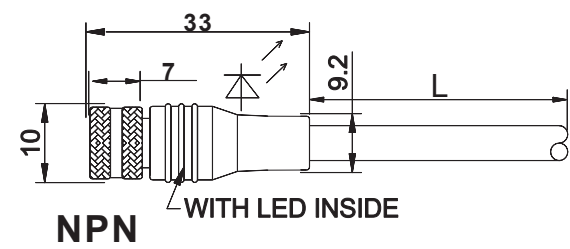
Number of contacts	3
Rated voltage	50V AC / 60V DC
Rated current (40°C)	3A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	4.6mm

Female cable (with LED NPN)

Product figure



Scale diagram



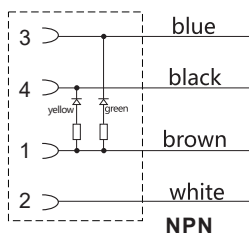
Contact layout (Front view)

4pins

A



Circuit diagram



Order No

Cable length	Contacts	0.25mm ²
1.5M	4pins	M08A04/FA7/BN/OE/01/1500
3.0M	4pins	M08A04/FA7/BN/OE/01/3000
5.0M	4pins	M08A04/FA7/BN/OE/01/5000
7.5M	4pins	M08A04/FA7/BN/OE/01/7500
10M	4pins	M08A04/FA7/BN/OE/01/10M0

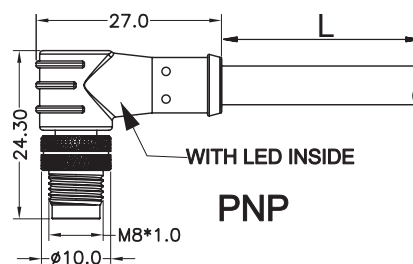
Specification

Number of contacts	4
Rated voltage	50V AC / 60V DC
Rated current (40°C)	3A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	4.6~5.0mm

Product figure



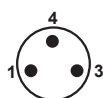
Scale diagram



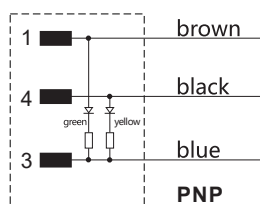
Contact layout (Front view)

3pins

A



Circuit diagram

**Order No**

Cable length	Contacts	0.25mm ²
1.5M	3pins	M08A03/MA4/BN/OE/01/1500
3.0M	3pins	M08A03/MA4/BN/OE/01/3000
5.0M	3pins	M08A03/MA4/BN/OE/01/5000
7.5M	3pins	M08A03/MA4/BN/OE/01/7500
10M	3pins	M08A03/MA4/BN/OE/01/10M0

Specification

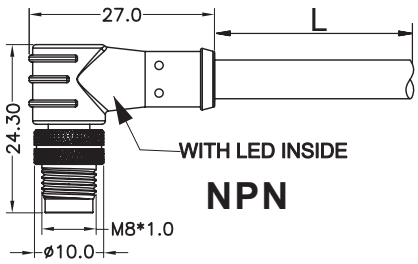
Number of contacts	3
Rated voltage	50V AC / 60V DC
Rated current (40°C)	3A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	4.6mm

Male cable (90° with LED NPN)

Product figure



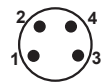
Scale diagram



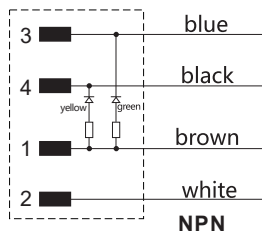
Contact layout (Front view)

4pins

A



Circuit diagram



Order No

Cable length	Contacts	0.25mm ²
1.5M	4pins	M08A04/MA5/BN/OE/01/1500
3.0M	4pins	M08A04/MA5/BN/OE/01/3000
5.0M	4pins	M08A04/MA5/BN/OE/01/5000
7.5M	4pins	M08A04/MA5/BN/OE/01/7500
10M	4pins	M08A04/MA5/BN/OE/01/10M0

Specification

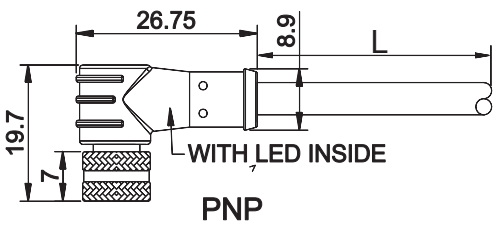
Number of contacts	4
Rated voltage	50V AC / 60V DC
Rated current (40°C)	3A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	4.6 ~ 5.0mm

Female cable (90° with LED PNP)

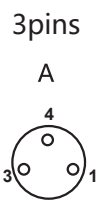
Product figure



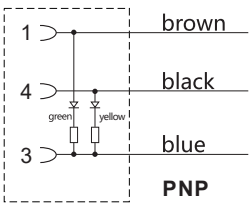
Scale diagram



Contact layout (Front view)



Circuit diagram



Order No

Cable length	Contacts	0.25mm ²
1.5M	3pins	M08A03/FA4/BN/OE/01/1500
3.0M	3pins	M08A03/FA4/BN/OE/01/3000
5.0M	3pins	M08A03/FA4/BN/OE/01/5000
7.5M	3pins	M08A03/FA4/BN/OE/01/7500
10M	3pins	M08A03/FA4/BN/OE/01/10M0

Specification

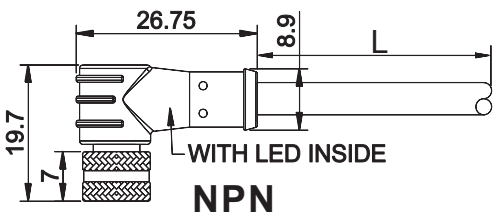
Number of contacts	3
Rated voltage	50V AC / 60V DC
Rated current (40°C)	3A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	4.6mm

Female cable (90° with LED NPN)

Product figure



Scale diagram



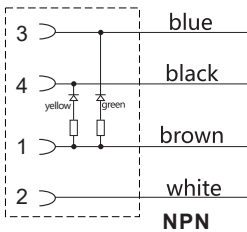
Contact layout (Front view)

4pins

A



Circuit diagram



Order No

Cable length	Contacts	0.25mm ²
1.5M	4pins	M08A04/FA5/BN/OE/01/1500
3.0M	4pins	M08A04/FA5/BN/OE/01/3000
5.0M	4pins	M08A04/FA5/BN/OE/01/5000
7.5M	4pins	M08A04/FA5/BN/OE/01/7500
10M	4pins	M08A04/FA5/BN/OE/01/10M0

Specification

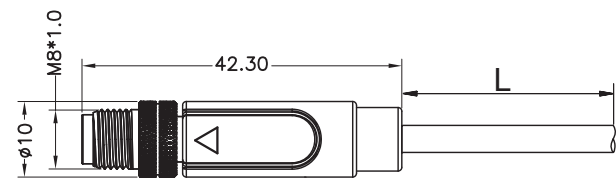
Number of contacts/芯数	4
Rated voltage	50V AC / 60V DC
Rated current (40°C)	3A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	4.6~5.0mm

Male cable (with shield)

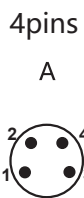
Product figure



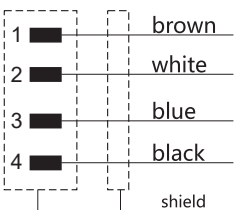
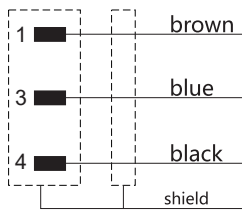
Scale diagram



Contact layout (Front view)



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC+AEB		PUR+AEB	
			black	gray	black	gray
1.5M	3pins	0.25mm ²	M08A03/MB4/BN/OE/31/1500	M08A03/MB4/BN/OE/36/1500	M08A03/MB4/BN/OE/41/1500	M08A03/MB4/BN/OE/46/1500
	4pins	0.25mm ²	M08A04/MB4/BN/OE/31/1500	M08A04/MB4/BN/OE/36/1500	M08A04/MB4/BN/OE/41/1500	M08A04/MB4/BN/OE/46/1500
3.0M	3pins	0.25mm ²	M08A03/MB4/BN/OE/31/3000	M08A03/MB4/BN/OE/36/3000	M08A03/MB4/BN/OE/41/3000	M08A03/MB4/BN/OE/46/3000
	4pins	0.25mm ²	M08A04/MB4/BN/OE/31/3000	M08A04/MB4/BN/OE/36/3000	M08A04/MB4/BN/OE/41/3000	M08A04/MB4/BN/OE/46/3000
5.0M	3pins	0.25mm ²	M08A03/MB4/BN/OE/31/5000	M08A03/MB4/BN/OE/36/5000	M08A03/MB4/BN/OE/41/5000	M08A03/MB4/BN/OE/46/5000
	4pins	0.25mm ²	M08A04/MB4/BN/OE/31/5000	M08A04/MB4/BN/OE/36/5000	M08A04/MB4/BN/OE/41/5000	M08A04/MB4/BN/OE/46/5000
7.5M	3pins	0.25mm ²	M08A03/MB4/BN/OE/31/7500	M08A03/MB4/BN/OE/36/7500	M08A03/MB4/BN/OE/41/7500	M08A03/MB4/BN/OE/46/7500
	4pins	0.25mm ²	M08A04/MB4/BN/OE/31/7500	M08A04/MB4/BN/OE/36/7500	M08A04/MB4/BN/OE/41/7500	M08A04/MB4/BN/OE/46/7500
10M	3pins	0.25mm ²	M08A03/MB4/BN/OE/31/10M0	M08A03/MB4/BN/OE/36/10M0	M08A03/MB4/BN/OE/41/10M0	M08A03/MB4/BN/OE/46/10M0
	4pins	0.25mm ²	M08A04/MB4/BN/OE/31/10M0	M08A04/MB4/BN/OE/36/10M0	M08A04/MB4/BN/OE/41/10M0	M08A04/MB4/BN/OE/46/10M0

Specification

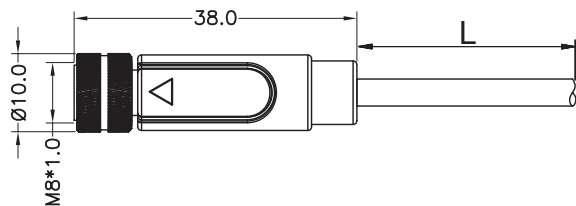
Number of contacts	3	4
Rated voltage	50V AC / 60V DC	
Rated current (40°C)	3A	
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	4.6mm	4.6~5.0mm

Female cable (with shield)

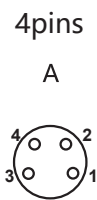
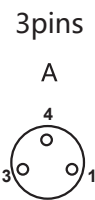
Product figure



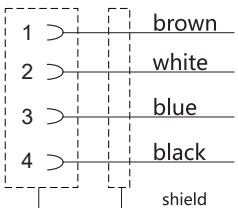
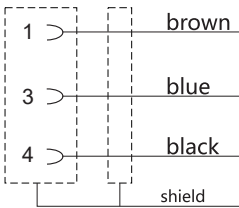
Scale diagram



Contact layout (Front view)



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC+AEB		PUR+AEB	
			black	gray	black	gray
1.5M	3pins	0.25mm ²	M08A03/FB4/BN/OE/31/1500	M08A03/FB4/BN/OE/36/1500	M08A03/FB4/BN/OE/41/1500	M08A03/FB4/BN/OE/46/1500
	4pins	0.25mm ²	M08A04/FB4/BN/OE/31/1500	M08A04/FB4/BN/OE/36/1500	M08A04/FB4/BN/OE/41/1500	M08A04/FB4/BN/OE/46/1500
3.0M	3pins	0.25mm ²	M08A03/FB4/BN/OE/31/3000	M08A03/FB4/BN/OE/36/3000	M08A03/FB4/BN/OE/41/3000	M08A03/FB4/BN/OE/46/3000
	4pins	0.25mm ²	M08A04/FB4/BN/OE/31/3000	M08A04/FB4/BN/OE/36/3000	M08A04/FB4/BN/OE/41/3000	M08A04/FB4/BN/OE/46/3000
5.0M	3pins	0.25mm ²	M08A03/FB4/BN/OE/31/5000	M08A03/FB4/BN/OE/36/5000	M08A03/FB4/BN/OE/41/5000	M08A03/FB4/BN/OE/46/5000
	4pins	0.25mm ²	M08A04/FB4/BN/OE/31/5000	M08A04/FB4/BN/OE/36/5000	M08A04/FB4/BN/OE/41/5000	M08A04/FB4/BN/OE/46/5000
7.5M	3pins	0.25mm ²	M08A03/FB4/BN/OE/31/7500	M08A03/FB4/BN/OE/36/7500	M08A03/FB4/BN/OE/41/7500	M08A03/FB4/BN/OE/46/7500
	4pins	0.25mm ²	M08A04/FB4/BN/OE/31/7500	M08A04/FB4/BN/OE/36/7500	M08A04/FB4/BN/OE/41/7500	M08A04/FB4/BN/OE/46/7500
10M	3pins	0.25mm ²	M08A03/FB4/BN/OE/31/10M0	M08A03/FB4/BN/OE/36/10M0	M08A03/FB4/BN/OE/41/10M0	M08A03/FB4/BN/OE/46/10M0
	4pins	0.25mm ²	M08A04/FB4/BN/OE/31/10M0	M08A04/FB4/BN/OE/36/10M0	M08A04/FB4/BN/OE/41/10M0	M08A04/FB4/BN/OE/46/10M0

Specification

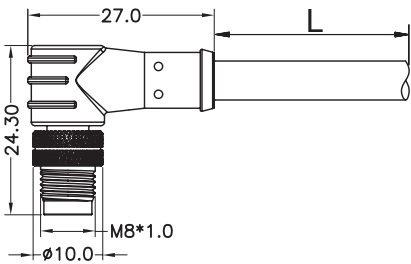
Number of contacts	3	4
Rated voltage	50V AC / 60V DC	
Rated current (40°C)	3A	
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	4.6mm	4.6~5.0mm

Male cable (90° with shield)

Product figure



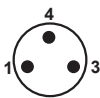
Scale diagram



Contact layout (Front view)

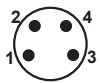
3pins

A

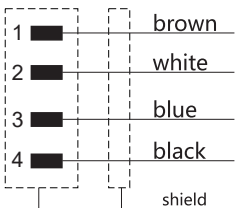
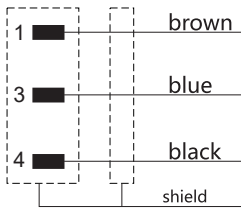


4pins

A



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC+AEB		PUR+AEB	
			black	gray	black	gray
1.5M	3pins	0.25mm ²	M08A03/MB5/BN/OE/31/1500	M08A03/MB5/BN/OE/36/1500	M08A03/MB5/BN/OE/41/1500	M08A03/MB5/BN/OE/46/1500
	4pins	0.25mm ²	M08A04/MB5/BN/OE/31/1500	M08A04/MB5/BN/OE/36/1500	M08A04/MB5/BN/OE/41/1500	M08A04/MB5/BN/OE/46/1500
3.0M	3pins	0.25mm ²	M08A03/MB5/BN/OE/31/3000	M08A03/MB5/BN/OE/36/3000	M08A03/MB5/BN/OE/41/3000	M08A03/MB5/BN/OE/46/3000
	4pins	0.25mm ²	M08A04/MB5/BN/OE/31/3000	M08A04/MB5/BN/OE/36/3000	M08A04/MB5/BN/OE/41/3000	M08A04/MB5/BN/OE/46/3000
5.0M	3pins	0.25mm ²	M08A03/MB5/BN/OE/31/5000	M08A03/MB5/BN/OE/36/5000	M08A03/MB5/BN/OE/41/5000	M08A03/MB5/BN/OE/46/5000
	4pins	0.25mm ²	M08A04/MB5/BN/OE/31/5000	M08A04/MB5/BN/OE/36/5000	M08A04/MB5/BN/OE/41/5000	M08A04/MB5/BN/OE/46/5000
7.5M	3pins	0.25mm ²	M08A03/MB5/BN/OE/31/7500	M08A03/MB5/BN/OE/36/7500	M08A03/MB5/BN/OE/41/7500	M08A03/MB5/BN/OE/46/7500
	4pins	0.25mm ²	M08A04/MB5/BN/OE/31/7500	M08A04/MB5/BN/OE/36/7500	M08A04/MB5/BN/OE/41/7500	M08A04/MB5/BN/OE/46/7500
10M	3pins	0.25mm ²	M08A03/MB5/BN/OE/31/10M0	M08A03/MB5/BN/OE/36/10M0	M08A03/MB5/BN/OE/41/10M0	M08A03/MB5/BN/OE/46/10M0
	4pins	0.25mm ²	M08A04/MB5/BN/OE/31/10M0	M08A04/MB5/BN/OE/36/10M0	M08A04/MB5/BN/OE/41/10M0	M08A04/MB5/BN/OE/46/10M0

Specification

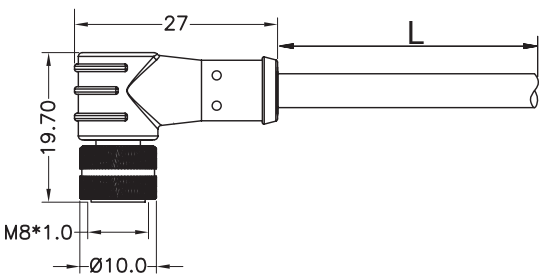
Number of contacts	3	4
Rated voltage	50V AC / 60V DC	
Rated current (40°C)	3A	
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	4.6mm	4.6~5.0mm

Female cable (90° with shield)

Product figure

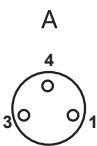


Scale diagram

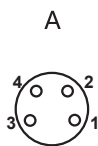


Contact layout (Front view)

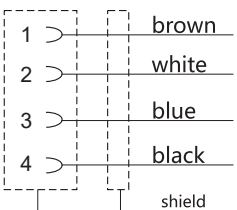
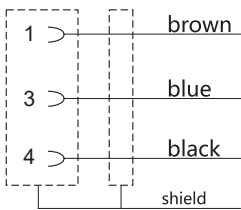
3pins



4pins



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC+AEB		PUR+AEB	
			black	gray	black	gray
1.5M	3pins	0.25mm ²	M08A03/FB5/BN/OE/31/1500	M08A03/FB5/BN/OE/36/1500	M08A03/FB5/BN/OE/41/1500	M08A03/FB5/BN/OE/46/1500
	4pins	0.25mm ²	M08A04/FB5/BN/OE/31/1500	M08A04/FB5/BN/OE/36/1500	M08A04/FB5/BN/OE/41/1500	M08A04/FB5/BN/OE/46/1500
3.0M	3pins	0.25mm ²	M08A03/FB5/BN/OE/31/3000	M08A03/FB5/BN/OE/36/3000	M08A03/FB5/BN/OE/41/3000	M08A03/FB5/BN/OE/46/3000
	4pins	0.25mm ²	M08A04/FB5/BN/OE/31/3000	M08A04/FB5/BN/OE/36/3000	M08A04/FB5/BN/OE/41/3000	M08A04/FB5/BN/OE/46/3000
5.0M	3pins	0.25mm ²	M08A03/FB5/BN/OE/31/5000	M08A03/FB5/BN/OE/36/5000	M08A03/FB5/BN/OE/41/5000	M08A03/FB5/BN/OE/46/5000
	4pins	0.25mm ²	M08A04/FB5/BN/OE/31/5000	M08A04/FB5/BN/OE/36/5000	M08A04/FB5/BN/OE/41/5000	M08A04/FB5/BN/OE/46/5000
7.5M	3pins	0.25mm ²	M08A03/FB5/BN/OE/31/7500	M08A03/FB5/BN/OE/36/7500	M08A03/FB5/BN/OE/41/7500	M08A03/FB5/BN/OE/46/7500
	4pins	0.25mm ²	M08A04/FB5/BN/OE/31/7500	M08A04/FB5/BN/OE/36/7500	M08A04/FB5/BN/OE/41/7500	M08A04/FB5/BN/OE/46/7500
10M	3pins	0.25mm ²	M08A03/FB5/BN/OE/31/10M0	M08A03/FB5/BN/OE/36/10M0	M08A03/FB5/BN/OE/41/10M0	M08A03/FB5/BN/OE/46/10M0
	4pins	0.25mm ²	M08A04/FB5/BN/OE/31/10M0	M08A04/FB5/BN/OE/36/10M0	M08A04/FB5/BN/OE/41/10M0	M08A04/FB5/BN/OE/46/10M0

Specification

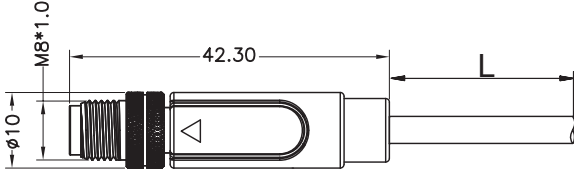
Number of contacts	3	4
Rated voltage	50V AC / 60V DC	
Rated current (40°C)	3A	
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	4.6mm	4.6~5.0mm

Male cable (with shield)

Product figure

EtherCAT

Scale diagram

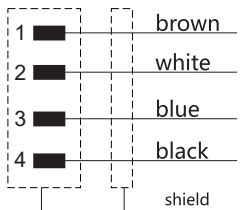


Contact layout (Front view)

4pins
A



Circuit diagram



Order No/订货号

Cable length	Contacts	Wire diameter	PUR+AEB
			green
1.0M	4pins	0.15mm ²	M08A04/MB4/BN/OE/55/1000
1.5M	4pins	0.15mm ²	M08A04/MB4/BN/OE/55/1500
3.0M	4pins	0.15mm ²	M08A04/MB4/BN/OE/55/3000
5.0M	4pins	0.15mm ²	M08A04/MB4/BN/OE/55/5000
7.5M	4pins	0.15mm ²	M08A04/MB4/BN/OE/55/7500
10M	4pins	0.15mm ²	M08A04/MB4/BN/OE/55/10M0

Specification

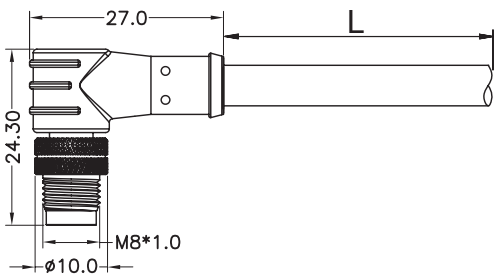
Number of contacts	4
Rated voltage	50V AC / 60V DC
Rated current (40°C)	3A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	4.6~5.0mm

Male cable (90° with shield)

Product figure EtherCAT



Scale diagram



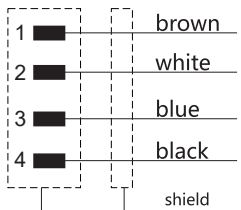
Contact layout (Front view)

4pins

A



Circuit diagram



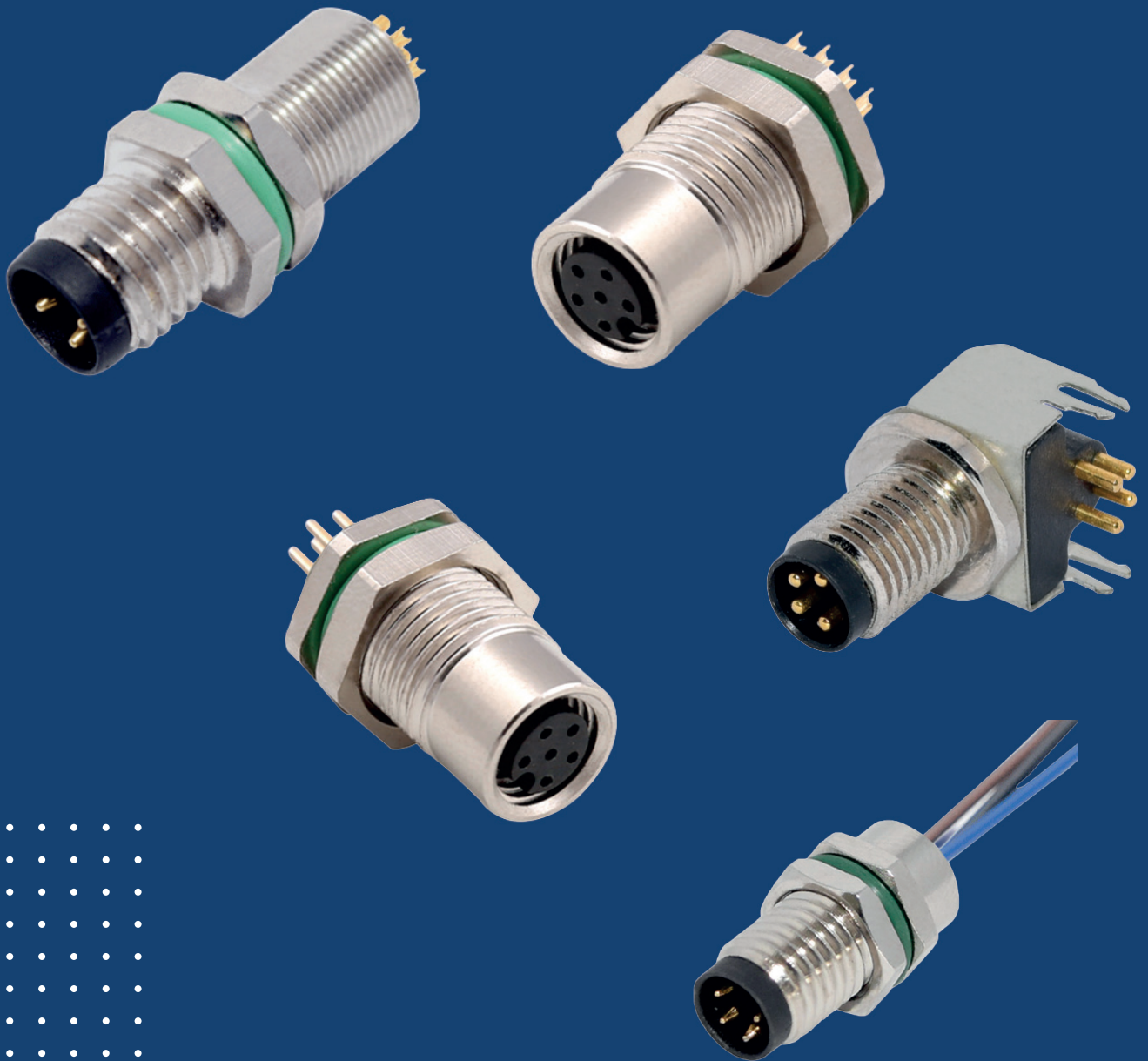
Order No

Cable length	Contacts	Wire diameter	PUR+AEB
			green
1.0M	4pins	0.15mm ²	M08A04/MB5/BN/OE/55/1000
1.5M	4pins	0.15mm ²	M08A04/MB5/BN/OE/55/1500
3.0M	4pins	0.15mm ²	M08A04/MB5/BN/OE/55/3000
5.0M	4pins	0.15mm ²	M08A04/MB5/BN/OE/55/5000
7.5M	4pins	0.15mm ²	M08A04/MB5/BN/OE/55/7500
10M	4pins	0.15mm ²	M08A04/MB5/BN/OE/55/10M0

Specification

Number of contacts	4
Rated voltage	50V AC / 60V DC
Rated current (40°C)	3A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	4.6~5.0mm

 ENGELKING



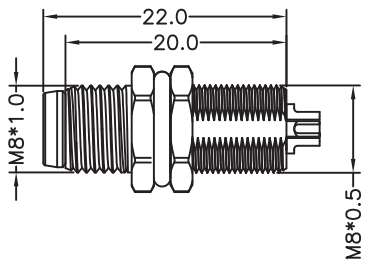
M8 Series

Panel Mount Connectors

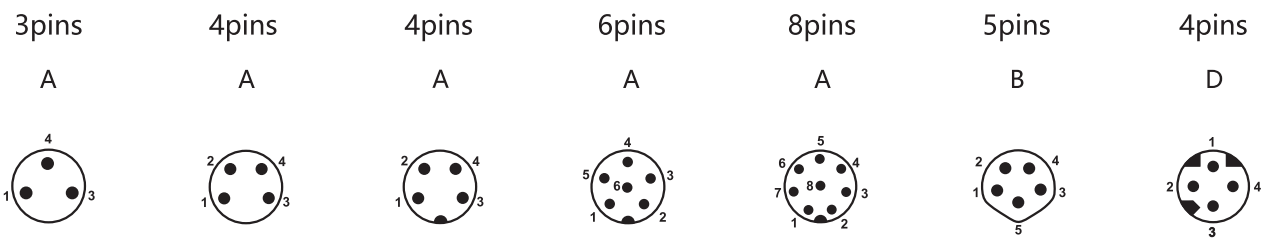
Male panel connector

Product figure (rear fastened solder)

Scale diagram



Contact layout (Front view)



Order data

Contacts	Coding	Order No
3pins	A	M08A03/MH3/BN/SC
4pins	A	M08A04/MH3/BN/SC
	A(fool-proof)	M08104/MH3/BN/SC
	D	M08D04/MH3/BN/SC
5pins	B	M08B05/MH3/BN/SC
6pins	A	M08A06/MH3/BN/SC
8pins	A	M08A08/MH3/BN/SC

Specifications

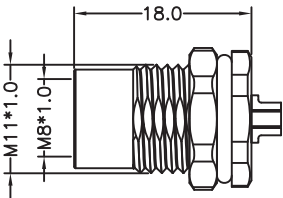
Number of contacts	3	4 A-coding	4 D-coding	5	6	8
Termination	solder					
Wire gauge	0.14/0.25/0.34 mm ² / (26/24/22 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	50V AC / 60V DC		60V	30V		
Rated current (40°C)	3A		4A	3A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Female panel connector

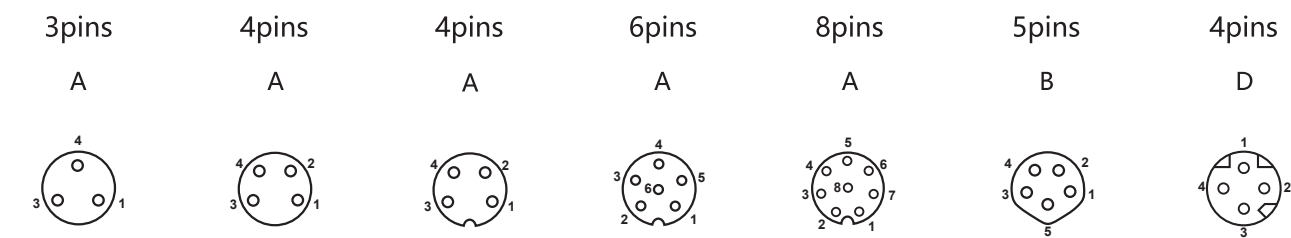
Product figure (front fastened solder)



Scale diagram



Contact layout (Front view)



Order data

Contacts	Coding	Order No
3pins	A	M08A03/FH5/BN/SC
4pins	A	M08A04/FH5/BN/SC
	A(fool-proof)	M08104/FH5/BN/SC
	D	M08D04/FH5/BN/SC
5pins	B	M08B05/FH5/BN/SC
6pins	A	M08A06/FH5/BN/SC
8pins	A	M08A08/FH5/BN/SC

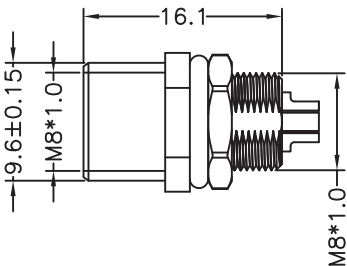
Specifications

Number of contacts	3	4 A-coding	4 D-coding	5	6	8
Termination	solder					
Wire gauge	0.14/0.25/0.34 mm ² / (26/24/22 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	50V AC / 60V DC		60V	30V		
Rated current (40°C)	3A		4A	3A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

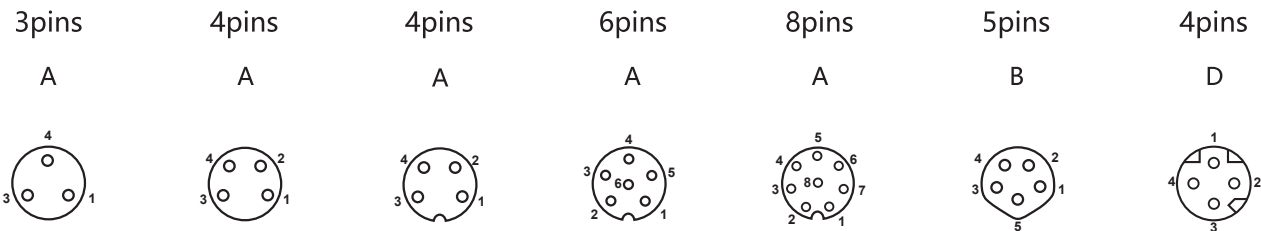
Female panel connector

Product figure (M8*1.0 rear fastened solder)

Scale diagram



Contact layout (Front view)



Order data

Contacts	Coding	Order No
3pins	A	M08A03/FH6/BN/SC
4pins	A	M08A04/FH6/BN/SC
	A(fool-proof)	M08104/FH6/BN/SC
	D	M08D04/FH6/BN/SC
5pins	B	M08B05/FH6/BN/SC
6pins	A	M08A06/FH6/BN/SC
8pins	A	M08A08/FH6/BN/SC

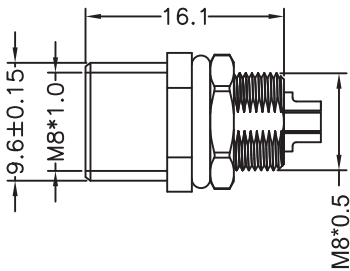
Specifications

Number of contacts	3	4 A-coding	4 D-coding	5	6	8
Termination	solder					
Wire gauge	0.14/0.25/0.34 mm ² / (26/24/22 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	50V AC / 60V DC		60V	30V		
Rated current (40°C)	3A		4A	3A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

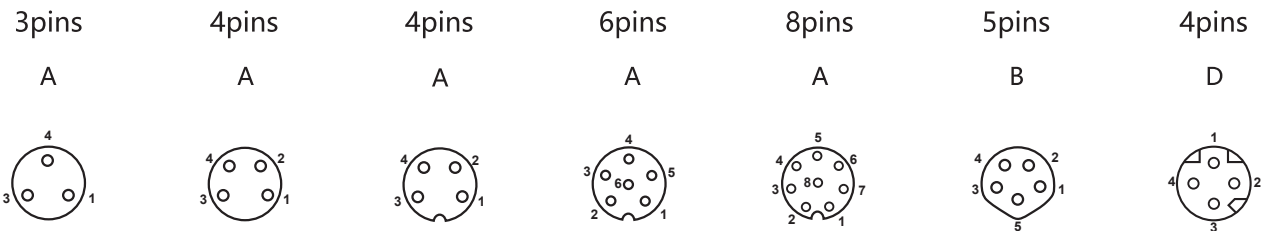
Female panel connector

Product figure (M8*0.5 rear fastened solder)

Scale diagram



Contact layout (Front view)



Order data

Contacts	Coding	Order No
3pins	A	M08A03/FH3/BN/SC
4pins	A	M08A04/FH3/BN/SC
	A(fool-proof)	M08104/FH3/BN/SC
	D	M08D04/FH3/BN/SC
5pins	B	M08B05/FH3/BN/SC
6pins	A	M08A06/FH3/BN/SC
8pins	A	M08A08/FH3/BN/SC

Specifications

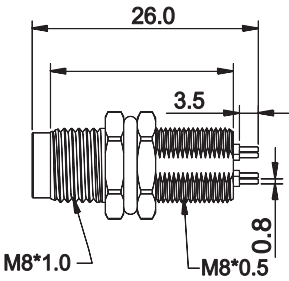
Number of contacts	3	4 A-coding	4 D-coding	5	6	8
Termination	solder					
Wire gauge	0.14/0.25/0.34 mm ² / (26/24/22 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	50V AC / 60V DC		60V	30V		
Rated current (40°C)	3A		4A	3A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Male panel connector

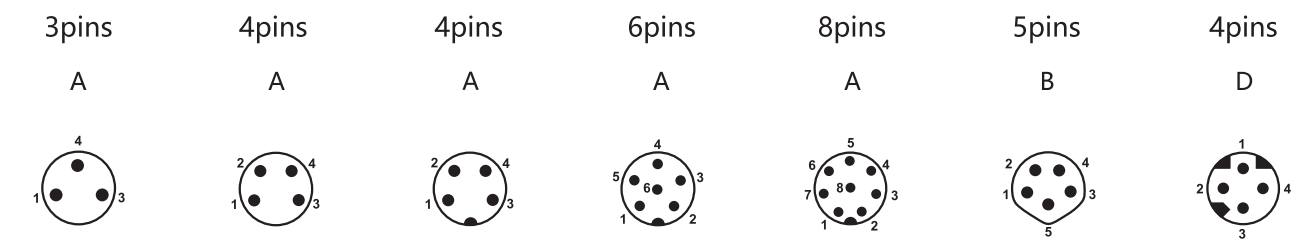
Product figure (rear fastened DIP)



Scale diagram



Contact layout (Front view)



Order data

Contacts	Coding	Order No
3pins	A	M08A03/MH3/BN/PC
4pins	A	M08A04/MH3/BN/PC
	A(fool-proof)	M08104/MH3/BN/PC
	D	M08D04/MH3/BN/PC
5pins	B	M08B05/MH3/BN/PC
6pins	A	M08A06/MH3/BN/PC
8pins	A	M08A08/MH3/BN/PC

Specifications

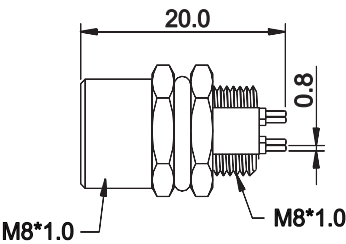
Number of contacts	3	4 A-coding	4 D-coding	5	6	8
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	50V AC / 60V DC		60V	30V		
Rated current (40°C)	3A		4A	3A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Female panel connector

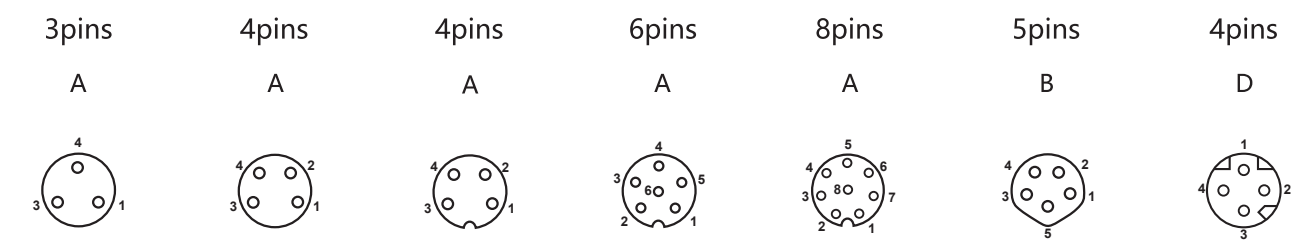
Product figure (M8*1.0 rear fastened DIP)



Scale diagram



Contact layout (Front view)



Order data

Contacts	Coding	Order No
3pins	A	M08A03/FH6/BN/PC
4pins	A	M08A04/FH6/BN/PC
	A(fool-proof)	M08104/FH6/BN/PC
	D	M08D04/FH6/BN/PC
5pins	B	M08B05/FH6/BN/PC
6pins	A	M08A06/FH6/BN/PC
8pins	A	M08A08/FH6/BN/PC

Specifications

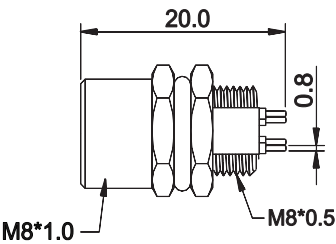
Number of contacts	3	4 A-coding	4 D-coding	5	6	8
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	50V AC / 60V DC		60V	30V		
Rated current (40°C)	3A		4A	3A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Female panel connector

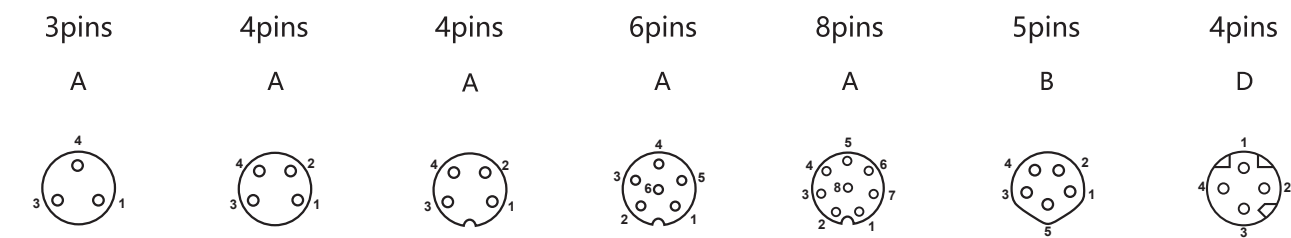
Product figure (M8*0.5 rear fastened DIP)



Scale diagram



Contact layout (Front view)



Order data

Contacts	Coding	Order No
3pins	A	M08A03/FH3/BN/PC
4pins	A	M08A04/FH3/BN/PC
	A(fool-proof)	M08104/FH3/BN/PC
	D	M08D04/FH3/BN/PC
5pins	B	M08B05/FH3/BN/PC
6pins	A	M08A06/FH3/BN/PC
8pins	A	M08A08/FH3/BN/PC

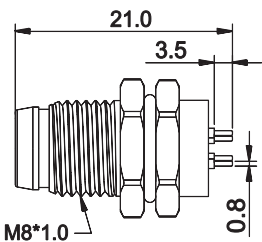
Specifications

Number of contacts	3	4 A-coding	4 D-coding	5	6	8
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	50V AC / 60V DC		60V	30V		
Rated current (40°C)	3A		4A	3A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

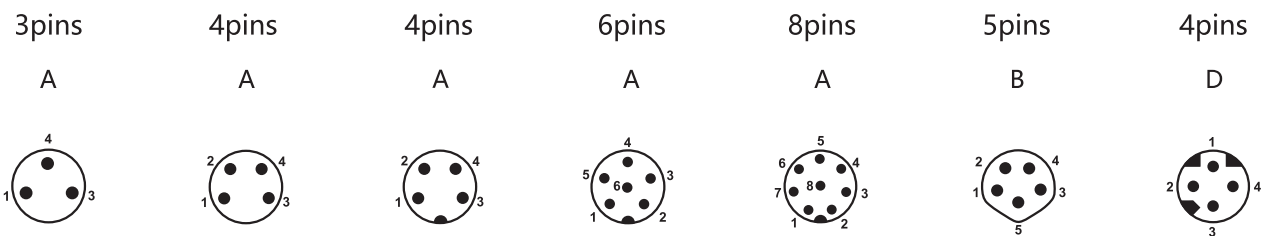
Male panel connector

Product figure (front fastened DIP)

Scale diagram



Contact layout (Front view)



Order data

Contacts	Coding	Order No
3pins	A	M08A03/MH7/BN/PC
4pins	A	M08A04/MH7/BN/PC
	A(fool-proof)	M08104/MH7/BN/PC
	D	M08D04/MH7/BN/PC
5pins	B	M08B05/MH7/BN/PC
6pins	A	M08A06/MH7/BN/PC
8pins	A	M08A08/MH7/BN/PC

Specifications

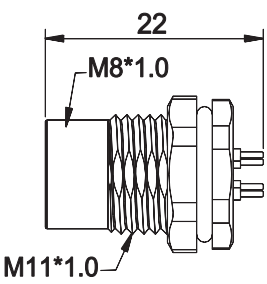
Number of contacts	3	4 A-coding	4 D-coding	5	6	8
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	50V AC / 60V DC		60V	30V		
Rated current (40°C)	3A		4A	3A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Female panel connector

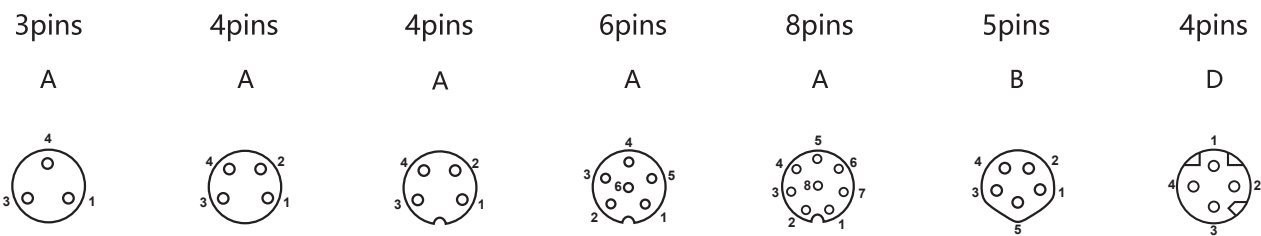
Product figure (front fastened DIP)



Scale diagram



Contact layout (Front view)



Order data

Contacts	Coding	Order No
3pins	A	M08A03/FH5/BN/PC
4pins	A	M08A04/FH5/BN/PC
	A(fool-proof)	M08104/FH5/BN/PC
	D	M08D04/FH5/BN/PC
5pins	B	M08B05/FH5/BN/PC
6pins	A	M08A06/FH5/BN/PC
8pins	A	M08A08/FH5/BN/PC

Specifications

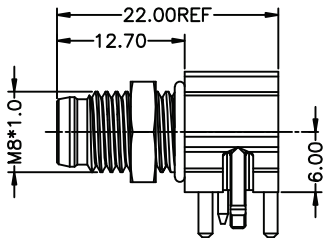
Number of contacts	3	4 A-coding	4 D-coding	5	6	8
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	50V AC / 60V DC		60V	30V		
Rated current (40°C)	3A		4A	3A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Male panel connector (90°)

Product figure



Scale diagram



Contact layout (Front view)

3pins

4pins

5pins

A

A

B



Order data

Contacts	Coding	Order No
3pins	A	M08A03/MH7/PA/90
4pins	A	M08A04/MH7/PA/90
5pins	B	M08B05/MH7/PA/90

Specifications

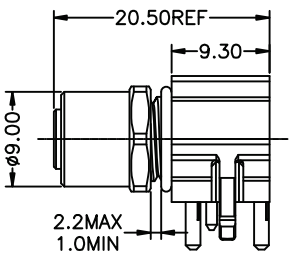
Number of contacts	3	4	5
Termination	PCB		
Wire gauge	—		
Operating temperature	-25°C~+85°C		
Mechanical operation	> 100 mating cycles		
Rated voltage	50V AC / 60V DC		30V
Rated current (40°C)	3A		
Protection degree	IP67/IP68		
Contact resistance	< 10mΩ		
Insulation resistance	≥100MΩ		
Pin contact	CuZn		
Socket contact	CuSn		
Contact plating	Au		

Female panel connector (90°)

Product figure



Scale diagram



Contact layout (Front view)

3pins

4pins

5pins

A

A

B



Order data

Contacts	Coding	Order No
3pins	A	M08A03/FH7/BN/90
4pins	A	M08A04/FH7/BN/90
5pins	A	M08A05/FH7/BN/90

Specifications

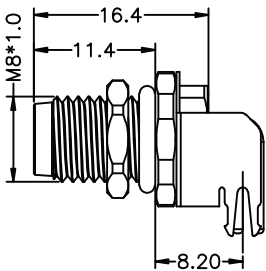
Number of contacts	3	4	5
Termination	PCB		
Wire gauge	—		
Operating temperature	-25°C~+85°C		
Mechanical operation	> 100 mating cycles		
Rated voltage	50V AC / 60V DC		30V
Rated current (40°C)	3A		
Protection degree	IP67/IP68		
Contact resistance	< 10mΩ		
Insulation resistance	≥100MΩ		
Pin contact	CuZn		
Socket contact	CuSn		
Contact plating	Au		

Male panel connector (90°)

Product figure



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



5pins

B



6pins

A



8pins

A



Order data

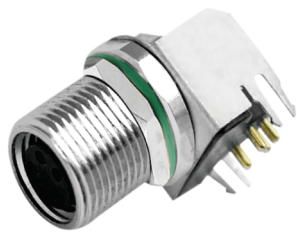
Contacts	Coding	Order No
3pins	A	M08A03/MH7/BN/90
4pins	A	M08A04/MH7/BN/90
5pins	B	M08B05/MH7/BN/90
6pins	A	M08A06/MH7/BN/90
8pins	A	M08A08/MH7/BN/90

Specifications

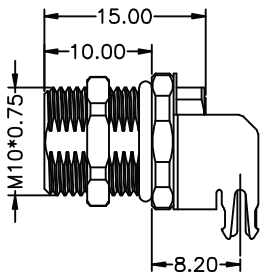
Number of contacts	3	4	5	6	8
Termination	PCB				
Wire gauge	—				
Operating temperature	-25°C ~ +80°C				
Mechanical operation	> 100 mating cycles				
Rated voltage	50V AC / 60V DC			30V	
Rated current (40°C)	3A				1.5A
Protection degree	IP67/IP68				
Contact resistance	< 10mΩ				
Insulation resistance	≥100MΩ				
Pin contact	CuZn				
Socket contact	CuSn				
Contact plating	Au				

Female panel connector (90°)

Product figure



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



5pins

B



6pins

A



8pins

A



Order data

Contacts	Coding	Order No
3pins	A	M08A03/FH8/BN/90
4pins	A	M08A04/FH8/BN/90
5pins	B	M08B05/FH8/BN/90
6pins	A	M08A06/FH8/BN/90
8pins	A	M08A08/FH8/BN/90

Specifications

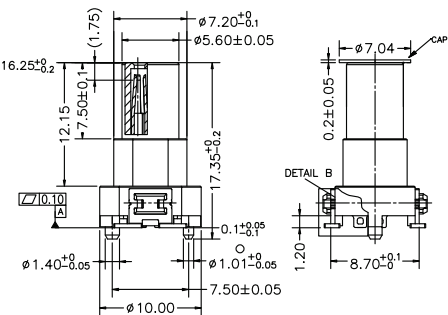
Number of contacts	3	4	5	6	8
Termination	PCB				
Wire gauge	—				
Operating temperature	-25°C ~ +80°C				
Mechanical operation	> 100 mating cycles				
Rated voltage	50V AC / 60V DC		30V		
Rated current (40°C)	3A			1.5A	
Protection degree	IP67/IP68				
Contact resistance	< 10mΩ				
Insulation resistance	≥100MΩ				
Pin contact	CuZn				
Socket contact	CuSn				
Contact plating	Au				

SMT connector

Product figure



Scale diagram



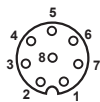
Contact layout (Front view)

4pins

8pins

A

A



Order data

Contacts	Coding	Order No
4pins	A	M08A04/FLP/NA/SM
8pins	A	M08A08/FLP/NA/SM

Specifications

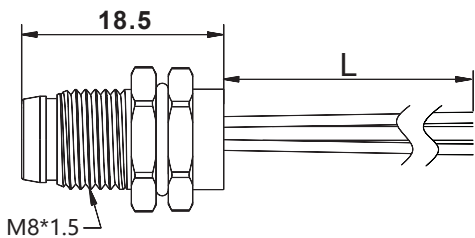
Number of contacts	4	8
Termination	SMT	
Wire gauge	—	
Operating temperature	-25°C ~ +85°C	
Mechanical operation	> 100 mating cycles	
Rated voltage	50V AC / 60V DC	30V
Rated current (40°C)	3A	1.5A
Protection degree	IP67	
Contact resistance	< 10mΩ	
Insulation resistance	≥100MΩ	
Pin contact	CuZn	
Socket contact	CuSn	
Contact plating	Au	

Male panel connector

Product figure(front fastened)



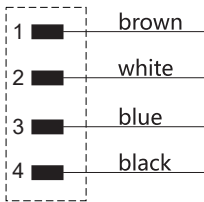
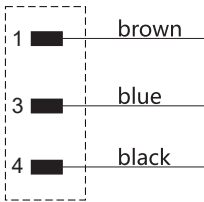
Scale diagram



Contact layout (Front view)



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC	TPE
0.1M	3pins	0.25mm ²	M08A03/MH7/BN/FL/01/0100	M08A03/MH7/BN/FL/11/0100
	4pins	0.25mm ²	M08A04/MH7/BN/FL/01/0100	M08A04/MH7/BN/FL/11/0100
0.2M	3pins	0.25mm ²	M08A03/MH7/BN/FL/01/0200	M08A03/MH7/BN/FL/11/0200
	4pins	0.25mm ²	M08A04/MH7/BN/FL/01/0200	M08A04/MH7/BN/FL/11/0200
0.5M	3pins	0.25mm ²	M08A03/MH7/BN/FL/01/0500	M08A03/MH7/BN/FL/11/0500
	4pins	0.25mm ²	M08A04/MH7/BN/FL/01/0500	M08A04/MH7/BN/FL/11/0500
1.0M	3pins	0.25mm ²	M08A03/MH7/BN/FL/01/1000	M08A03/MH7/BN/FL/11/1000
	4pins	0.25mm ²	M08A04/MH7/BN/FL/01/1000	M08A04/MH7/BN/FL/11/1000

Specification

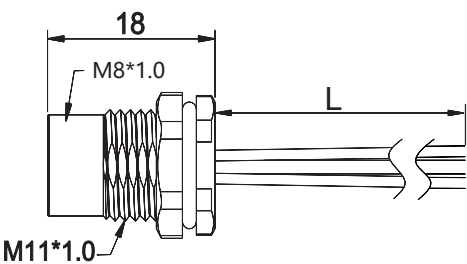
Number of contacts	3	4
Rated voltage	50V AC / 60V DC	
Rated current (40°C)	3A	
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	

Female panel connector

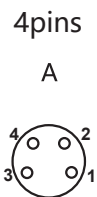
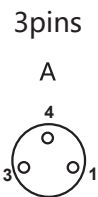
Product figure(front fastened)



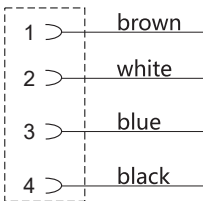
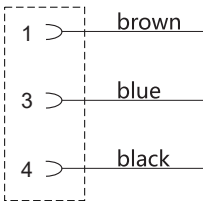
Scale diagram



Contact layout (Front view)



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC	TPE
0.1M	3pins	0.25mm ²	M08A03/FH5/BN/FL/01/0100	M08A03/FH5/BN/FL/11/0100
	4pins	0.25mm ²	M08A04/FH5/BN/FL/01/0100	M08A04/FH5/BN/FL/11/0100
0.2M	3pins	0.25mm ²	M08A03/FH5/BN/FL/01/0200	M08A03/FH5/BN/FL/11/0200
	4pins	0.25mm ²	M08A04/FH5/BN/FL/01/0200	M08A04/FH5/BN/FL/11/0200
0.5M	3pins	0.25mm ²	M08A03/FH5/BN/FL/01/0500	M08A03/FH5/BN/FL/11/0500
	4pins	0.25mm ²	M08A04/FH5/BN/FL/01/0500	M08A04/FH5/BN/FL/11/0500
1.0M	3pins	0.25mm ²	M08A03/FH5/BN/FL/01/1000	M08A03/FH5/BN/FL/11/1000
	4pins	0.25mm ²	M08A04/FH5/BN/FL/01/0100	M08A04/FH5/BN/FL/11/0100

Specificatio

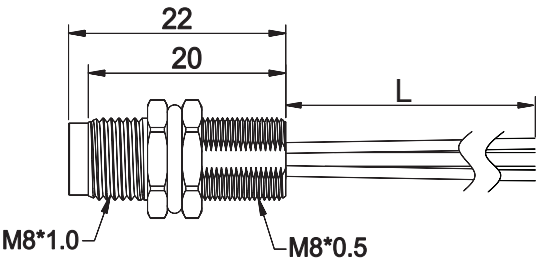
Number of contacts	3	4
Rated voltage	50V AC / 60V DC	
Rated current (40°C)	3A	
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	

Male panel connector

Product figure(rear fastened)



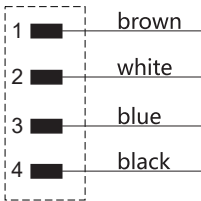
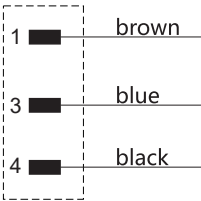
Scale diagram



Contact layout (Front view)



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC	TPE
0.1M	3pins	0.25mm ²	M08A03/MH3/BN/FL/01/0100	M08A03/MH3/BN/FL/11/0100
	4pins	0.25mm ²	M08A04/MH3/BN/FL/01/0100	M08A04/MH3/BN/FL/11/0100
0.2M	3pins	0.25mm ²	M08A03/MH3/BN/FL/01/0200	M08A03/MH3/BN/FL/11/0200
	4pins	0.25mm ²	M08A04/MH3/BN/FL/01/0200	M08A04/MH3/BN/FL/11/0200
0.5M	3pins	0.25mm ²	M08A03/MH3/BN/FL/01/0500	M08A03/MH3/BN/FL/11/0500
	4pins	0.25mm ²	M08A04/MH3/BN/FL/01/0500	M08A04/MH3/BN/FL/11/0500
1.0M	3pins	0.25mm ²	M08A03/MH3/BN/FL/01/1000	M08A03/MH3/BN/FL/11/1000
	4pins	0.25mm ²	M08A04/MH3/BN/FL/01/1000	M08A04/MH3/BN/FL/11/1000

Specification

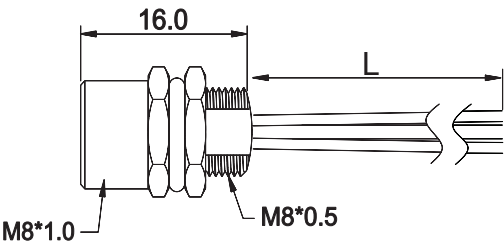
Number of contacts	3	4
Rated voltage	50V AC / 60V DC	
Rated current (40°C)	3A	
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	

Female panel connector

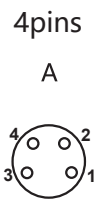
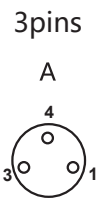
Product figure(rear fastened)



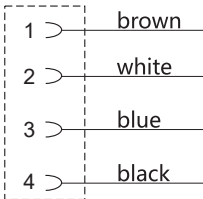
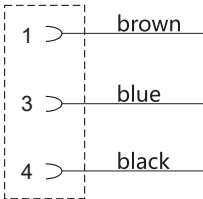
Scale diagram



Contact layout (Front view)



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC	TPE
0.1M	3pins	0.25mm ²	M08A03/FH3/BN/FL/01/0100	M08A03/FH3/BN/FL/11/0100
	4pins	0.25mm ²	M08A04/FH3/BN/FL/01/0100	M08A04/FH3/BN/FL/11/0100
0.2M	3pins	0.25mm ²	M08A03/FH3/BN/FL/01/0200	M08A03/FH3/BN/FL/11/0200
	4pins	0.25mm ²	M08A04/FH3/BN/FL/01/0200	M08A04/FH3/BN/FL/11/0200
0.5M	3pins	0.25mm ²	M08A03/FH3/BN/FL/01/0500	M08A03/FH3/BN/FL/11/0500
	4pins	0.25mm ²	M08A04/FH3/BN/FL/01/0500	M08A04/FH3/BN/FL/11/0500
1.0M	3pins	0.25mm ²	M08A03/FH3/BN/FL/01/1000	M08A03/FH3/BN/FL/11/1000
	4pins	0.25mm ²	M08A04/FH3/BN/FL/01/1000	M08A04/FH3/BN/FL/11/1000

Specification

Number of contacts	3	4
Rated voltage	50V AC / 60V DC	
Rated current (40°C)	3A	
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	

 MENGELKING



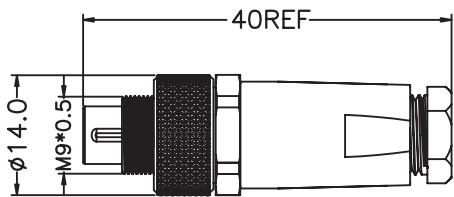
M9 Series
Connectors

Male assembly connector

Product figure



Scale diagram



Contact layout (Front view)

2pins



3pins



4pins



5pins



7pins



8pins



Order data

Contacts	Order No
2pins	M09Z02/MFB/BN/SC
3pins	M09Z03/MFB/BN/SC
4pins	M09Z04/MFB/BN/SC
5pins	M09Z05/MFB/BN/SC
7pins	M09Z07/MFB/BN/SC
8pins	M09Z08/MFB/BN/SC

Specification

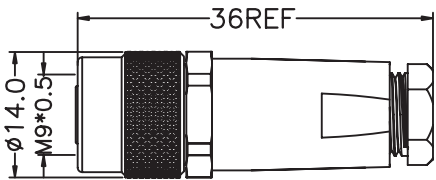
Number of contacts	2	3	4	5	7	8
Termination	solder					
Wire gauge	0.25mm ² / 24 AWG				0.14mm ² / 26 AWG	
Cable OD	3~4.5mm					
Operating temperature	-25°C ~ +85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	125V					
Rated current (40°C)	4A		3A		1A	
Protection degree	IP67/IP68					
Contact resistance	< 3mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Female assembly connector

Product figure



Scale diagram



Contact layout (Front view)

2pins



3pins



4pins



5pins



7pins



8pins



Order data

Contacts	Order No
2pins	M09Z02/FFB/BN/SC
3pins	M09Z03/FFB/BN/SC
4pins	M09Z04/FFB/BN/SC
5pins	M09Z05/FFB/BN/SC
7pins	M09Z07/FFB/BN/SC
8pins	M09Z08/FFB/BN/SC

Specification

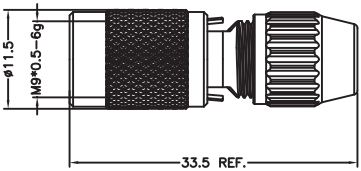
Number of contacts	2	3	4	5	7	8
Termination	solder					
Wire gauge	0.25mm ² / 24 AWG				0.14mm ² / 26 AWG	
Cable OD	3~4.5mm					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	125V					
Rated current (40°C)	4A		3A		1A	
Protection degree	IP67/IP68					
Contact resistance	< 3mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Male assembly connector

Product figure



Scale diagram



Contact layout (Front view)

2pins



3pins



4pins



5pins



7pins



8pins



Order data

Contacts	Order No
2pins	M09Z02/MFB/PA/SC
3pins	M09Z03/MFB/PA/SC
4pins	M09Z04/MFB/PA/SC
5pins	M09Z05/MFB/PA/SC
7pins	M09Z07/MFB/PA/SC
8pins	M09Z08/MFB/PA/SC

Specification

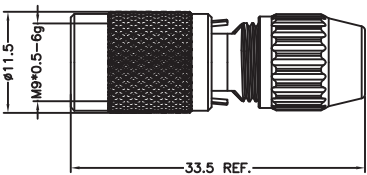
Number of contacts	2	3	4	5	7	8
Termination	solder					
Wire gauge	0.25mm ² / 24 AWG				0.14mm ² / 26 AWG	
Cable OD	3~5mm					
Operating temperature	-25°C ~ +85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	125V					
Rated current (40°C)	4A		3A		1A	
Protection degree	IP67/IP68					
Contact resistance	< 3mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Female assembly connector

Product figure



Scale diagram



Contact layout (Front view)

2pins



3pins



4pins



5pins



7pins



8pins



Order data

Contacts	Order No
2pins	M09Z02/FFB/PA/SC
3pins	M09Z03/FFB/PA/SC
4pins	M09Z04/FFB/PA/SC
5pins	M09Z05/FFB/PA/SC
7pins	M09Z07/FFB/PA/SC
8pins	M09Z08/FFB/PA/SC

Specification

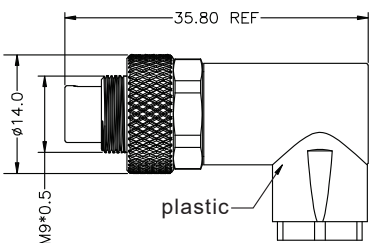
Number of contacts	2	3	4	5	7	8
Termination	solder					
Wire gauge	0.25mm ² / 24 AWG				0.14mm ² / 26 AWG	
Cable OD	3~5mm					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	125V					
Rated current (40°C)	4A		3A		1A	
Protection degree	IP67/IP68					
Contact resistance	< 3mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Male assembly connector

Product figure



Scale diagram



Contact layout (Front view)

2pins



3pins



4pins



5pins



7pins



8pins



Order data

Contacts	Order No
2pins	M09Z02/MFA/BN/SC
3pins	M09Z03/MFA/BN/SC
4pins	M09Z04/MFA/BN/SC
5pins	M09Z05/MFA/BN/SC
7pins	M09Z07/MFA/BN/SC
8pins	M09Z08/MFA/BN/SC

Specification

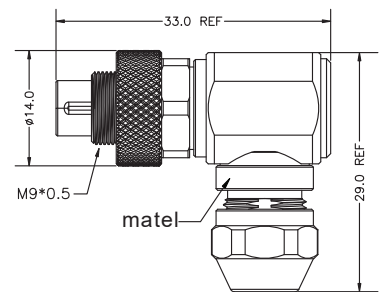
Number of contacts	2	3	4	5	7	8
Termination	solder					
Wire gauge	0.25mm ² / 24 AWG				0.14mm ² / 26 AWG	
Cable OD	3~4.5mm					
Operating temperature	-25°C ~ +85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	125V					
Rated current (40°C)	4A		3A		1A	
Protection degree	IP67/IP68					
Contact resistance	< 3mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Male assembly connector

Product figure



Scale diagram



Contact layout (Front view)

2pins



3pins



4pins



5pins



7pins



8pins



Order data

Contacts	Order No
2pins	M09Z02/FFA/BN/SC
3pins	M09Z03/FFA/BN/SC
4pins	M09Z04/FFA/BN/SC
5pins	M09Z05/FFA/BN/SC
7pins	M09Z07/FFA/BN/SC
8pins	M09Z08/FFA/BN/SC

Specification

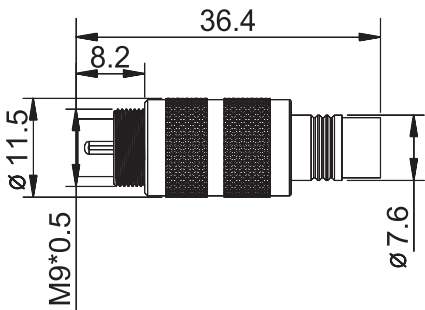
Number of contacts	2	3	4	5	7	8
Termination	solder					
Wire gauge	0.25mm ² / 24 AWG				0.14mm ² / 26 AWG	
Cable OD	3~4.5mm					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	125V					
Rated current (40°C)	4A		3A		1A	
Protection degree	IP67/IP68					
Contact resistance	< 3mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Male connector for molding

Product figure



Scale diagram



Contact layout (Front view)

2pins



3pins



4pins



5pins



7pins



8pins



Order data

Contacts	Order No
2pins	M09Z02/MB2/BN/SC
3pins	M09Z03/MB2/BN/SC
4pins	M09Z04/MB2/BN/SC
5pins	M09Z05/MB2/BN/SC
7pins	M09Z07/MB2/BN/SC
8pins	M09Z08/MB2/BN/SC

Specification

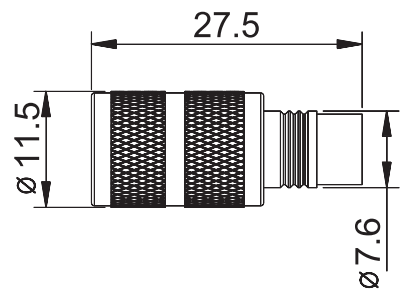
Number of contacts	2	3	4	5	7	8
Termination	solder					
Wire gauge	0.25mm ² / 24 AWG				0.14mm ² / 26 AWG	
Operating temperature	-25°C ~ +85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	125V					
Rated current (40°C)	4A		3A		1A	
Protection degree	IP67/IP68					
Contact resistance	< 3mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Female connector for molding

Product figure



Scale diagram



Contact layout (Front view)

2pins



3pins



4pins



5pins



7pins



8pins



Order data

Contacts	Order No
2pins	M09Z02/FB2/BN/SC
3pins	M09Z03/FB2/BN/SC
4pins	M09Z04/FB2/BN/SC
5pins	M09Z05/FB2/BN/SC
7pins	M09Z07/FB2/BN/SC
8pins	M09Z08/FB2/BN/SC

Specification

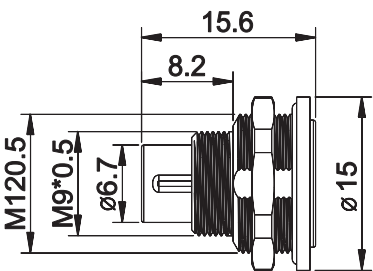
Number of contacts	2	3	4	5	7	8
Termination	solder					
Wire gauge	0.25mm ² / 24 AWG				0.14mm ² / 26 AWG	
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	125V					
Rated current (40°C)	4A		3A		1A	
Protection degree	IP67/IP68					
Contact resistance	< 3mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Male panel connector

Product figure (front fastened)



Scale diagram



Contact layout (Front view)

2pins



3pins



4pins



5pins



7pins



8pins



Order data

Contacts	Order No
2pins	M09Z02/MG6/BN/SC
3pins	M09Z03/MG6/BN/SC
4pins	M09Z04/MG6/BN/SC
5pins	M09Z05/MG6/BN/SC
7pins	M09Z07/MG6/BN/SC
8pins	M09Z08/MG6/BN/SC

Specification

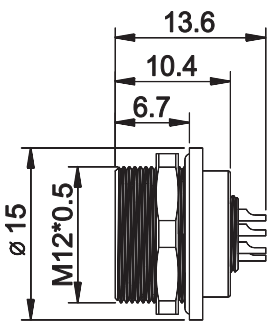
Number of contacts	2	3	4	5	7	8
Termination	solder					
Wire gauge	0.25mm ² / 24 AWG				0.14mm ² / 26 AWG	
Operating temperature	-25°C ~ +85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	125V					
Rated current (40°C)	4A		3A		1A	
Protection degree	IP67/IP68					
Contact resistance	< 3mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Female panel connector

Product figure (front fastened)



Scale diagram



Contact layout (Front view)

2pins



3pins



4pins



5pins



7pins



8pins



Order data

Contacts	Order No
2pins	M09Z02/FG6/BN/SC
3pins	M09Z03/FG6/BN/SC
4pins	M09Z04/FG6/BN/SC
5pins	M09Z05/FG6/BN/SC
7pins	M09Z07/FG6/BN/SC
8pins	M09Z08/FG6/BN/SC

Specification

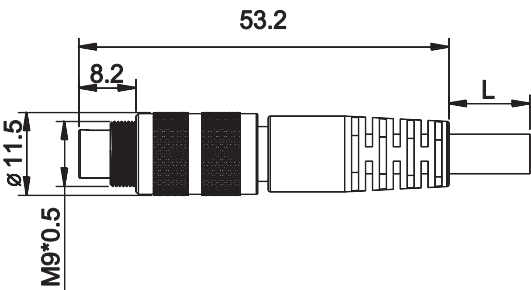
Number of contacts	2	3	4	5	7	8
Termination	solder					
Wire gauge	0.25mm ² / 24 AWG				0.14mm ² / 26 AWG	
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	125V					
Rated current (40°C)	4A		3A		1A	
Protection degree	IP67/IP68					
Contact resistance	< 3mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Male cable moulded

Product figure



Scale diagram



Contact layout (Front view)

2pins



3pins



4pins



5pins



7pins



8pins



Order data

Contacts	Order No
2pins	M09Z02/MA3/BN/OE
3pins	M09Z03/MA3/BN/OE
4pins	M09Z04/MA3/BN/OE
5pins	M09Z05/MA3/BN/OE
7pins	M09Z07/MA3/BN/OE
8pins	M09Z08/MA3/BN/OE

Specification

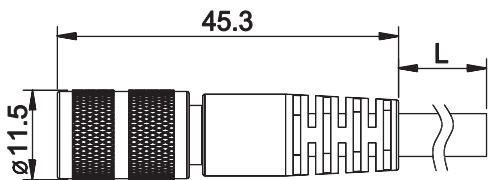
Number of contacts	2	3	4	5	7	8
Termination	moulded on cable					
Wire gauge	0.25mm ² / 24 AWG				0.14mm ² / 26 AWG	
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	125V					
Rated current (40°C)	4A		3A		1A	
Protection degree	IP67/IP68					
Contact resistance	< 3mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Female cable moulded

Product figure



Scale diagram



Contact layout (Front view)

2pins



3pins



4pins



5pins



7pins



8pins



Order data

Contacts	Order No
2pins	M09Z02/FA3/BN/OE
3pins	M09Z03/FA3/BN/OE
4pins	M09Z04/FA3/BN/OE
5pins	M09Z05/FA3/BN/OE
7pins	M09Z07/FA3/BN/OE
8pins	M09Z08/FA3/BN/OE

Specification

Number of contacts	2	3	4	5	7	8
Termination	moulded on cable					
Wire gauge	0.25mm ² / 24 AWG				0.14mm ² / 26 AWG	
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	125V					
Rated current (40°C)	4A		3A		1A	
Protection degree	IP67/IP68					
Contact resistance	< 3mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

 MENGELKING



M12 Series

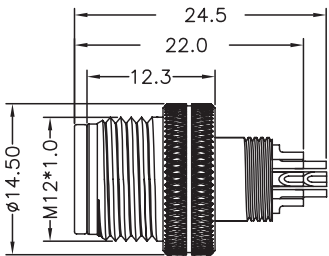
Connectors for
Overmoulding

Male connector for over-molding

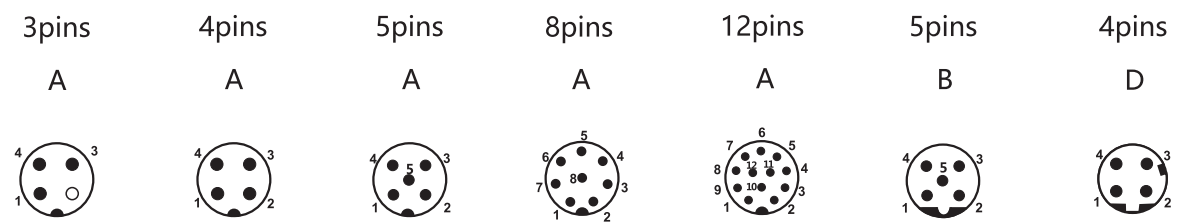
Product figure



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/MB2/BN/SC
3pins	A	M12A03/MB2/BN/SC
4pins	A	M12A04/MB2/BN/SC
	D	M12D04/MB2/BN/SC
5pins	A	M12A05/MB2/BN/SC
	B	M12B05/MB2/BN/SC
8pins	A	M12A08/MB2/BN/SC
12pins	A	M12A12/MB2/BN/SC

Specifications

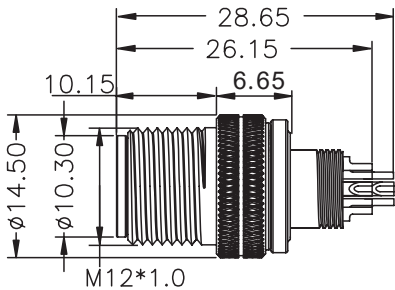
Number of contacts	3	4	5	8	12
Termination	solder				
Wire gauge	0.14/0.25/0.34/0.5mm² / (26/24/22/20 AWG)				
Operating temperature	-25°C~+85°C				
Mechanical operation	> 100 mating cycles				
Rated voltage	250V		60V	30V	
Rated current (40°C)	4A			2A	1.5A
Protection degree	IP67/IP68				
Contact resistance	< 10mΩ				
Insulation resistance	≥100MΩ				
Pin contact	CuZn				
Socket contact	CuSn				
Contact plating	Au				

Male connector for over-molding

Product figure



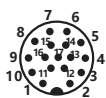
Scale diagram



Contact layout (Front view)

17pins

A

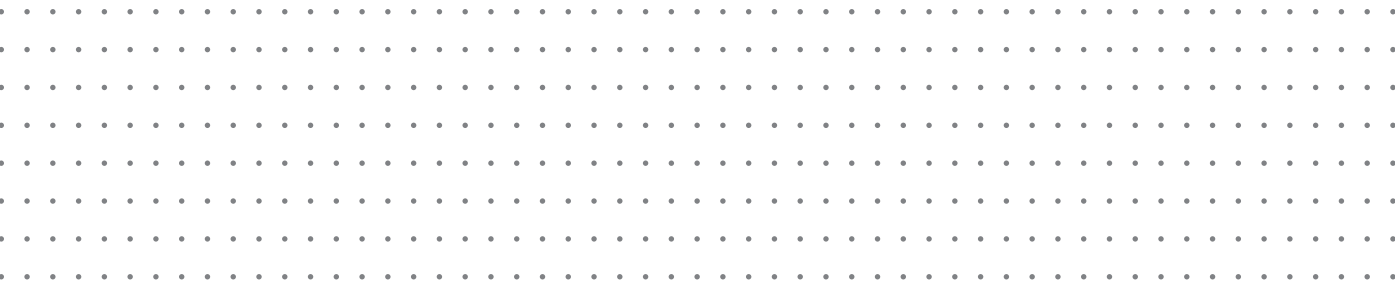


Order Data

Contacts	Coding	Order No
17pins	A	M12A17/MB2/BN/SC

Specifications

Number of contacts	17
Termination	solder
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)
Operating temperature	-25°C ~ +85°C
Mechanical operation	> 100 mating cycles
Rated voltage	30V
Rated current (40°C)	1.5A
Protection degree	IP67/IP68
Contact resistance	< 10mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

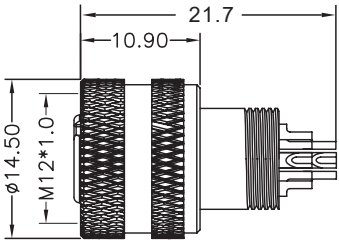


Female connector for over-molding

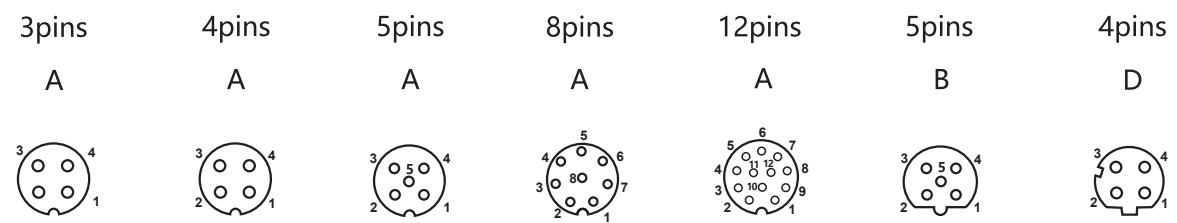
Product figure



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/FB2/BN/SC
3pins	A	M12A03/FB2/BN/SC
4pins	A	M12A04/FB2/BN/SC
	D	M12D04/FB2/BN/SC
5pins	A	M12A05/FB2/BN/SC
	B	M12B05/FB2/BN/SC
8pins	A	M12A08/FB2/BN/SC
12pins	A	M12A12/FB2/BN/SC

Specifications

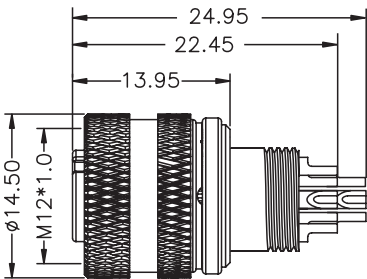
Number of contacts	3	4	5	8	12
Termination	solder				
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)				
Operating temperature	-25°C~+85°C				
Mechanical operation	> 100 mating cycles				
Rated voltage	250V		60V	30V	
Rated current (40°C)	4A			2A	1.5A
Protection degree	IP67/IP68				
Contact resistance	< 10mΩ				
Insulation resistance	≥100MΩ				
Pin contact	CuZn				
Socket contact	CuSn				
Contact plating	Au				

Female connector for over-molding

Product figure



Scale diagram



Contact layout (Front view)

17pins

A

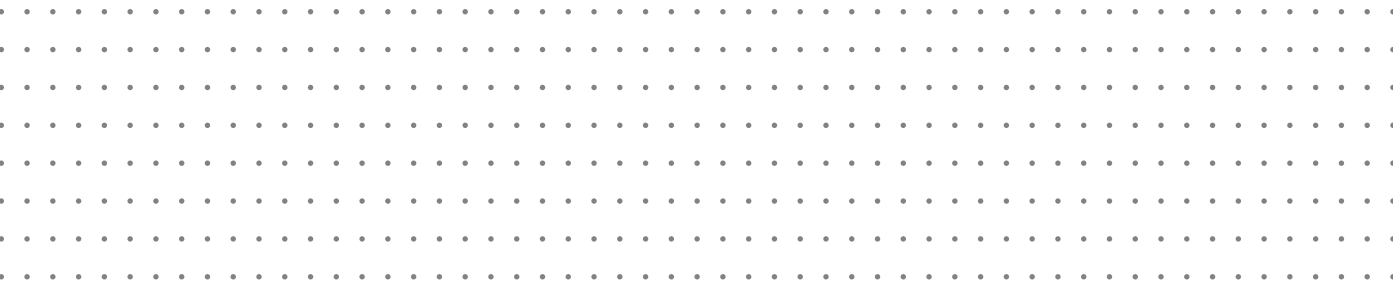


Order Data

Contacts	Coding	Order No
17pins	A	M12A17/FB2/BN/SC

Specifications

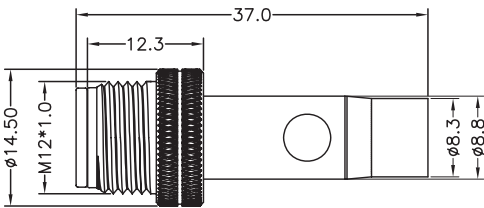
Number of contacts	17
Termination	solder
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)
Operating temperature	-25°C ~ +85°C
Mechanical operation	> 100 mating cycles
Rated voltage	30V
Rated current (40°C)	1.5A
Protection degree	IP67/IP68
Contact resistance	< 10mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au



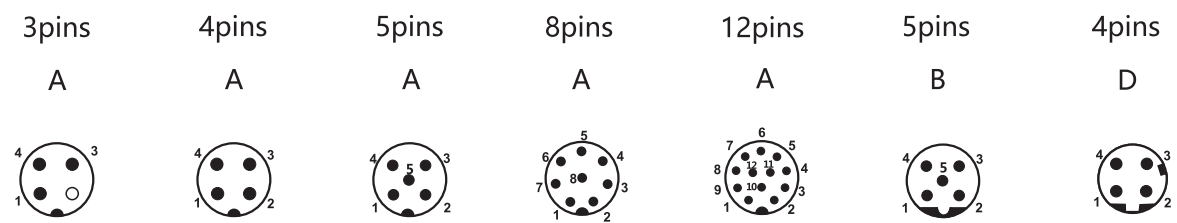
Male connector for over-molding

Product figure (with shield)

Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/MB3/BN/SC
3pins	A	M12A03/MB3/BN/SC
4pins	A	M12A04/MB3/BN/SC
	D	M12D04/MB3/BN/SC
5pins	A	M12A05/MB3/BN/SC
	B	M12B05/MB3/BN/SC
8pins	A	M12A08/MB3/BN/SC
12pins	A	M12A12/MB3/BN/SC

Specifications

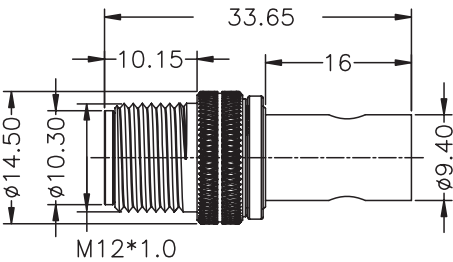
Number of contacts	3	4	5	8	12
Termination	solder				
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)				
Operating temperature	-25°C~+85°C				
Mechanical operation	> 100 mating cycles				
Rated voltage	250V		60V	30V	
Rated current (40°C)	4A			2A	1.5A
Protection degree	IP67/IP68				
Contact resistance	< 10mΩ				
Insulation resistance	≥100MΩ				
Pin contact	CuZn				
Socket contact	CuSn				
Contact plating	Au				

Male connector for over-molding

Product figure (with shield)



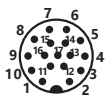
Scale diagram



Contact layout (Front view)

17pins

A

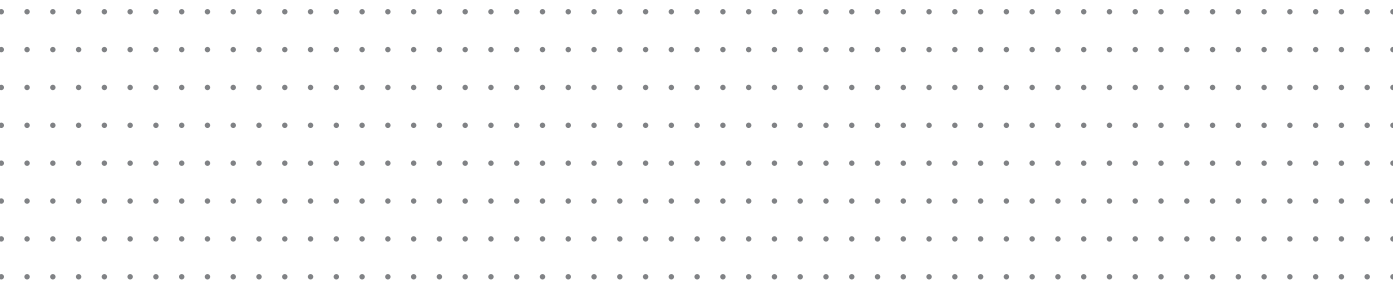


Order Data

Contacts	Coding	Order No
17pins	A	M12A17/MB3/BN/SC

Specifications

Number of contacts	17
Termination	solder
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)
Operating temperature	-25°C ~ +85°C
Mechanical operation	> 100 mating cycles
Rated voltage	30V
Rated current (40°C)	1.5A
Protection degree	IP67/IP68
Contact resistance	< 10mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

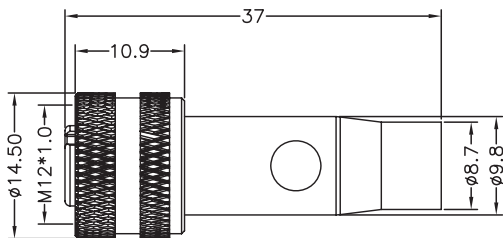


Female connector for over-molding

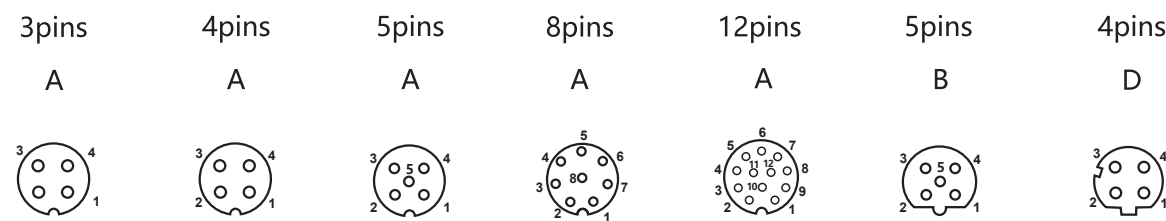
Product figure (with shield)



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/FB3/BN/SC
3pins	A	M12A03/FB3/BN/SC
4pins	A	M12A04/FB3/BN/SC
	D	M12D04/FB3/BN/SC
5pins	A	M12A05/FB3/BN/SC
	B	M12B05/FB3/BN/SC
8pins	A	M12A08/FB3/BN/SC
12pins	A	M12A12/FB3/BN/SC

Specifications

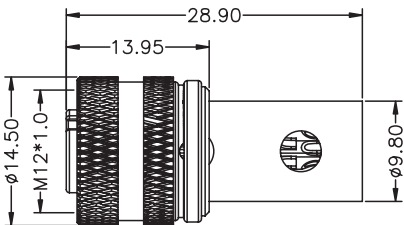
Number of contacts	3	4	5	8	12
Termination	solder				
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)				
Operating temperature	-25°C~+85°C				
Mechanical operation	> 100 mating cycles				
Rated voltage	250V		60V	30V	
Rated current (40°C)	4A			2A	1.5A
Protection degree	IP67/IP68				
Contact resistance	< 10mΩ				
Insulation resistance	≥100MΩ				
Pin contact	CuZn				
Socket contact	CuSn				
Contact plating	Au				

Female connector for over-molding

Product figure (with shield)



Scale diagram



Contact layout (Front view)

17pins

A

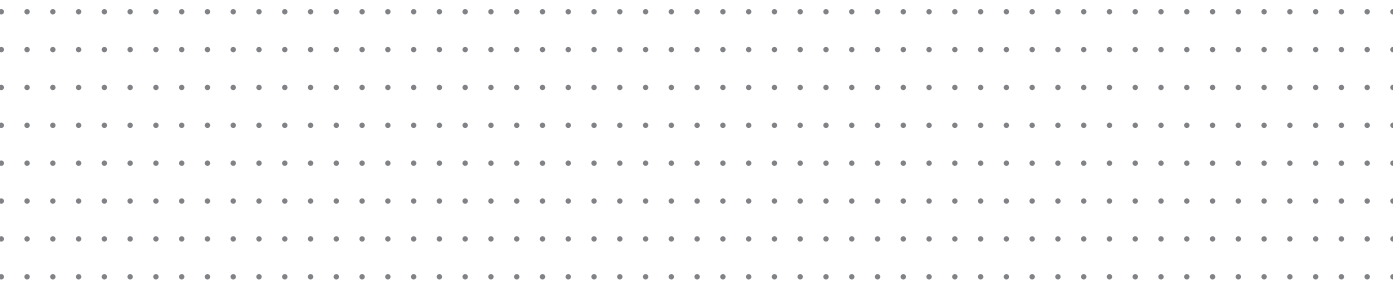


Order Data

Contacts	Coding	Order No
17pins	A	M12A17/FB3/BN/SC

Specifications

Number of contacts	17
Termination	solder
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)
Operating temperature	-25°C ~ +85°C
Mechanical operation	> 100 mating cycles
Rated voltage	30V
Rated current (40°C)	1.5A
Protection degree	IP67/IP68
Contact resistance	< 10mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

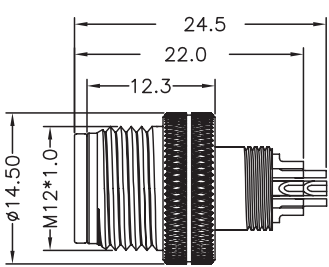


Male connector for over-molding

Product figure



Scale diagram



Contact layout (Front view)

3pins

C



4pins

C



5pins

C



6pins

C



Order Data

Contacts	Coding	Order No
3pins	C	M12C03/MB2/BN/SC
4pins	C	M12C04/MB2/BN/SC
5pins	C	M12C05/MB2/BN/SC
6pins	C	M12C06/MB2/BN/SC

Specifications

Number of contacts	3	4	5	6
Termination	solder			
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)			
Operating temperature	-25°C~+85°C			
Mechanical operation	> 100 mating cycles			
Rated voltage	250V		60V	30V
Rated current (40°C)	4A		2A	
Protection degree	IP67			
Contact resistance	< 10mΩ			
Insulation resistance	≥100MΩ			
Pin contact	CuZn			
Socket contact	CuSn			
Contact plating	Au			

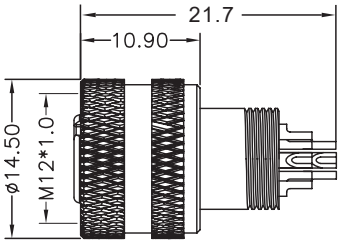


Female connector for over-molding

Product figure



Scale diagram



Contact layout (Front view)

3pins

C



4pins

C



5pins

C



6pins

C



Order Data

Contacts	Coding	Order No
3pins	C	M12C03/FB2/BN/SC
4pins	C	M12C04/FB2/BN/SC
5pins	C	M12C05/FB2/BN/SC
6pins	C	M12C06/FB2/BN/SC

Specifications

Number of contacts	3	4	5	6
Termination	solder			
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)			
Operating temperature	-25°C~+85°C			
Mechanical operation	> 100 mating cycles			
Rated voltage	250V		60V	30V
Rated current (40°C)	4A		2A	
Protection degree	IP67			
Contact resistance	< 10mΩ			
Insulation resistance	≥100MΩ			
Pin contact	CuZn			
Socket contact	CuSn			
Contact plating	Au			

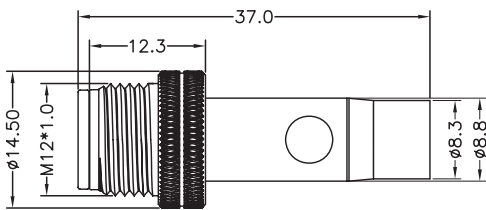


Male connector for over-molding

Product figure (with shield)



Scale diagram



Contact layout (Front view)

3pins

C



4pins

C



5pins

C



6pins

C



Order Data

Contacts	Coding	Order No
3pins	C	M12C03/MB3/BN/SC
4pins	C	M12C04/MB3/BN/SC
5pins	C	M12C05/MB3/BN/SC
6pins	C	M12C06/MB3/BN/SC

Specifications

Number of contacts	3	4	5	6
Termination	solder			
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)			
Operating temperature	-25°C~+85°C			
Mechanical operation	> 100 mating cycles			
Rated voltage	250V		60V	30V
Rated current (40°C)	4A		2A	
Protection degree	IP67			
Contact resistance	< 10mΩ			
Insulation resistance	≥100MΩ			
Pin contact	CuZn			
Socket contact	CuSn			
Contact plating	Au			

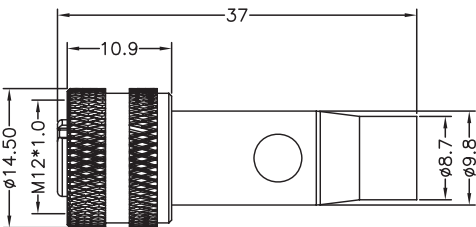


Female connector for over-molding

Product figure (with shield)



Scale diagram



Contact layout (Front view)

3pins



4pins



5pins



6pins



Order Data

Contacts	Coding	Order No
3pins	C	M12C03/FB3/BN/SC
4pins	C	M12C04/FB3/BN/SC
5pins	C	M12C05/FB3/BN/SC
6pins	C	M12C06/FB3/BN/SC

Specifications

Number of contactS	3	4	5	6
Termination	solder			
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)			
Operating temperature	-25°C~+85°C			
Mechanical operation	> 100 mating cycles			
Rated voltage	250V		60V	30V
Rated current (40°C)	4A		2A	
Protection degree	IP67			
Contact resistance	< 10mΩ			
Insulation resistance	≥100MΩ			
Pin contact	CuZn			
Socket contact	CuSn			
Contact plating	Au			

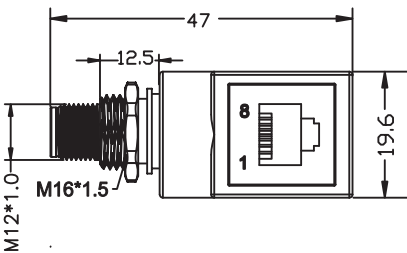


M12 Male to RJ45 Adapter (90°)

Product figure



Scale diagram



Contact layout (Front view)

8pins

A



4pins

D



RJ45

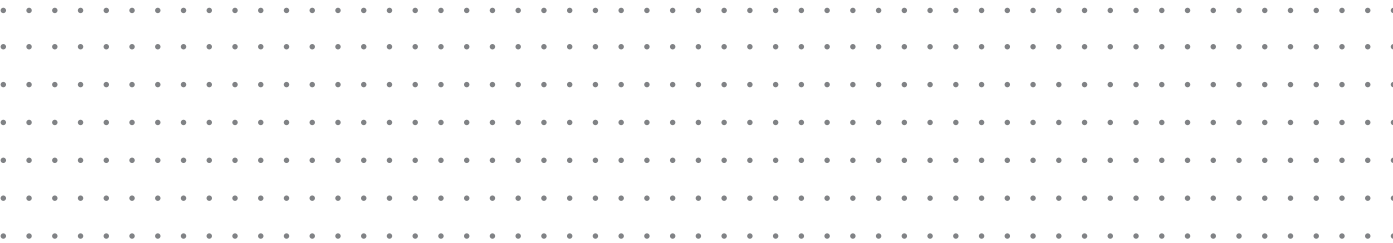


Order Data

Contacts	Coding	Order No
4pins	D	M12D04/MX1/BN/R1
8pins	A	M12A08/MX1/BN/R1

Specifications

Number of contacts	4	8
Termination	—	
Wire gauge	—	
Operating temperature	-25°C ~ +85°C	
Mechanical operation	> 100 mating cycles	
Rated voltage	250V	30V
Rated current (40°C)	4A	2A
Protection degree	IP67	
Contact resistance	< 10mΩ	
Insulation resistance	≥100MΩ	
Pin contact	CuZn	
Socket contact	CuSn	
Contact plating	Au	

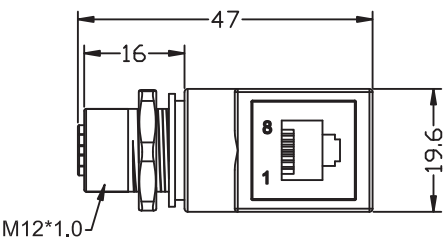


M12 Female to RJ45 Adapter (90°)

Product figure



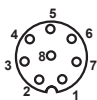
Scale diagram



Contact layout (Front view)

8pins

A



4pins

D



RJ45

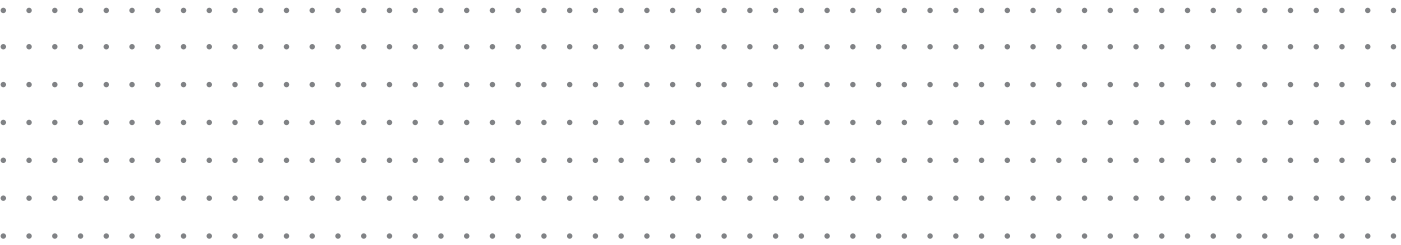


Order Data

Contacts	Coding	Order No
4pins	D	M12D04/FX1/BN/R1
8pins	A	M12A08/FX1/BN/R1

Specifications

Number of contacts	4	8
Termination	—	
Wire gauge	—	
Operating temperature	-25°C ~ +85°C	
Mechanical operation	> 100 mating cycles	
Rated voltage	250V	30V
Rated current (40°C)	4A	2A
Protection degree	IP67	
Contact resistance	< 10mΩ	
Insulation resistance	≥100MΩ	
Pin contact	CuZn	
Socket contact	CuSn	
Contact plating	Au	

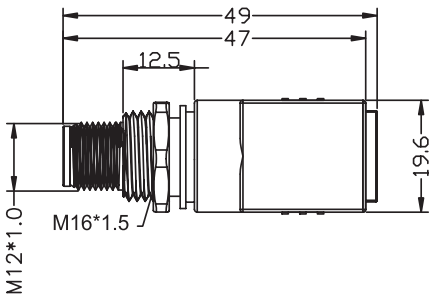


M12 Male to RJ45 Adapter (180°)

Product figure



Scale diagram



Contact layout (Front view)

8pins

A



4pins

D



RJ45

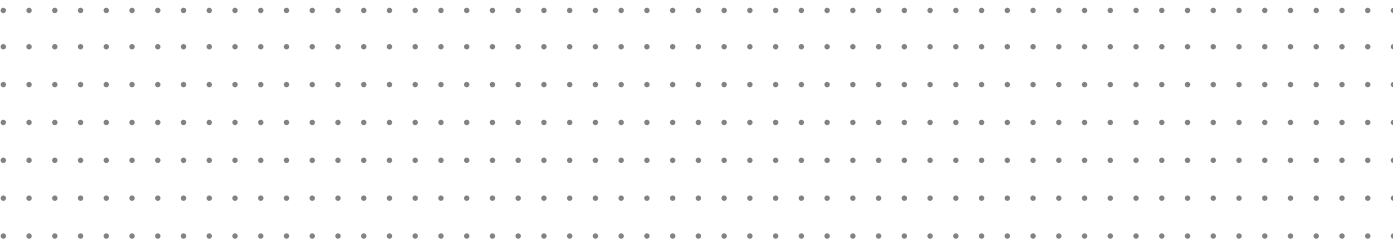


Order Data

Contacts	Coding	Order No
4pins	D	M12D04/MX1/BN/R2
8pins	A	M12A08/MX1/BN/R2

Specifications

Number of contacts	4	8
Termination	—	
Wire gauge	—	
Operating temperature	-25°C ~ +85°C	
Mechanical operation	> 100 mating cycles	
Rated voltage	250V	30V
Rated current (40°C)	4A	2A
Protection degree	IP67	
Contact resistance	< 10mΩ	
Insulation resistance	≥100MΩ	
Pin contact	CuZn	
Socket contact	CuSn	
Contact plating	Au	

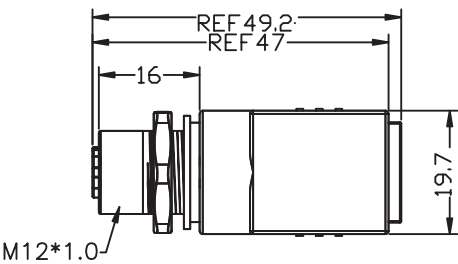


M12 Female to RJ45 Adapter (180°)

Product figure



Scale diagram



Contact layout (Front view)

8pins

A



4pins

D



RJ45

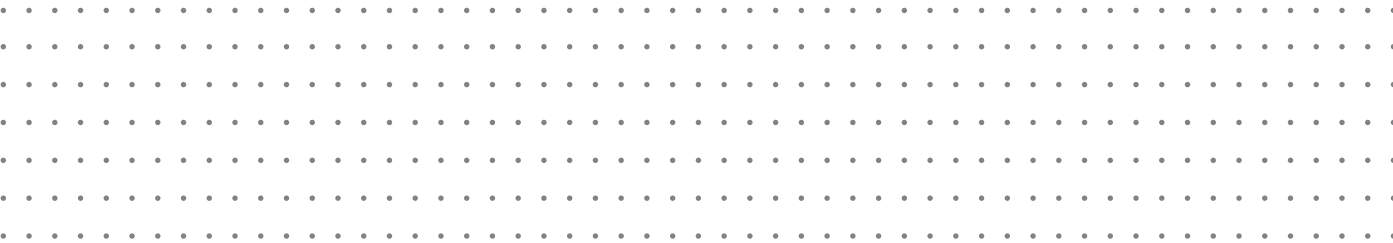


Order Data

Contacts	Coding	Order No
4pins	D	M12D04/FX1/BN/R2
8pins	A	M12A08/FX1/BN/R2

Specifications

Number of contacts	4	8
Termination	—	
Wire gauge	—	
Operating temperature	-25°C ~ +85°C	
Mechanical operation	> 100 mating cycles	
Rated voltage	250V	30V
Rated current (40°C)	4A	2A
Protection degree	IP67	
Contact resistance	< 10mΩ	
Insulation resistance	≥100MΩ	
Pin contact	CuZn	
Socket contact	CuSn	
Contact plating	Au	

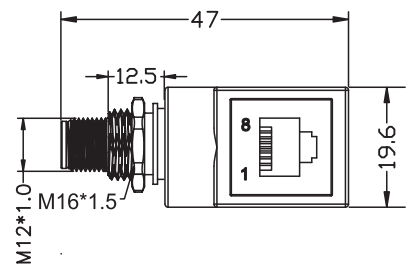


M12 Male to RJ45 Adapter (90°)

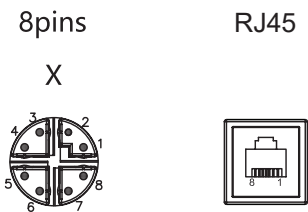
Product figure



Scale diagram



Contact layout (Front view)

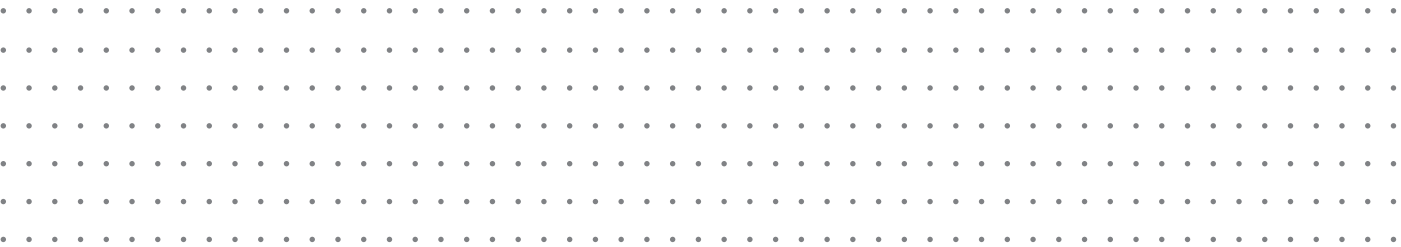


Order Data

Contacts	Coding	Order No
8pins	X	M12X08/MX1/BN/R1

Specifications

Number of contacts	8
Termination	—
Wire gauge	—
Operating temperature	-40°C ~ +85°C
Mechanical operation	> 100 mating cycles
Rated voltage	50V AC / 60V DC
Rated current (40°C)	0.5A
Protection degree	IP67/IP68
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

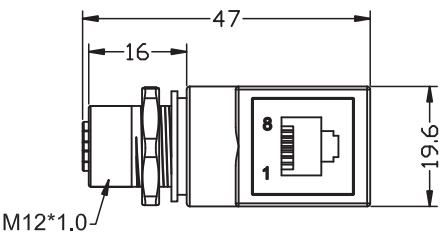


M12 Female to RJ45 Adapter (90°)

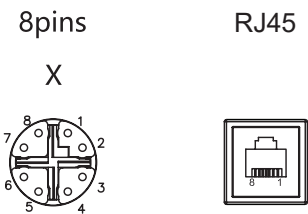
Product figure



Scale diagram



Contact layout (Front view)

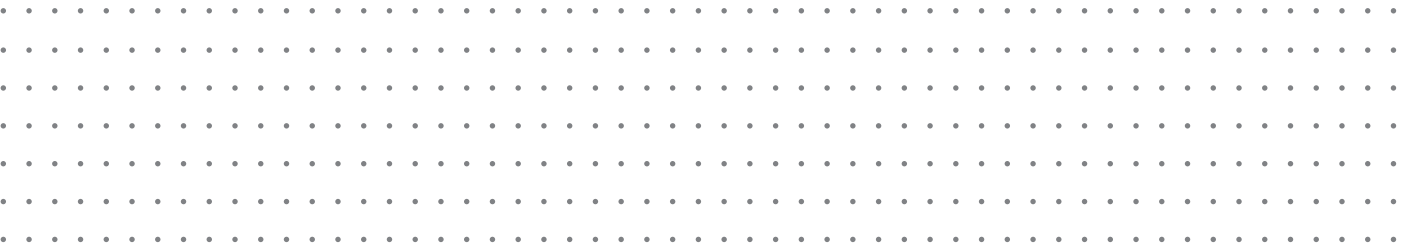


Order Data

Contacts	Coding	Order No
8pins	X	M12X08/FX1/BN/R1

Specifications

Number of contacts	8
Termination	—
Wire gauge	—
Operating temperature	-40°C ~ +85°C
Mechanical operation	> 100 mating cycles
Rated voltage	50V AC / 60V DC
Rated current (40°C)	0.5A
Protection degree	IP67/IP68
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

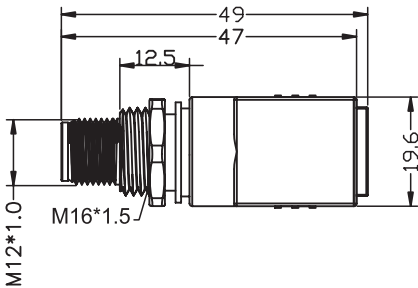


M12 Male to RJ45 Adapter (180°)

Product figure



Scale diagram



Contact layout (Front view)

8pins

RJ45

X

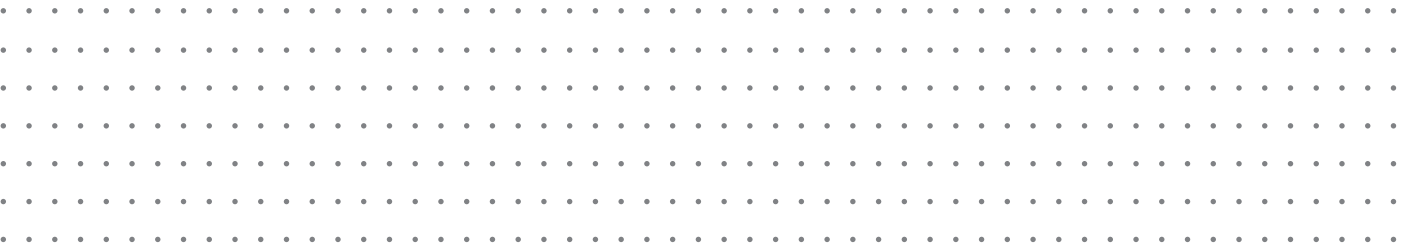


Order Data

Contacts	Coding	Order No
8pins	X	M12X08/MX1/BN/R2

Specifications

Number of contacts	8
Termination	—
Wire gauge	—
Operating temperature	-40°C ~ +85°C
Mechanical operation	> 100 mating cycles
Rated voltage	50V AC / 60V DC
Rated current (40°C)	0.5A
Protection degree	IP67/IP68
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

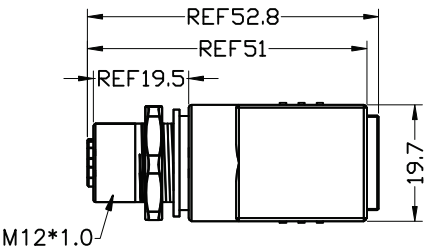


M12 Female to RJ45 Adapter (180°)

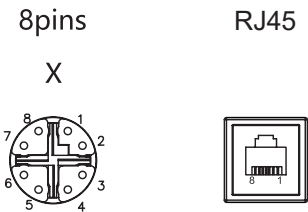
Product figure



Scale diagram



Contact layout (Front view)

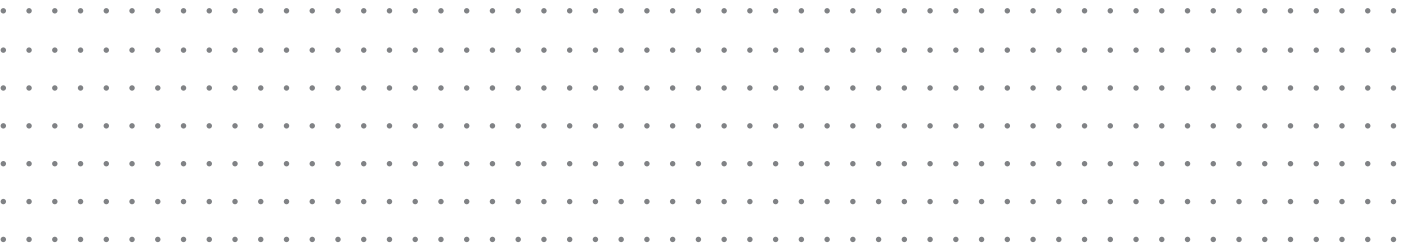


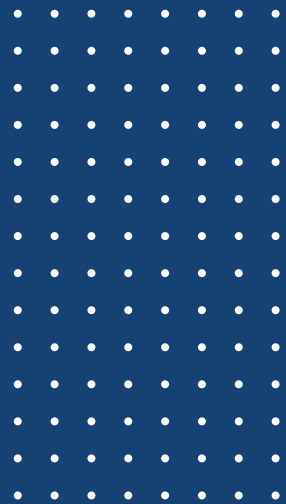
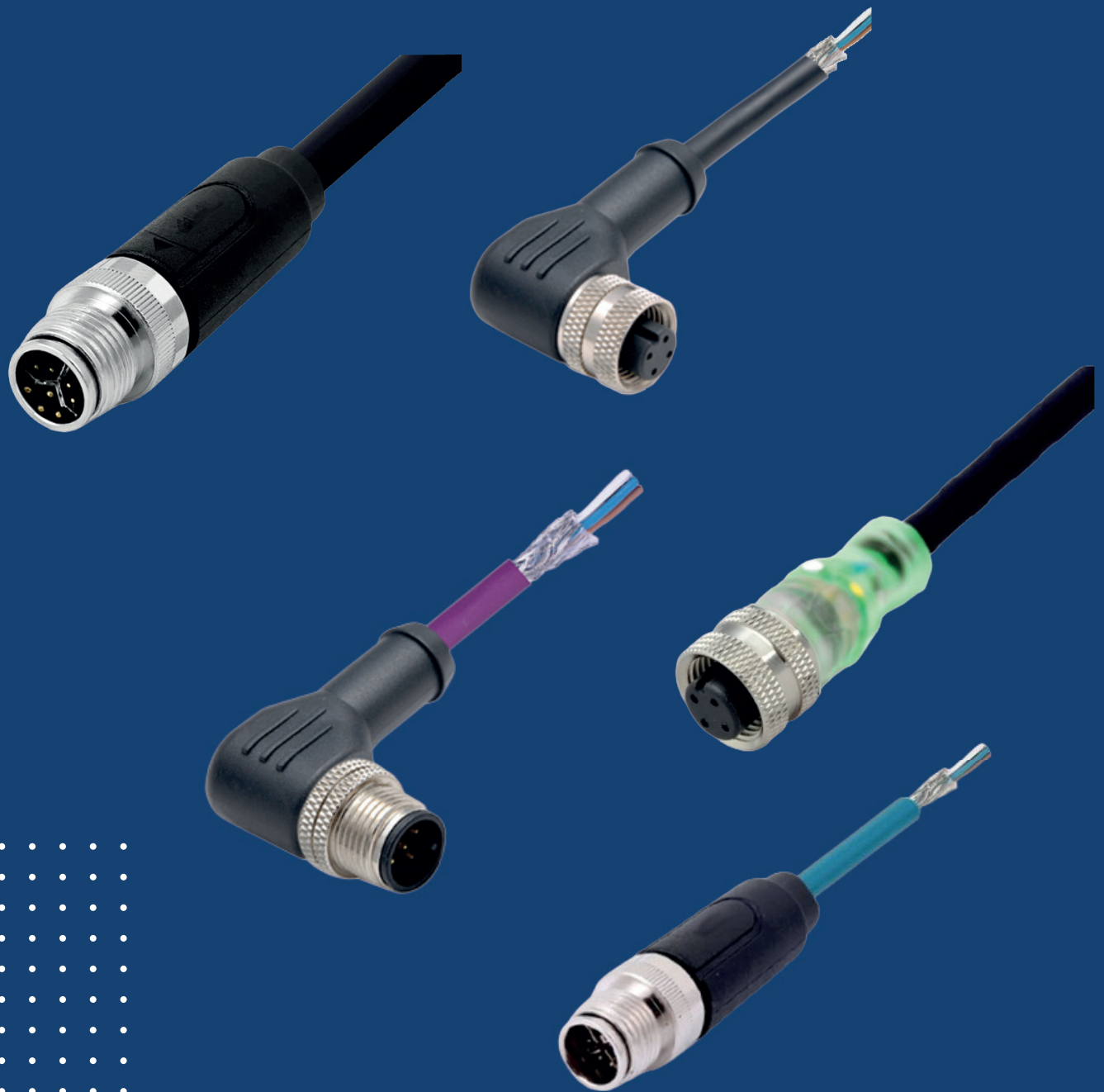
Order Data

Contacts	Coding	Order No
8pins	X	M12X08/FX1/BN/R2

Specifications

Number of contacts	8
Termination	—
Wire gauge	—
Operating temperature	-40°C ~ +85°C
Mechanical operation	> 100 mating cycles
Rated voltage	50V AC / 60V DC
Rated current (40°C)	0.5A
Protection degree	IP67/IP68
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au





M12 Series

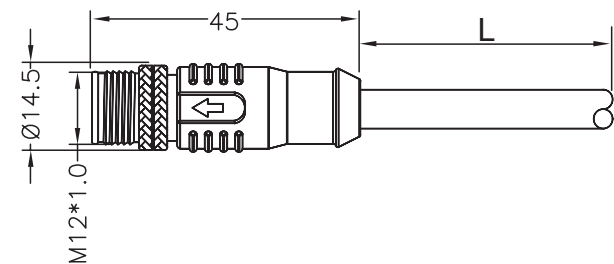
Overmoulded Connectors

Male cable

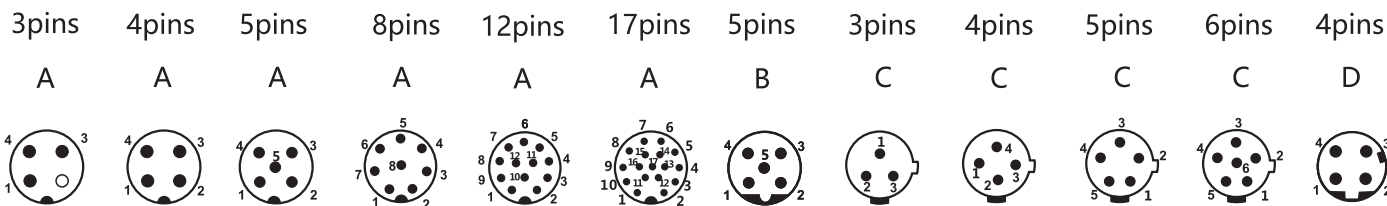
Product figure



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
3pins	A	M12A03/MA3/BN/OE
	C	M12C03/MA3/BN/OE
4pins	A	M12A04/MA3/BN/OE
	C	M12C04/MA3/BN/OE
	D	M12D04/MA3/BN/OE
5pins	A	M12A05/MA3/BN/OE
	B	M12B05/MA3/BN/OE
	C	M12C05/MA3/BN/OE
6pins	C	M12C06/MA3/BN/OE
8pins	A	M12A08/MA3/BN/OE
12pins	A	M12A12/MA3/BN/OE
17pins	A	M12A17/MA3/BN/OE

Specifications

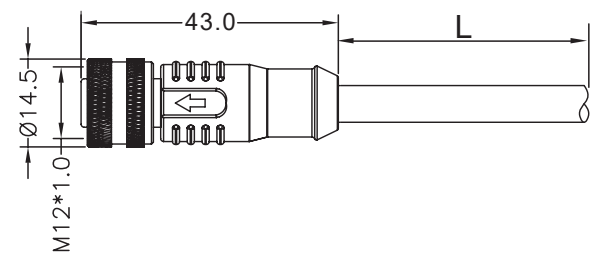
Number of contacts	3	4	5	8	12	17
Termination	moulded on cable					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C~+80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Female cable

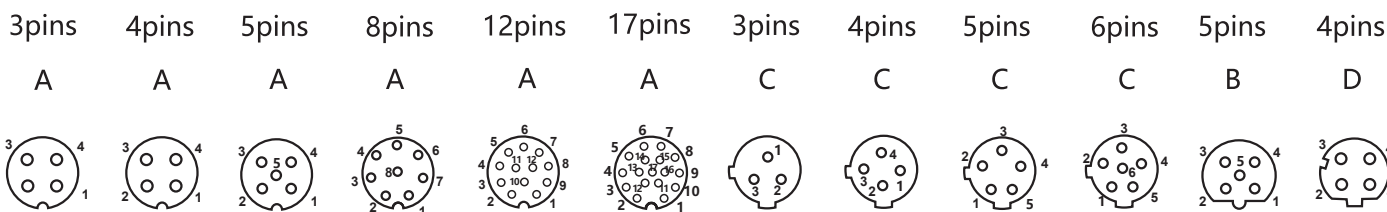
Product figure



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
3pins	A	M12A03/FA3/BN/OE
	C	M12C03/FA3/BN/OE
4pins	A	M12A04/FA3/BN/OE
	C	M12C04/FA3/BN/OE
	D	M12D04/FA3/BN/OE
5pins	A	M12A05/FA3/BN/OE
	B	M12B05/FA3/BN/OE
	C	M12C05/FA3/BN/OE
6pins	C	M12C06/FA3/BN/OE
8pins	A	M12A08/FA3/BN/OE
12pins	A	M12A12/FA3/BN/OE
17pins	A	M12A17/FA3/BN/OE

Specifications

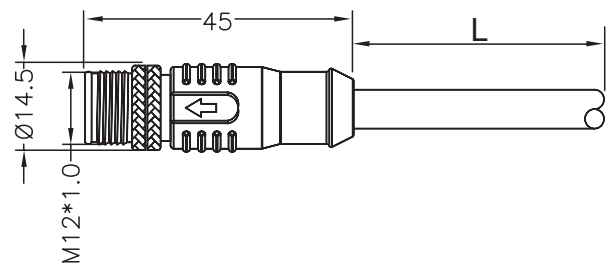
Number of contacts	3	4	5	8	12	17
Termination	moulded on cable					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C~+80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Male cable (with shield)

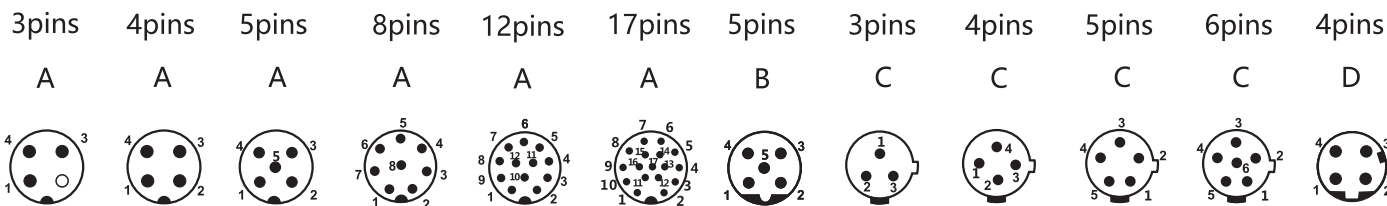
Product figure



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
3pins	A	M12A03/MB4/BN/OE
	C	M12C03/MB4/BN/OE
4pins	A	M12A04/MB4/BN/OE
	C	M12C04/MB4/BN/OE
	D	M12D04/MB4/BN/OE
5pins	A	M12A05/MB4/BN/OE
	B	M12B05/MB4/BN/OE
	C	M12C05/MB4/BN/OE
6pins	C	M12C06/MB4/BN/OE
8pins	A	M12A08/MB4/BN/OE
12pins	A	M12A12/MB4/BN/OE
17pins	A	M12A17/MB4/BN/OE

Specifications

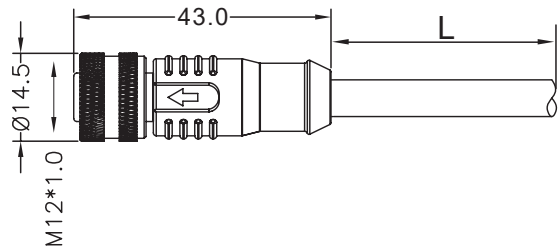
Number of contacts	3	4	5	8	12	17
Termination	moulded on cable					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C~+80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Female cable (with shield)

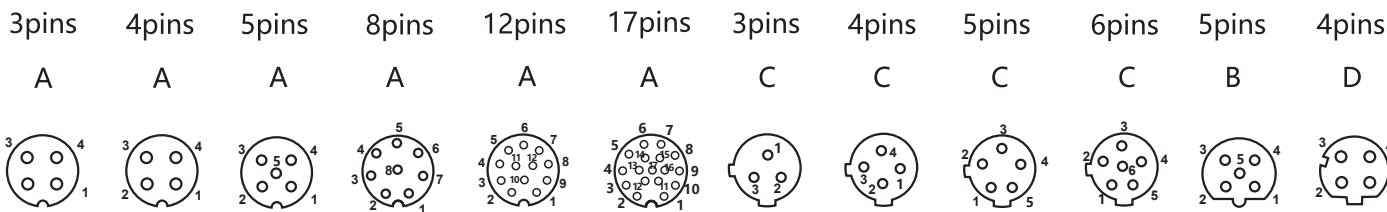
Product figure



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
3pins	A	M12A03/FB4/BN/OE
	C	M12C03/FB4/BN/OE
4pins	A	M12A04/FB4/BN/OE
	C	M12C04/FB4/BN/OE
	D	M12C04/FB4/BN/OE
5pins	A	M12A05/FB4/BN/OE
	B	M12B05/FB4/BN/OE
	C	M12C05/FB4/BN/OE
6pins	C	M12C06/FB4/BN/OE
8pins	A	M12A08/FB4/BN/OE
12pins	A	M12A12/FB4/BN/OE
17pins	A	M12A17/FB4/BN/OE

Specifications

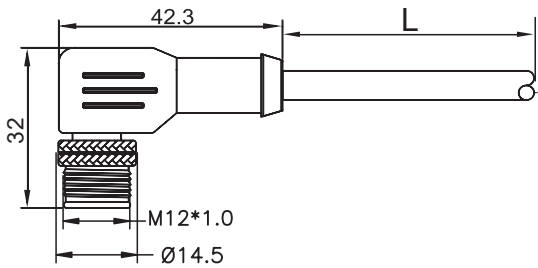
Number of contacts	3	4	5	8	12	17
Termination	moulded on cable					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C~+80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Male cable (90°)

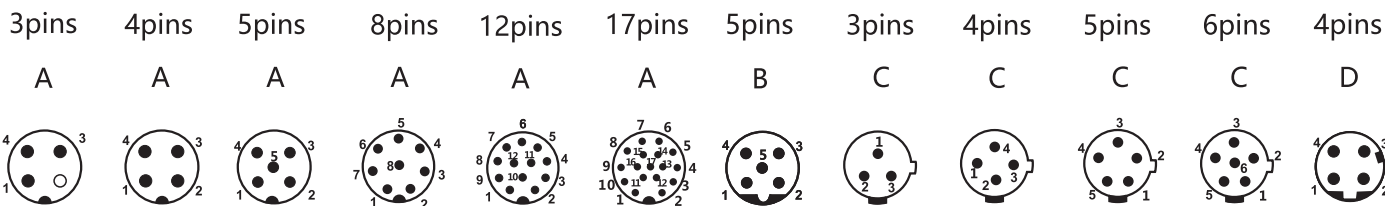
Product figure



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
3pins	A	M12A03/MA2/BN/OE
	C	M12C03/MA2/BN/OE
4pins	A	M12A04/MA2/BN/OE
	C	M12C04/MA2/BN/OE
	D	M12D04/MA2/BN/OE
5pins	A	M12A05/MA2/BN/OE
	B	M12B05/MA2/BN/OE
	C	M12C05/MA2/BN/OE
6pins	C	M12C06/MA2/BN/OE
8pins	A	M12A08/MA2/BN/OE
12pins	A	M12A12/MA2/BN/OE
17pins	A	M12A17/MA2/BN/OE

Specifications

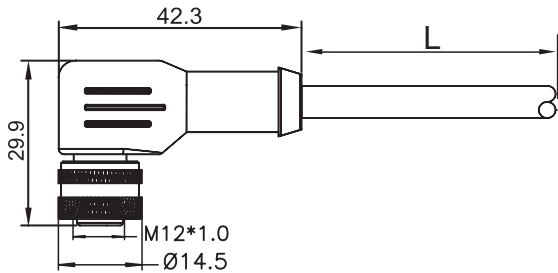
Number of contacts	3	4	5	8	12	17
Termination	moulded on cable					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C~+80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Female cable (90°)

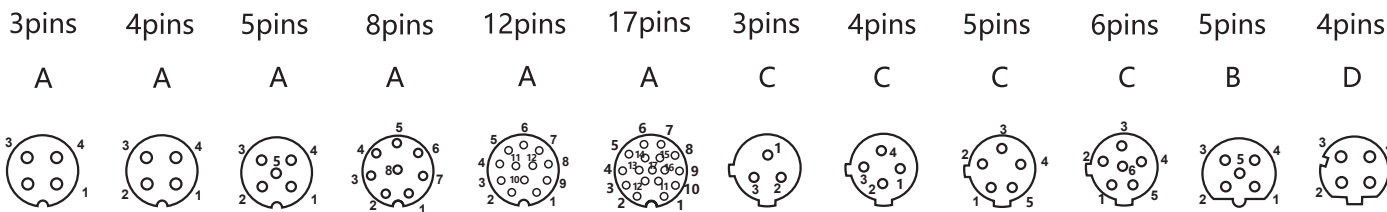
Product figure



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
3pins	A	M12A03/FA2/BN/OE
	C	M12C03/FA2/BN/OE
4pins	A	M12A04/FA2/BN/OE
	C	M12C04/FA2/BN/OE
	D	M12D04/FA2/BN/OE
5pins	A	M12A05/FA2/BN/OE
	B	M12B05/FA2/BN/OE
	C	M12C05/FA2/BN/OE
6pins	C	M12C06/FA2/BN/OE
8pins	A	M12A08/FA2/BN/OE
12pins	A	M12A12/FA2/BN/OE
17pins	A	M12A17/FA2/BN/OE

Specifications

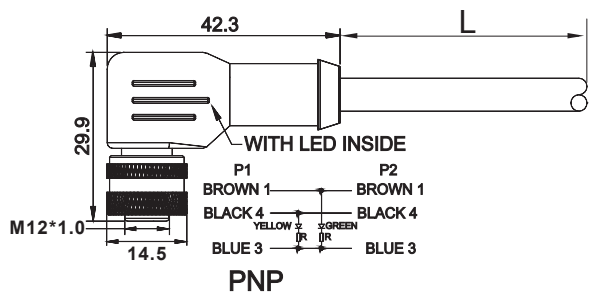
Number of contacts	3	4	5	8	12	17
Termination	moulded on cable					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C~+80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Female cable(90° with LED PNP)

Product figure



Scale diagram



Contact layout (Front view)

3pins

4pins

5pins

A

A

A



Order Data

Contacts	Coding	Order No
3pins	A	M12A03/FA4/BN/OE
4pins	A	M12A04/FA4/BN/OE
5pins	A	M12A05/FA4/BN/OE

Specifications

Number of contacts	3	4	5
Termination	moulded on cable		
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)		
Operating temperature	-25°C ~ +80°C		
Mechanical operation	> 100 mating cycles		
Rated voltage	250V		60V
Rated current (40°C)	4A		
Protection degree	IP67/IP68		
Contact resistance	< 10mΩ		
Insulation resistance	≥100MΩ		
Pin contact	CuZn		
Socket contact	CuSn		
Contact plating	Au		

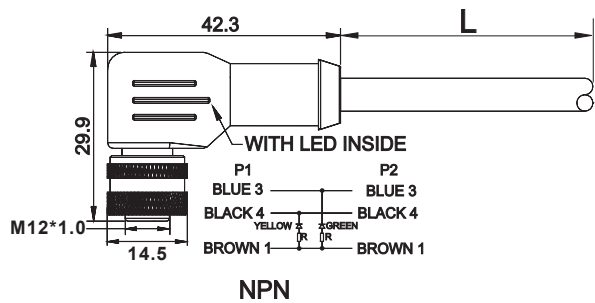


Female cable(90° with LED NPN)

Product figure



Scale diagram



Contact layout (Front view)

3pins

4pins

5pins

A

A

A



Order Data

Contacts	Coding	Order No
3pins	A	M12A03/FA5/BN/OE
4pins	A	M12A04/FA5/BN/OE
5pins	A	M12A05/FA5/BN/OE

Specifications

Number of contacts	3	4	5
Termination	moulded on cable		
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)		
Operating temperature	-25°C ~ +80°C		
Mechanical operation	> 100 mating cycles		
Rated voltage	250V		60V
Rated current (40°C)	4A		
Protection degree	IP67/IP68		
Contact resistance	< 10mΩ		
Insulation resistance	≥100MΩ		
Pin contact	CuZn		
Socket contact	CuSn		
Contact plating	Au		

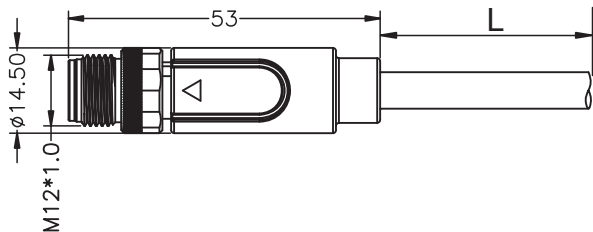


Male cable

Product figure



Scale diagram



Contact layout (Front view)

8pins

X

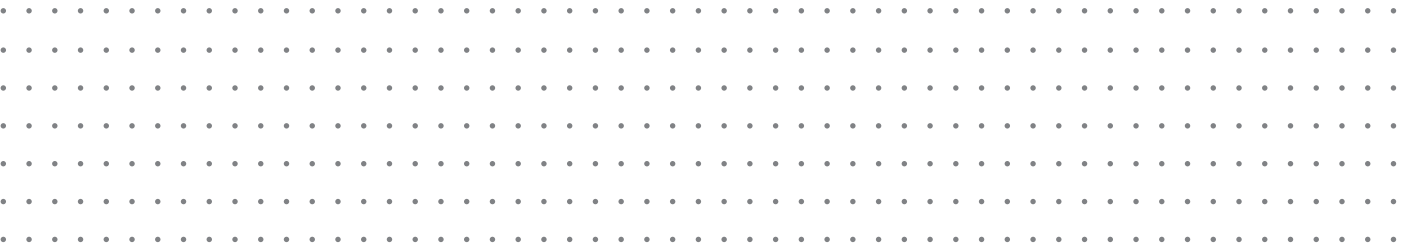


Order Data

Contacts	Coding	Order No
8pins	X	M12X08/MB4/BN/OE

Specifications

Number of contacts	8
Termination	moulded on cable
Wire gauge	0.14/0.25mm²(26/24 AWG)
Operating temperature	-40°C ~ +80°C
Mechanical operation	> 100 mating cycles
Rated voltage	50V AC / 60V DC
Rated current (40°C)	0.5A
Protection degree	IP67/IP68
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

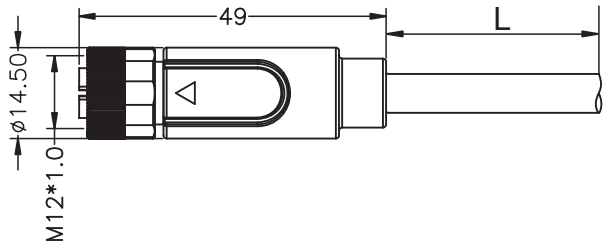


Female cable

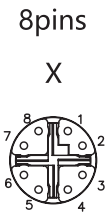
Product figure



Scale diagram



Contact layout (Front view)

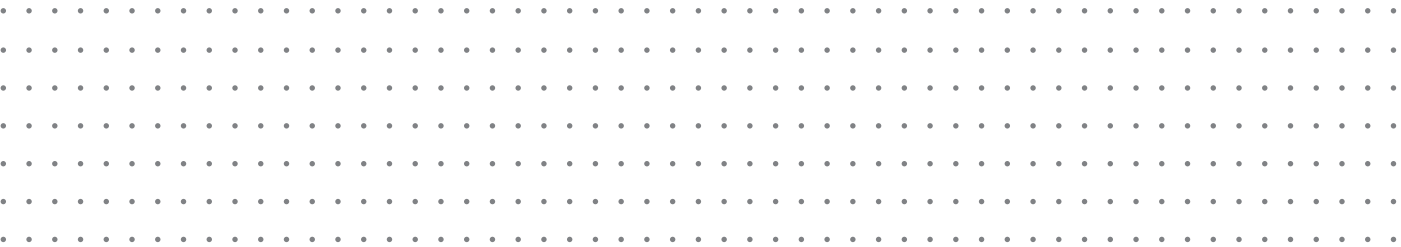


Order Data

Contacts	Coding	Order No
8pins	X	M12X08/FB4/BN/OE

Specifications

Number of contacts	8
Termination	moulded on cable
Wire gauge	0.14/0.25mm²(26/24 AWG)
Operating temperature	-40°C ~ +80°C
Mechanical operation	> 100 mating cycles
Rated voltage	50V AC / 60V DC
Rated current (40°C)	0.5A
Protection degree	IP67/IP68
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

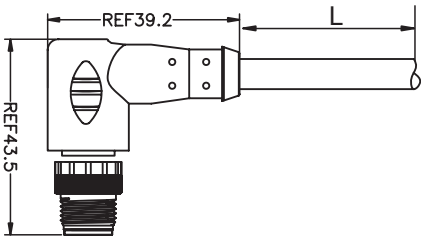


Male cable

Product figure



Scale diagram



Contact layout (Front view)

8pins

X

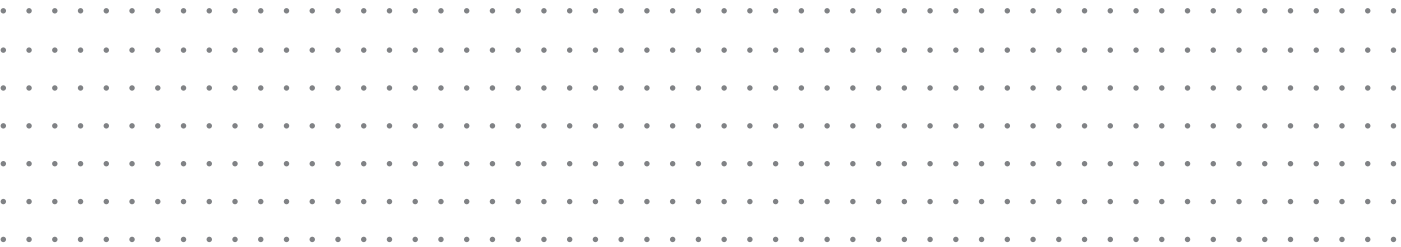


Order Data

Contacts	Coding	Order No
8pins	X	M12X08/MB5/BN/OE

Specifications

Number of contacts	8
Termination	moulded on cable
Wire gauge	0.14/0.25mm ² (26/24 AWG)
Operating temperature	-40°C ~ +80°C
Mechanical operation	> 100 mating cycles
Rated voltage	50V AC / 60V DC
Rated current (40°C)	0.5A
Protection degree	IP67/IP68
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

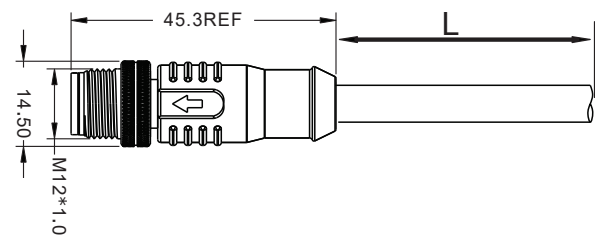


Male cable

Product figure



Scale diagram



Contact layout (Front view)

2+PE

S



3+PE

S



Order Data

Contacts	Coding	Order No
2+PE	S	M12S2P/MA3/BN/OE
3+PE	S	M12S3P/MA3/BN/OE

Specifications

Number of contacts	2+PE	3+PE
Termination	moulded on cable	
Wire gauge	max. 1.5mm ² (max.16 AWG)	
Operating temperature	-40°C ~ +80°C	
Mechanical operation	> 100 mating cycles	
Rated voltage	630V	
Rated current (40°C)	12A	
Protection degree	IP67/IP68	
Contact resistance	≤3mΩ	
Insulation resistance	≥100MΩ	
Pin contact	CuZn	
Socket contact	CuSn	
Contact plating	Au	

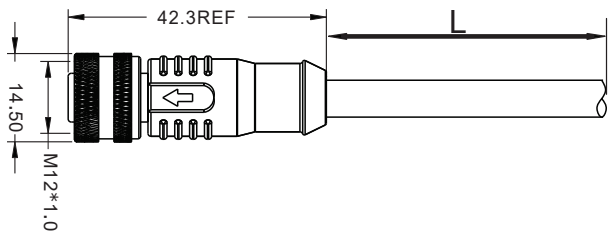


Female cable

Product figure



Scale diagram



Contact layout (Front view)

2+PE

S



3+PE

S



Order Data

Contacts	Coding	Order No
2+PE	S	M12S2P/FA3/BN/OE
3+PE	S	M12S3P/FA3/BN/OE

Specifications

Number of contacts	2+PE	3+PE
Termination	moulded on cable	
Wire gauge	max. 1.5mm ² (max.16 AWG)	
Operating temperature	-40°C ~ +80°C	
Mechanical operation	> 100 mating cycles	
Rated voltage	630V	
Rated current (40°C)	12A	
Protection degree	IP67/IP68	
Contact resistance	≤3mΩ	
Insulation resistance	≥100MΩ	
Pin contact	CuZn	
Socket contact	CuSn	
Contact plating	Au	

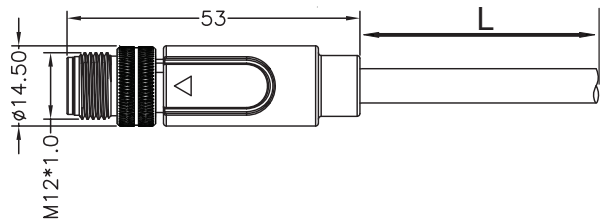


Male cable

Product figure



Scale diagram



Contact layout (Front view)

4pins

T

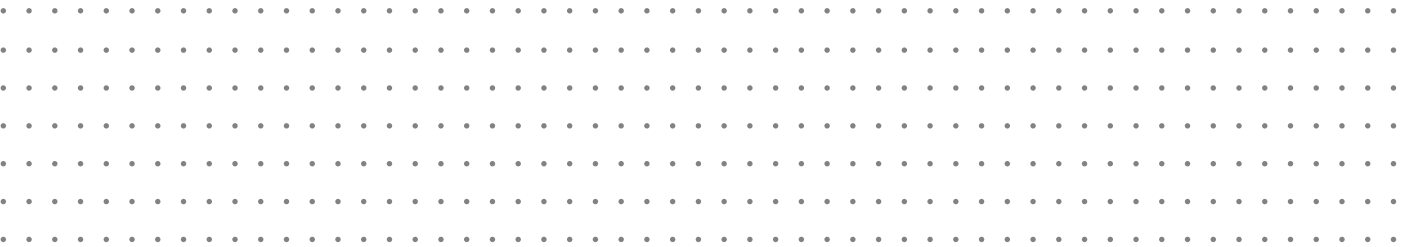


Order Data

Contacts	Coding	Order No
4pins	T	M12T04/MA3/BN/OE

Specifications

Number of contacts	4
Termination	moulded on cable
Wire gauge	max. 1.5mm ² (max.16 AWG)
Operating temperature	-40°C ~ +80°C
Mechanical operation	> 100 mating cycles
Rated voltage	63V
Rated current (40°C)	12A
Protection degree	IP67/IP68
Contact resistance	≤3mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

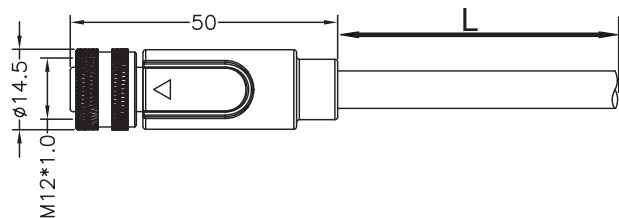


Female cable

Product figure



Scale diagram



Contact layout (Front view)

4pins

T

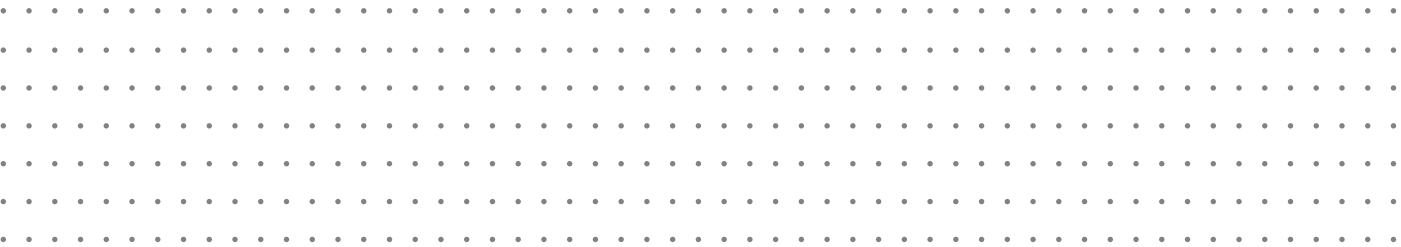


Order Data

Contacts	Coding	Order No
4pins	T	M12T04/FA3/BN/OE

Specifications

Number of contacts	4
Termination	moulded on cable
Wire gauge	max. 1.5mm ² (max.16 AWG)
Operating temperature	-40°C ~ +80°C
Mechanical operation	> 100 mating cycles
Rated voltage	63V
Rated current (40°C)	12A
Protection degree	IP67/IP68
Contact resistance	≤3mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

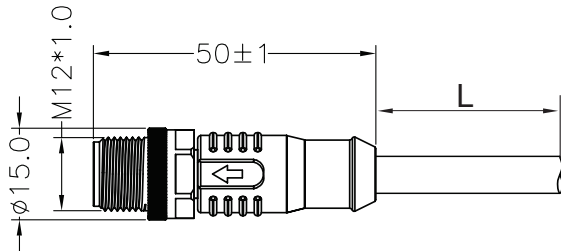


Male cable

Product figure



Scale diagram



Contact layout (Front view)

4+FE

E

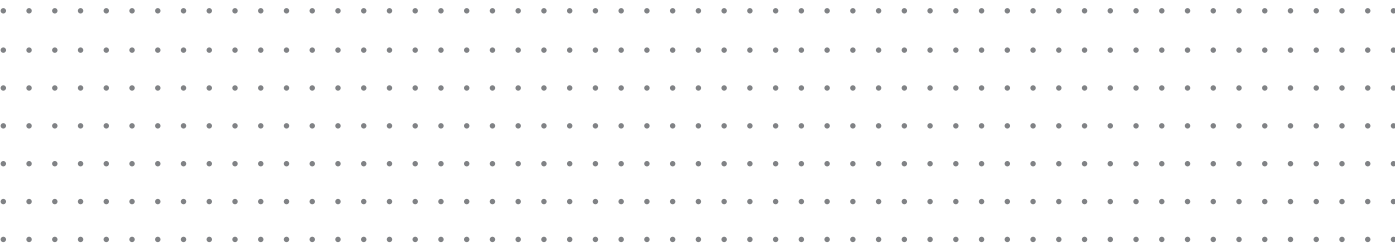


Order Data

Contacts	Coding	Order No
4+FE	E	M12E4F/MA3/BN/OE

Specifications

Number of contacts	4 + FE
Termination	moulded on cable
Wire gauge	max. 1.5mm ² (max.16 AWG)
Operating temperature	-40°C ~ +80°C
Mechanical operation	> 100 mating cycles
Rated voltage	63V
Rated current (40°C)	16A
Protection degree	IP67/IP68
Contact resistance	≤3mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

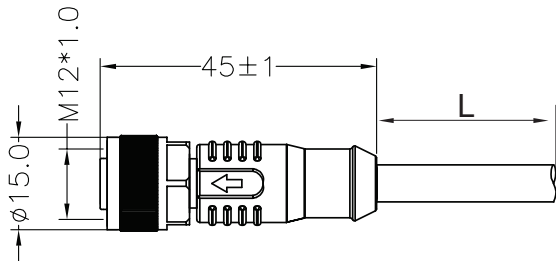


Female cable

Product figure



Scale diagram



Contact layout (Front view)

4+FE

E

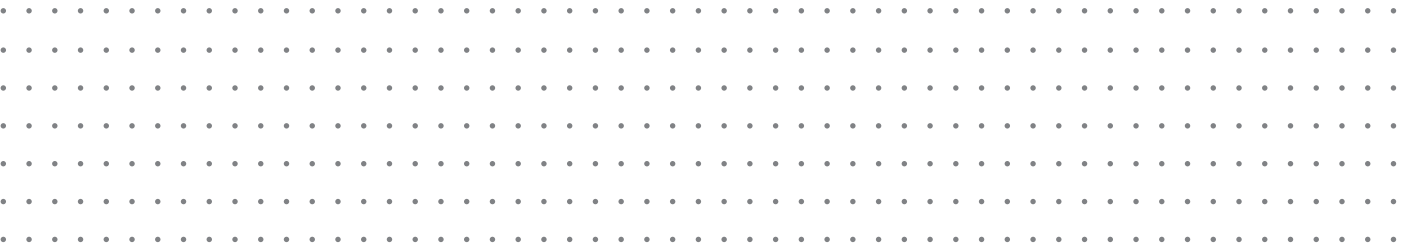


Order Data

Contacts	Coding	Order No
4+FE	E	M12E4F/FA3/BN/OE

Specifications

Number of contacts	4 + FE
Termination	solder
Wire gauge	max. 1.5mm ² (max.16 AWG)
Operating temperature	-40°C ~ +80°C
Mechanical operation	> 100 mating cycles
Rated voltage	63V
Rated current (40°C)	16A
Protection degree	IP67/IP68
Contact resistance	≤3mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

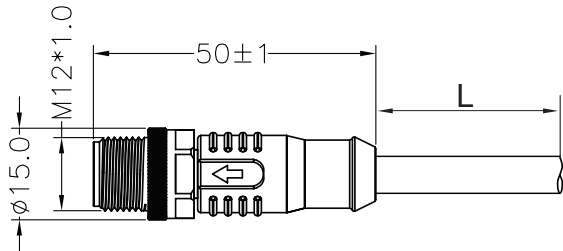


Male cable

Product figure



Scale diagram



Contact layout (Front view)

4pins

F

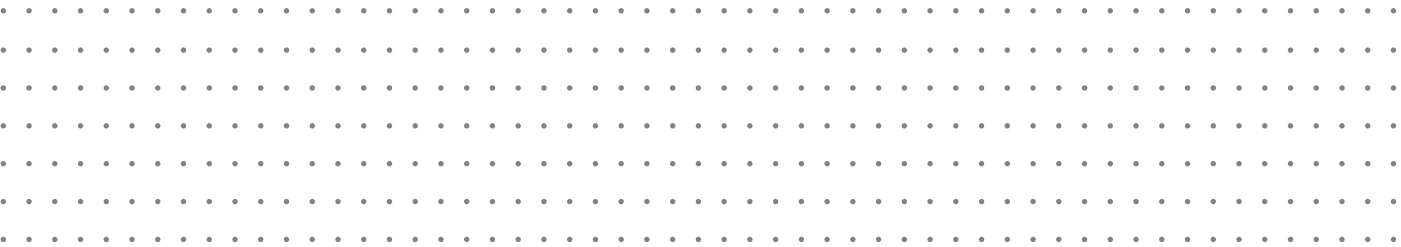


Order Data

Contacts	Coding	Order No
4pins	F	M12F04/MA3/BN/OE

Specifications

Number of contacts	4
Termination	moulded on cable
Wire gauge	max. 1.5mm ² (max.16 AWG)
Operating temperature	-40°C ~ +80°C
Mechanical operation	> 100 mating cycles
Rated voltage	63V
Rated current (40°C)	16A
Protection degree	IP67/IP68
Contact resistance	≤3mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

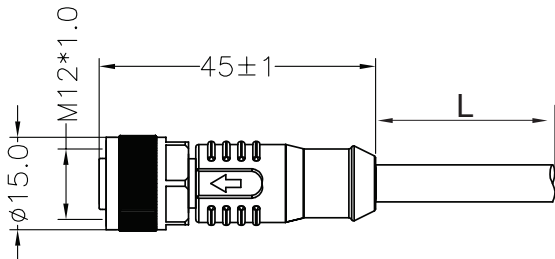


Female cable

Product figure



Scale diagram



Contact layout (Front view)

4pins

F

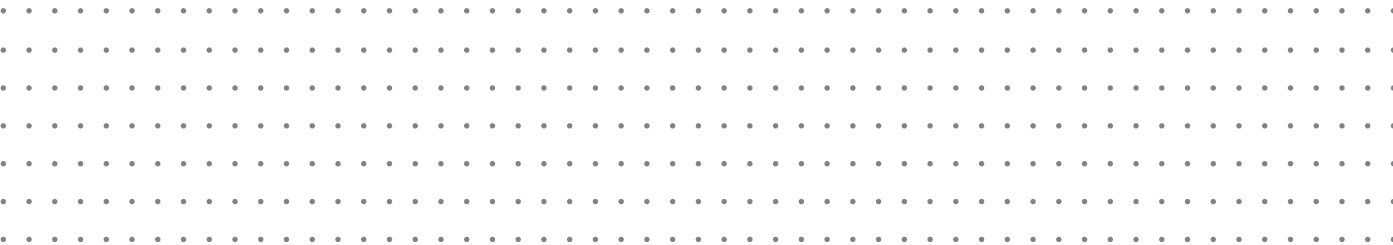


Order Data

Contacts	Coding	Order No
4pins	F	M12F04/FA3/BN/OE

Specifications

Number of contacts	4
Termination	moulded on cable
Wire gauge	max. 1.5mm²(max.16 AWG)
Operating temperature	-40°C~+85°C
Mechanical operation	> 100 mating cycles
Rated voltage	63V
Rated current (40°C)	16A
Protection degree	IP67/IP68
Contact resistance	≤3mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

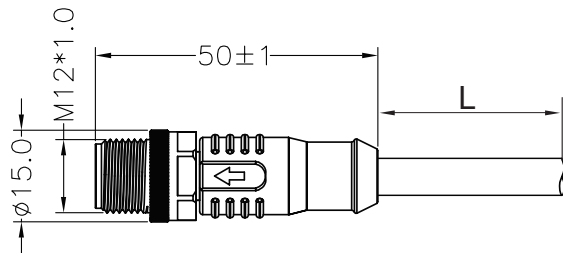


Male cable

Product figure



Scale diagram



Contact layout (Front view)

4+PE

K

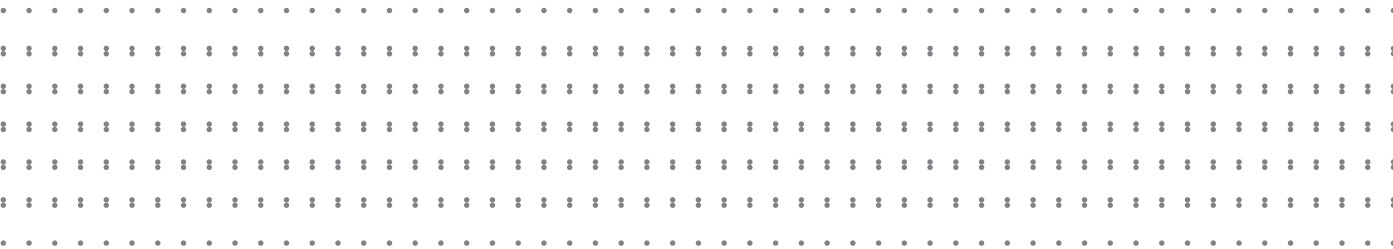


Order Data

Contacts	Coding	Order No
4+PE	K	M12K4P/MA3/BN/OE

Specifications

Number of contacts	4+PE
Termination	—
Wire gauge	—
Operating temperature	-40°C~+85°C
Mechanical operation	> 100 mating cycles
Rated voltage	630V
Rated current (40°C)	12A
Protection degree	IP67/IP68
Contact resistance	≤3mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

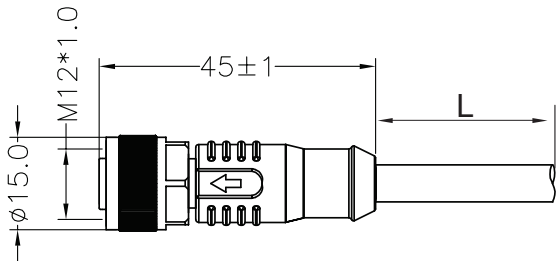


Female cable

Product figure



Scale diagram



Contact layout (Front view)

4+PE

K

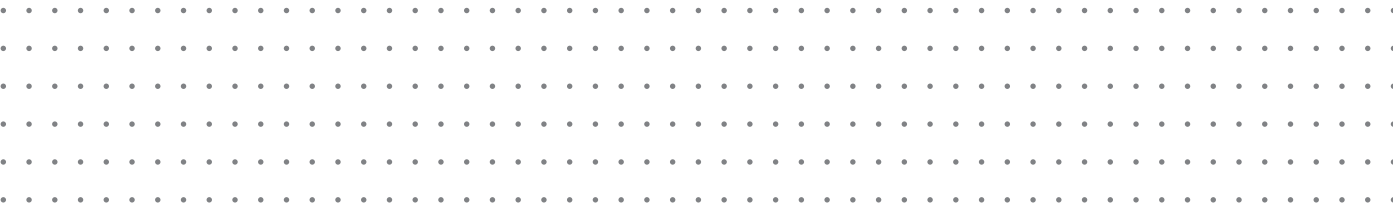


Order Data

Contacts	Coding	Order No	
4+PE	K	M12K4P/FA3/BN/OE	

Specifications

Number of contacts	4+PE
Termination	—
Wire gauge	—
Operating temperature	-40°C~+85°C
Mechanical operation	> 100 mating cycles
Rated voltage	630V
Rated current (40°C)	12A
Protection degree	IP67/IP68
Contact resistance	≤3mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

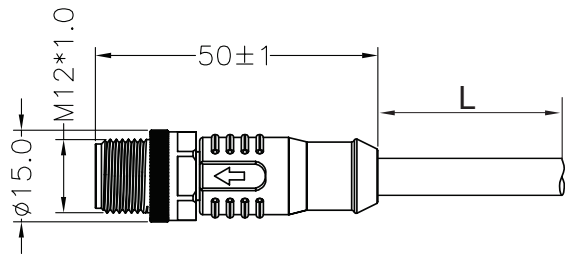


Male cable

Product figure



Scale diagram



Contact layout (Front view)

4+FE

L

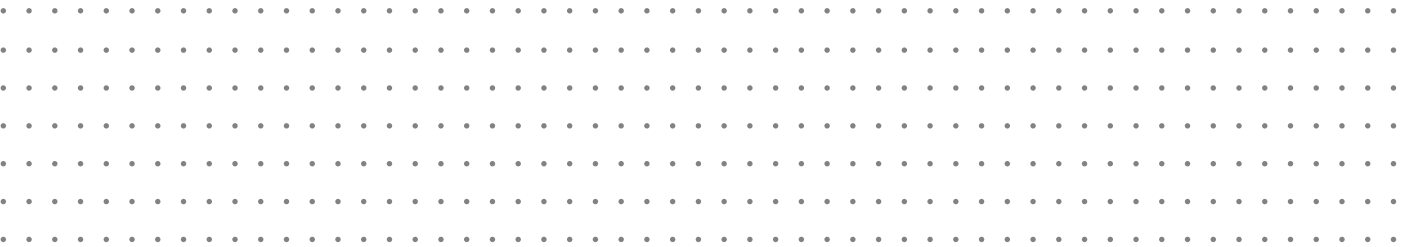


Order Data

Contacts	Coding	Order No
4+FE	L	M12L4F/MA3/BN/OE

Specifications

Number of contacts	4+FE
Termination	moulded on cable
Wire gauge	max. 1.5mm²(max.16 AWG)
Operating temperature	-40°C~+80°C
Mechanical operation	> 100 mating cycles
Rated voltage	63V
Rated current (40°C)	16A
Protection degree	IP67/IP68
Contact resistance	≤3mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

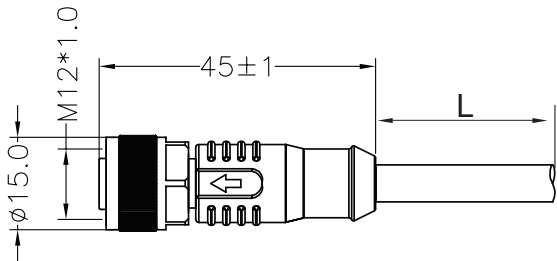


Female cable

Product figure



Scale diagram



Contact layout (Front view)

4+FE

L

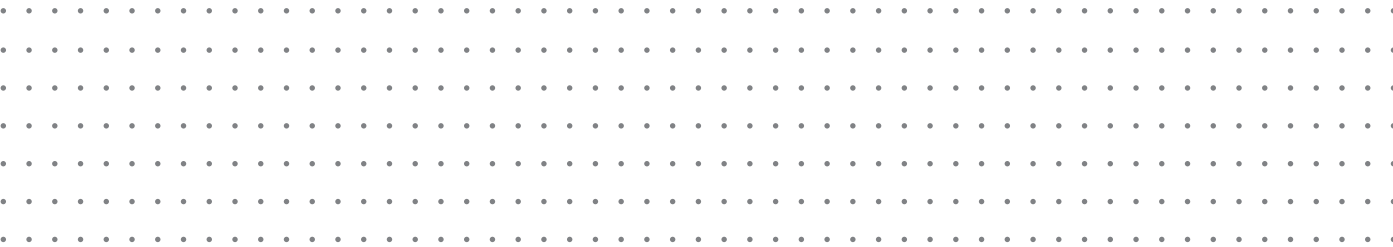


Order Data

Contacts	Coding	Order No
4+FE	L	M12L4F/FA3/BN/OE

Specifications

Number of contacts	4+FE
Termination	moulded on cable
Wire gauge	max. 1.5mm²(max.16 AWG)
Operating temperature	-40°C~+85°C
Mechanical operation	> 100 mating cycles
Rated voltage	63V
Rated current (40°C)	16A
Protection degree	IP67/IP68
Contact resistance	≤3mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

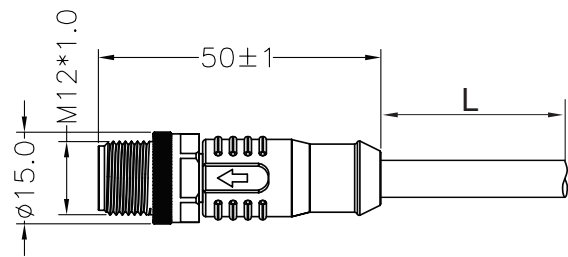


Male cable

Product figure



Scale diagram



Contact layout (Front view)

5+PE

M



Order Data

Contacts	Coding	Order No
5+PE	M	M12M5P/MA3/BN/OE

Specifications

Number of contacts	5 + PE
Termination	moulded on cable
Wire gauge	max. 1.5mm²(max.16 AWG)
Operating temperature	-40°C ~ +80°C
Mechanical operation	> 100 mating cycles
Rated voltage	630V
Rated current (40°C)	8A
Protection degree	IP67/IP68
Contact resistance	≤3mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

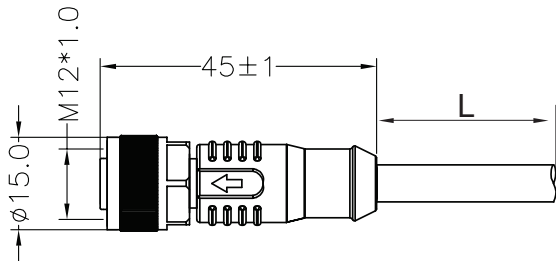


Female cable

Product figure



Scale diagram



Contact layout (Front view)

5+PE

M



Order Data

Contacts	Coding	Order No
5+PE	M	M12M5P/FA3/BN/OE

Specifications

Number of contacts	5 + PE
Termination	moulded on cable
Wire gauge	max. 1.5mm ² (max.16 AWG)
Operating temperature	-40°C ~ +80°C
Mechanical operation	> 100 mating cycles
Rated voltage	630V
Rated current (40°C)	8A
Protection degree	IP67/IP68
Contact resistance	≤3mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

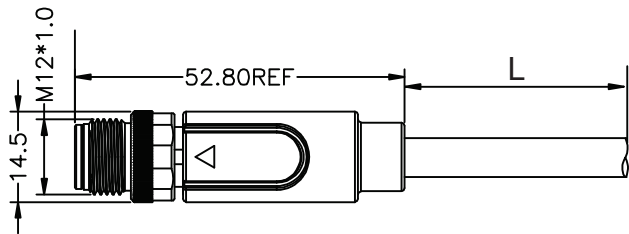


Male cable

Product figure



Scale diagram



Contact layout (Front view)

4power+4signal

Y

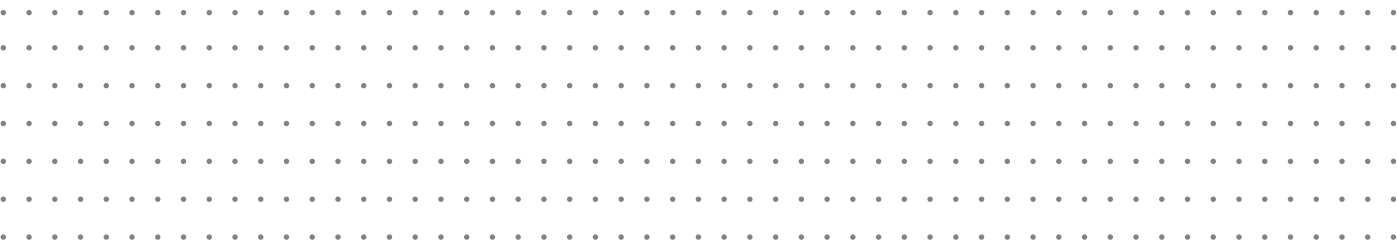


Order Data

Contacts	Coding	Order No
4power+4signal	Y	M12Y44/MB4/BN/OE

Specifications

Number of contacts	4power+4signal
Termination	moulded on cable
Wire gauge	4P (0.5mm²/20AWG)+4S (0.25mm²/24AWG)
Operating temperature	-25°C ~ +80°C
Mechanical operation	> 100 mating cycles
Rated voltage	50V
Rated current (40°C)	6A/0.5A
Protection degree	IP67/IP68
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

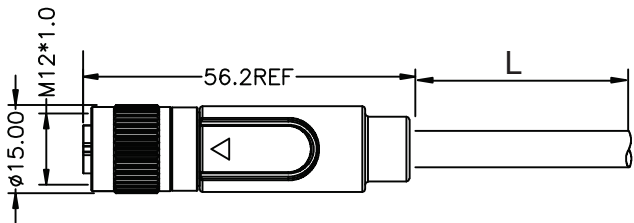


Female cable

Product figure



Scale diagram



Contact layout (Front view)

4power+4signal

Y

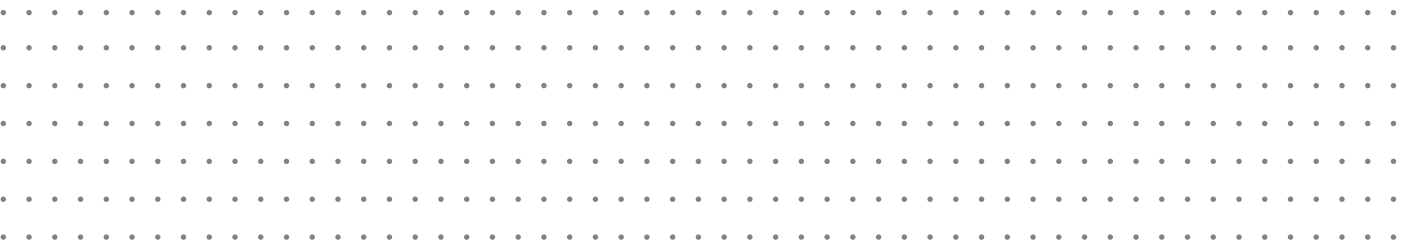


Order Data

Contacts	Coding	Order No
4power+4signal	Y	M12Y44/FB4/BN/OE

Specifications

Number of contacts	4power+4signal
Termination	moulded on cable
Wire gauge	4P (0.5mm²/20AWG)+4S (0.25mm²/24AWG)
Operating temperature	-25°C ~ +80°C
Mechanical operation	> 100 mating cycles
Rated voltage	50V
Rated current (40°C)	6A/0.5A
Protection degree	IP67/IP68
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

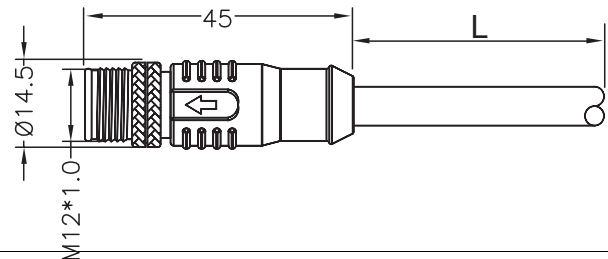


Male cable

Product figure



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A

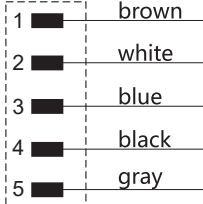
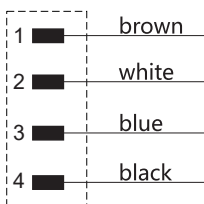
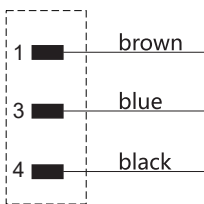


5pins

A



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC		PUR	
			black	gray	black	gray
1.5M	3pins	0.34mm ²	M12A03/MA3/BN/OE/02/1500	M12A03/MA3/BN/OE/07/1500	M12A03/MA3/BN/OE/22/1500	M12A03/MA3/BN/OE/27/1500
	4pins	0.34mm ²	M12A04/MA3/BN/OE/02/1500	M12A04/MA3/BN/OE/07/1500	M12A04/MA3/BN/OE/22/1500	M12A04/MA3/BN/OE/27/1500
	5pins	0.34mm ²	M12A05/MA3/BN/OE/02/1500	M12A05/MA3/BN/OE/07/1500	M12A05/MA3/BN/OE/22/1500	M12A05/MA3/BN/OE/27/1500
3.0M	3pins	0.34mm ²	M12A03/MA3/BN/OE/02/3000	M12A03/MA3/BN/OE/07/3000	M12A03/MA3/BN/OE/22/3000	M12A03/MA3/BN/OE/27/3000
	4pins	0.34mm ²	M12A04/MA3/BN/OE/02/3000	M12A04/MA3/BN/OE/07/3000	M12A04/MA3/BN/OE/22/3000	M12A04/MA3/BN/OE/27/3000
	5pins	0.34mm ²	M12A05/MA3/BN/OE/02/3000	M12A05/MA3/BN/OE/07/3000	M12A05/MA3/BN/OE/22/3000	M12A05/MA3/BN/OE/27/3000
5.0M	3pins	0.34mm ²	M12A03/MA3/BN/OE/02/5000	M12A03/MA3/BN/OE/07/5000	M12A03/MA3/BN/OE/22/5000	M12A03/MA3/BN/OE/27/5000
	4pins	0.34mm ²	M12A04/MA3/BN/OE/02/5000	M12A04/MA3/BN/OE/07/5000	M12A04/MA3/BN/OE/22/5000	M12A04/MA3/BN/OE/27/5000
	5pins	0.34mm ²	M12A05/MA3/BN/OE/02/5000	M12A05/MA3/BN/OE/07/5000	M12A05/MA3/BN/OE/22/5000	M12A05/MA3/BN/OE/27/5000
7.5M	3pins	0.34mm ²	M12A03/MA3/BN/OE/02/7500	M12A03/MA3/BN/OE/07/7500	M12A03/MA3/BN/OE/22/7500	M12A03/MA3/BN/OE/27/7500
	4pins	0.34mm ²	M12A04/MA3/BN/OE/02/7500	M12A04/MA3/BN/OE/07/7500	M12A04/MA3/BN/OE/22/7500	M12A04/MA3/BN/OE/27/7500
	5pins	0.34mm ²	M12A05/MA3/BN/OE/02/7500	M12A05/MA3/BN/OE/07/7500	M12A05/MA3/BN/OE/22/7500	M12A05/MA3/BN/OE/27/7500
10M	3pins	0.34mm ²	M12A03/MA3/BN/OE/02/10M0	M12A03/MA3/BN/OE/07/10M0	M12A03/MA3/BN/OE/22/10M0	M12A03/MA3/BN/OE/27/10M0
	4pins	0.34mm ²	M12A04/MA3/BN/OE/02/10M0	M12A04/MA3/BN/OE/07/10M0	M12A04/MA3/BN/OE/22/10M0	M12A04/MA3/BN/OE/27/10M0
	5pins	0.34mm ²	M12A05/MA3/BN/OE/02/10M0	M12A05/MA3/BN/OE/07/10M0	M12A05/MA3/BN/OE/22/10M0	M12A05/MA3/BN/OE/27/10M0

Specifications

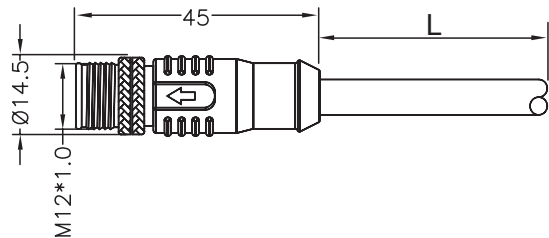
Number of contacts	3	4	5
Rated voltage	250V		60V
Rated current (40°C)	4A		
Protection degree	IP67/IP68		
Operating temperature	-25°C ~ +80°C		
Cable OD	4.5~5.0mm	4.6~6.0mm	5.8~6.0mm

Male cable

Product figure



Scale diagram



Contact layout (Front view)



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC		PUR	
			black	gray	black	gray
1.5M	8pins	0.25mm ²	M12A08/MA3/BN/OE/01/1500	M12A08/MA3/BN/OE/06/1500	M12A08/MA3/BN/OE/21/1500	M12A08/MA3/BN/OE/26/1500
	12pins	0.14mm ²	M12A12/MA3/BN/OE/00/1500	M12A12/MA3/BN/OE/05/1500	M12A12/MA3/BN/OE/20/1500	M12A12/MA3/BN/OE/25/1500
3.0M	8pins	0.25mm ²	M12A08/MA3/BN/OE/01/3000	M12A08/MA3/BN/OE/06/3000	M12A08/MA3/BN/OE/21/3000	M12A08/MA3/BN/OE/26/3000
	12pins	0.14mm ²	M12A12/MA3/BN/OE/00/3000	M12A12/MA3/BN/OE/05/3000	M12A12/MA3/BN/OE/20/3000	M12A12/MA3/BN/OE/25/3000
5.0M	8pins	0.25mm ²	M12A08/MA3/BN/OE/01/5000	M12A08/MA3/BN/OE/06/5000	M12A08/MA3/BN/OE/21/5000	M12A08/MA3/BN/OE/26/5000
	12pins	0.14mm ²	M12A12/MA3/BN/OE/00/5000	M12A12/MA3/BN/OE/05/5000	M12A12/MA3/BN/OE/20/5000	M12A12/MA3/BN/OE/25/5000
7.5M	8pins	0.25mm ²	M12A08/MA3/BN/OE/01/7500	M12A08/MA3/BN/OE/06/7500	M12A08/MA3/BN/OE/21/7500	M12A08/MA3/BN/OE/26/7500
	12pins	0.14mm ²	M12A12/MA3/BN/OE/00/7500	M12A12/MA3/BN/OE/05/7500	M12A12/MA3/BN/OE/20/7500	M12A12/MA3/BN/OE/25/7500
10M	8pins	0.25mm ²	M12A08/MA3/BN/OE/01/10M0	M12A08/MA3/BN/OE/06/10M0	M12A08/MA3/BN/OE/21/10M0	M12A08/MA3/BN/OE/26/10M0
	12pins	0.14mm ²	M12A12/MA3/BN/OE/00/10M0	M12A12/MA3/BN/OE/05/10M0	M12A12/MA3/BN/OE/20/10M0	M12A12/MA3/BN/OE/25/10M0

Specifications

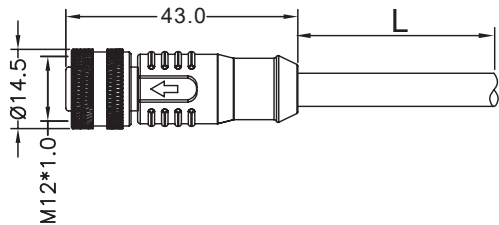
Number of contacts	8	12
Rated voltage	30V	
Rated current (40°C)	2A	1.5A
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	6.5mm	6.5~7.0mm

Female cable

Product figure



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A

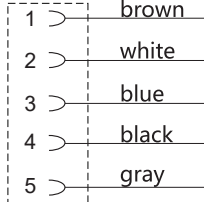
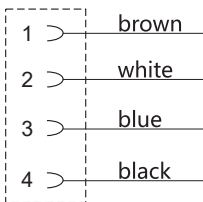
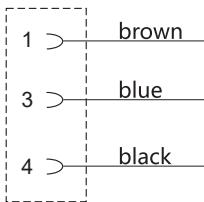


5pins

A



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC		PUR	
			black	gray	black	gray
1.5M	3pins	0.34mm ²	M12A03/FA3/BN/OE/02/1500	M12A03/FA3/BN/OE/07/1500	M12A03/FA3/BN/OE/22/1500	M12A03/FA3/BN/OE/27/1500
	4pins	0.34mm ²	M12A04/FA3/BN/OE/02/1500	M12A04/FA3/BN/OE/07/1500	M12A04/FA3/BN/OE/22/1500	M12A04/FA3/BN/OE/27/1500
	5pins	0.34mm ²	M12A05/FA3/BN/OE/02/1500	M12A05/FA3/BN/OE/07/1500	M12A05/FA3/BN/OE/22/1500	M12A05/FA3/BN/OE/27/1500
3.0M	3pins	0.34mm ²	M12A03/FA3/BN/OE/02/3000	M12A03/FA3/BN/OE/07/3000	M12A03/FA3/BN/OE/22/3000	M12A03/FA3/BN/OE/27/3000
	4pins	0.34mm ²	M12A04/FA3/BN/OE/02/3000	M12A04/FA3/BN/OE/07/3000	M12A04/FA3/BN/OE/22/3000	M12A04/FA3/BN/OE/27/3000
	5pins	0.34mm ²	M12A05/FA3/BN/OE/02/3000	M12A05/FA3/BN/OE/07/3000	M12A05/FA3/BN/OE/22/3000	M12A05/FA3/BN/OE/27/3000
5.0M	3pins	0.34mm ²	M12A03/FA3/BN/OE/02/5000	M12A03/FA3/BN/OE/07/5000	M12A03/FA3/BN/OE/22/5000	M12A03/FA3/BN/OE/27/5000
	4pins	0.34mm ²	M12A04/FA3/BN/OE/02/5000	M12A04/FA3/BN/OE/07/5000	M12A04/FA3/BN/OE/22/5000	M12A04/FA3/BN/OE/27/5000
	5pins	0.34mm ²	M12A05/FA3/BN/OE/02/5000	M12A05/FA3/BN/OE/07/5000	M12A05/FA3/BN/OE/22/5000	M12A05/FA3/BN/OE/27/5000
7.5M	3pins	0.34mm ²	M12A03/FA3/BN/OE/02/7500	M12A03/FA3/BN/OE/07/7500	M12A03/FA3/BN/OE/22/7500	M12A03/FA3/BN/OE/27/7500
	4pins	0.34mm ²	M12A04/FA3/BN/OE/02/7500	M12A04/FA3/BN/OE/07/7500	M12A04/FA3/BN/OE/22/7500	M12A04/FA3/BN/OE/27/7500
	5pins	0.34mm ²	M12A05/FA3/BN/OE/02/7500	M12A05/FA3/BN/OE/07/7500	M12A05/FA3/BN/OE/22/7500	M12A05/FA3/BN/OE/27/7500
10M	3pins	0.34mm ²	M12A03/FA3/BN/OE/02/10M0	M12A03/FA3/BN/OE/07/10M0	M12A03/FA3/BN/OE/22/10M0	M12A03/FA3/BN/OE/27/10M0
	4pins	0.34mm ²	M12A04/FA3/BN/OE/02/10M0	M12A04/FA3/BN/OE/07/10M0	M12A04/FA3/BN/OE/22/10M0	M12A04/FA3/BN/OE/27/10M0
	5pins	0.34mm ²	M12A05/FA3/BN/OE/02/10M0	M12A05/FA3/BN/OE/07/10M0	M12A05/FA3/BN/OE/22/10M0	M12A05/FA3/BN/OE/27/10M0

Specifications

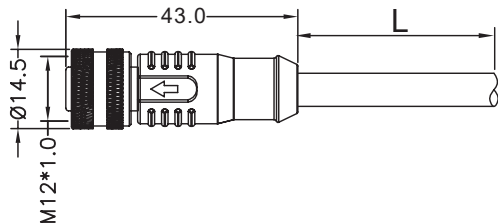
Number of contacts	3	4	5
Rated voltage	250V		60V
Rated current (40°C)	4A		
Protection degree	IP67/IP68		
Operating temperature	-25°C~+80°C		
Cable OD	4.5~5.0mm	4.6~6.0mm	5.8~6.0mm

Female cable

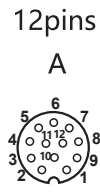
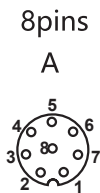
Product figure



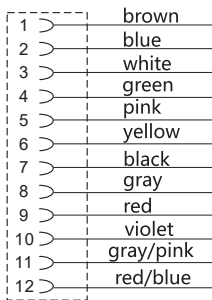
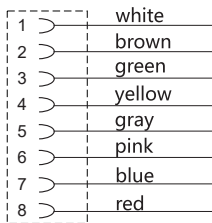
Scale diagram



Contact layout (Front view)



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC		PUR	
			black	gray	black	gray
1.5M	8pins	0.25mm ²	M12A08/FA3/BN/OE/01/1500	M12A08/FA3/BN/OE/06/1500	M12A08/FA3/BN/OE/21/1500	M12A08/FA3/BN/OE/26/1500
	12pins	0.14mm ²	M12A12/FA3/BN/OE/00/1500	M12A12/FA3/BN/OE/05/1500	M12A12/FA3/BN/OE/20/1500	M12A12/FA3/BN/OE/25/1500
3.0M	8pins	0.25mm ²	M12A08/FA3/BN/OE/01/3000	M12A08/FA3/BN/OE/06/3000	M12A08/FA3/BN/OE/21/3000	M12A08/FA3/BN/OE/26/3000
	12pins	0.14mm ²	M12A12/FA3/BN/OE/00/3000	M12A12/FA3/BN/OE/05/3000	M12A12/FA3/BN/OE/20/3000	M12A12/FA3/BN/OE/25/3000
5.0M	8pins	0.25mm ²	M12A08/FA3/BN/OE/01/5000	M12A08/FA3/BN/OE/06/5000	M12A08/FA3/BN/OE/21/5000	M12A08/FA3/BN/OE/26/5000
	12pins	0.14mm ²	M12A12/FA3/BN/OE/00/5000	M12A12/FA3/BN/OE/05/5000	M12A12/FA3/BN/OE/20/5000	M12A12/FA3/BN/OE/25/5000
7.5M	8pins	0.25mm ²	M12A08/FA3/BN/OE/01/7500	M12A08/FA3/BN/OE/06/7500	M12A08/FA3/BN/OE/21/7500	M12A08/FA3/BN/OE/26/7500
	12pins	0.14mm ²	M12A12/FA3/BN/OE/00/7500	M12A12/FA3/BN/OE/05/7500	M12A12/FA3/BN/OE/20/7500	M12A12/FA3/BN/OE/25/7500
10M	8pins	0.25mm ²	M12A08/FA3/BN/OE/01/10M0	M12A08/FA3/BN/OE/06/10M0	M12A08/FA3/BN/OE/21/10M0	M12A08/FA3/BN/OE/26/10M0
	12pins	0.14mm ²	M12A12/FA3/BN/OE/00/10M0	M12A12/FA3/BN/OE/05/10M0	M12A12/FA3/BN/OE/20/10M0	M12A12/FA3/BN/OE/25/10M0

Specifications

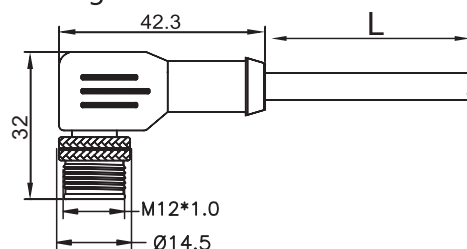
Number of contacts	8	12
Rated voltage	30V	
Rated current (40°C)	2A	1.5A
Protection degree	IP67/IP68	
Operating temperature	-25°C~+80°C	
Cable OD	6.5mm	6.5~7.0mm

Male cable (90°)

Product figure



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A

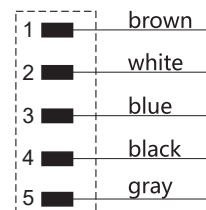
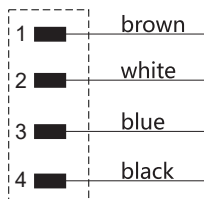
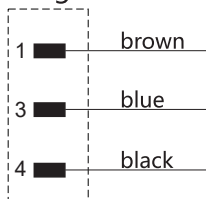


5pins

A



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC		PUR	
			black	gray	black	gray
1.5M	3pins	0.34mm ²	M12A03/MA2/BN/OE/02/1500	M12A03/MA2/BN/OE/07/1500	M12A03/MA2/BN/OE/22/1500	M12A03/MA2/BN/OE/27/1500
	4pins	0.34mm ²	M12A04/MA2/BN/OE/02/1500	M12A04/MA2/BN/OE/07/1500	M12A04/MA2/BN/OE/22/1500	M12A04/MA2/BN/OE/27/1500
	5pins	0.34mm ²	M12A05/MA2/BN/OE/02/1500	M12A05/MA2/BN/OE/07/1500	M12A05/MA2/BN/OE/22/1500	M12A05/MA2/BN/OE/27/1500
3.0M	3pins	0.34mm ²	M12A03/MA2/BN/OE/02/3000	M12A03/MA2/BN/OE/07/3000	M12A03/MA2/BN/OE/22/3000	M12A03/MA2/BN/OE/27/3000
	4pins	0.34mm ²	M12A04/MA2/BN/OE/02/3000	M12A04/MA2/BN/OE/07/3000	M12A04/MA2/BN/OE/22/3000	M12A04/MA2/BN/OE/27/3000
	5pins	0.34mm ²	M12A05/MA2/BN/OE/02/3000	M12A05/MA2/BN/OE/07/3000	M12A05/MA2/BN/OE/22/3000	M12A05/MA2/BN/OE/27/3000
5.0M	3pins	0.34mm ²	M12A03/MA2/BN/OE/02/5000	M12A03/MA2/BN/OE/07/5000	M12A03/MA2/BN/OE/22/5000	M12A03/MA2/BN/OE/27/5000
	4pins	0.34mm ²	M12A04/MA2/BN/OE/02/5000	M12A04/MA2/BN/OE/07/5000	M12A04/MA2/BN/OE/22/5000	M12A04/MA2/BN/OE/27/5000
	5pins	0.34mm ²	M12A05/MA2/BN/OE/02/5000	M12A05/MA2/BN/OE/07/5000	M12A05/MA2/BN/OE/22/5000	M12A05/MA2/BN/OE/27/5000
7.5M	3pins	0.34mm ²	M12A03/MA2/BN/OE/02/7500	M12A03/MA2/BN/OE/07/7500	M12A03/MA2/BN/OE/22/7500	M12A03/MA2/BN/OE/27/7500
	4pins	0.34mm ²	M12A04/MA2/BN/OE/02/7500	M12A04/MA2/BN/OE/07/7500	M12A04/MA2/BN/OE/22/7500	M12A04/MA2/BN/OE/27/7500
	5pins	0.34mm ²	M12A05/MA2/BN/OE/02/7500	M12A05/MA2/BN/OE/07/7500	M12A05/MA2/BN/OE/22/7500	M12A05/MA2/BN/OE/27/7500
10M	3pins	0.34mm ²	M12A03/MA2/BN/OE/02/10M0	M12A03/MA2/BN/OE/07/10M0	M12A03/MA2/BN/OE/22/10M0	M12A03/MA2/BN/OE/27/10M0
	4pins	0.34mm ²	M12A04/MA2/BN/OE/02/10M0	M12A04/MA2/BN/OE/07/10M0	M12A04/MA2/BN/OE/22/10M0	M12A04/MA2/BN/OE/27/10M0
	5pins	0.34mm ²	M12A05/MA2/BN/OE/02/10M0	M12A05/MA2/BN/OE/07/10M0	M12A05/MA2/BN/OE/22/10M0	M12A05/MA2/BN/OE/27/10M0

Specifications

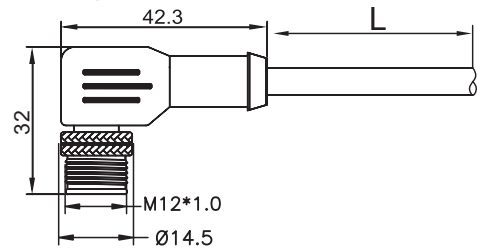
Number of contacts	3	4	5
Rated voltage	250V		60V
Rated current (40°C)	4A		
Protection degree	IP67/IP68		
Operating temperature	-25°C ~ +80°C		
Cable OD	4.5~5.0mm	4.6~6.0mm	5.8~6.0mm

Male cable (90°)

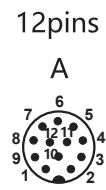
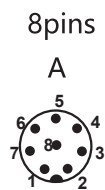
Product figure



Scale diagram



Contact layout (Front view)



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC		PUR	
			black	gray	black	gray
1.5M	8pins	0.25mm ²	M12A08/MA2/BN/OE/01/1500	M12A08/MA2/BN/OE/06/1500	M12A08/MA2/BN/OE/21/1500	M12A08/MA2/BN/OE/26/1500
	12pins	0.14mm ²	M12A12/MA2/BN/OE/00/1500	M12A12/MA2/BN/OE/05/1500	M12A12/MA2/BN/OE/20/1500	M12A12/MA2/BN/OE/25/1500
3.0M	8pins	0.25mm ²	M12A08/MA2/BN/OE/01/3000	M12A08/MA2/BN/OE/06/3000	M12A08/MA2/BN/OE/21/3000	M12A08/MA2/BN/OE/26/3000
	12pins	0.14mm ²	M12A12/MA2/BN/OE/00/3000	M12A12/MA2/BN/OE/05/3000	M12A12/MA2/BN/OE/20/3000	M12A12/MA2/BN/OE/25/3000
5.0M	8pins	0.25mm ²	M12A08/MA2/BN/OE/01/5000	M12A08/MA2/BN/OE/06/5000	M12A08/MA2/BN/OE/21/5000	M12A08/MA2/BN/OE/26/5000
	12pins	0.14mm ²	M12A12/MA2/BN/OE/00/5000	M12A12/MA2/BN/OE/05/5000	M12A12/MA2/BN/OE/20/5000	M12A12/MA2/BN/OE/25/5000
7.5M	8pins	0.25mm ²	M12A08/MA2/BN/OE/01/7500	M12A08/MA2/BN/OE/06/7500	M12A08/MA2/BN/OE/21/7500	M12A08/MA2/BN/OE/26/7500
	12pins	0.14mm ²	M12A12/MA2/BN/OE/00/7500	M12A12/MA2/BN/OE/05/7500	M12A12/MA2/BN/OE/20/7500	M12A12/MA2/BN/OE/25/7500
10M	8pins	0.25mm ²	M12A08/MA2/BN/OE/01/10M0	M12A08/MA2/BN/OE/06/10M0	M12A08/MA2/BN/OE/21/10M0	M12A08/MA2/BN/OE/26/10M0
	12pins	0.14mm ²	M12A12/MA2/BN/OE/00/10M0	M12A12/MA2/BN/OE/05/10M0	M12A12/MA2/BN/OE/20/10M0	M12A12/MA2/BN/OE/25/10M0

Specifications

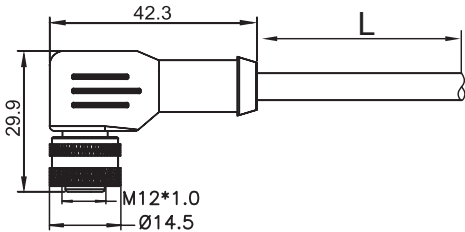
Number of contacts	8	12
Rated voltage	30V	
Rated current (40°C)	2A	1.5A
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	6.5mm	6.5~7.0mm

Female cable (90°)

Product figure



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A

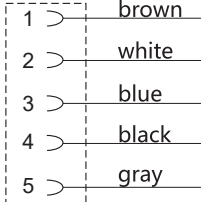
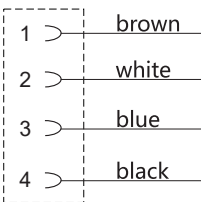
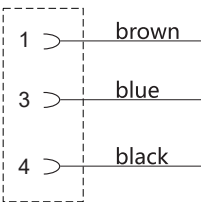


5pins

A



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC		PUR	
			black	gray	black	gray
1.5M	3pins	0.34mm ²	M12A03/FA2/BN/OE/02/1500	M12A03/FA2/BN/OE/07/1500	M12A03/FA2/BN/OE/22/1500	M12A03/FA2/BN/OE/27/1500
	4pins	0.34mm ²	M12A04/FA2/BN/OE/02/1500	M12A04/FA2/BN/OE/07/1500	M12A04/FA2/BN/OE/22/1500	M12A04/FA2/BN/OE/27/1500
	5pins	0.34mm ²	M12A05/FA2/BN/OE/02/1500	M12A05/FA2/BN/OE/07/1500	M12A05/FA2/BN/OE/22/1500	M12A05/FA2/BN/OE/27/1500
3.0M	3pins	0.34mm ²	M12A03/FA2/BN/OE/02/3000	M12A03/FA2/BN/OE/07/3000	M12A03/FA2/BN/OE/22/3000	M12A03/FA2/BN/OE/27/3000
	4pins	0.34mm ²	M12A04/FA2/BN/OE/02/3000	M12A04/FA2/BN/OE/07/3000	M12A04/FA2/BN/OE/22/3000	M12A04/FA2/BN/OE/27/3000
	5pins	0.34mm ²	M12A05/FA2/BN/OE/02/3000	M12A05/FA2/BN/OE/07/3000	M12A05/FA2/BN/OE/22/3000	M12A05/FA2/BN/OE/27/3000
5.0M	3pins	0.34mm ²	M12A03/FA2/BN/OE/02/5000	M12A03/FA2/BN/OE/07/5000	M12A03/FA2/BN/OE/22/5000	M12A03/FA2/BN/OE/27/5000
	4pins	0.34mm ²	M12A04/FA2/BN/OE/02/5000	M12A04/FA2/BN/OE/07/5000	M12A04/FA2/BN/OE/22/5000	M12A04/FA2/BN/OE/27/5000
	5pins	0.34mm ²	M12A05/FA2/BN/OE/02/5000	M12A05/FA2/BN/OE/07/5000	M12A05/FA2/BN/OE/22/5000	M12A05/FA2/BN/OE/27/5000
7.5M	3pins	0.34mm ²	M12A03/FA2/BN/OE/02/7500	M12A03/FA2/BN/OE/07/7500	M12A03/FA2/BN/OE/22/7500	M12A03/FA2/BN/OE/27/7500
	4pins	0.34mm ²	M12A04/FA2/BN/OE/02/7500	M12A04/FA2/BN/OE/07/7500	M12A04/FA2/BN/OE/22/7500	M12A04/FA2/BN/OE/27/7500
	5pins	0.34mm ²	M12A05/FA2/BN/OE/02/7500	M12A05/FA2/BN/OE/07/7500	M12A05/FA2/BN/OE/22/7500	M12A05/FA2/BN/OE/27/7500
10M	3pins	0.34mm ²	M12A03/FA2/BN/OE/02/10M0	M12A03/FA2/BN/OE/07/10M0	M12A03/FA2/BN/OE/22/10M0	M12A03/FA2/BN/OE/27/10M0
	4pins	0.34mm ²	M12A04/FA2/BN/OE/02/10M0	M12A04/FA2/BN/OE/07/10M0	M12A04/FA2/BN/OE/22/10M0	M12A04/FA2/BN/OE/27/10M0
	5pins	0.34mm ²	M12A05/FA2/BN/OE/02/10M0	M12A05/FA2/BN/OE/07/10M0	M12A05/FA2/BN/OE/22/10M0	M12A05/FA2/BN/OE/27/10M0

Specifications

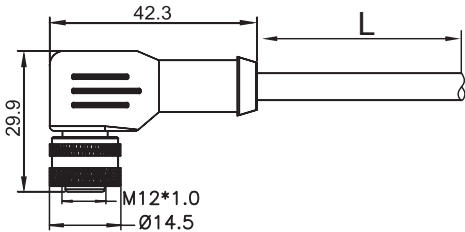
Number of contacts	3	4	5
Rated voltage	250V		60V
Rated current (40°C)	4A		
Protection degree	IP67/IP68		
Operating temperature	-25°C ~ +80°C		
Cable OD	4.5~5.0mm	4.6~6.0mm	5.8~6.0mm

Female cable (90°)

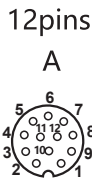
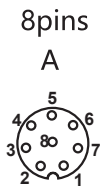
Product figure



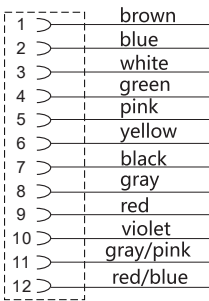
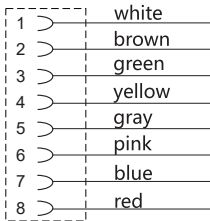
Scale diagram



Contact layout (Front view)



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC		PUR	
			black	gray	black	gray
1.5M	8pins	0.25mm ²	M12A08/FA2/BN/OE/01/1500	M12A08/FA2/BN/OE/06/1500	M12A08/FA2/BN/OE/21/1500	M12A08/FA2/BN/OE/26/1500
	12pins	0.14mm ²	M12A12/FA2/BN/OE/00/1500	M12A12/FA2/BN/OE/05/1500	M12A12/FA2/BN/OE/20/1500	M12A12/FA2/BN/OE/25/1500
3.0M	8pins	0.25mm ²	M12A08/FA2/BN/OE/01/3000	M12A08/FA2/BN/OE/06/3000	M12A08/FA2/BN/OE/21/3000	M12A08/FA2/BN/OE/26/3000
	12pins	0.14mm ²	M12A12/FA2/BN/OE/00/3000	M12A12/FA2/BN/OE/05/3000	M12A12/FA2/BN/OE/20/3000	M12A12/FA2/BN/OE/25/3000
5.0M	8pins	0.25mm ²	M12A08/FA2/BN/OE/01/5000	M12A08/FA2/BN/OE/06/5000	M12A08/FA2/BN/OE/21/5000	M12A08/FA2/BN/OE/26/5000
	12pins	0.14mm ²	M12A12/FA2/BN/OE/00/5000	M12A12/FA2/BN/OE/05/5000	M12A12/FA2/BN/OE/20/5000	M12A12/FA2/BN/OE/25/5000
7.5M	8pins	0.25mm ²	M12A08/FA2/BN/OE/01/7500	M12A08/FA2/BN/OE/06/7500	M12A08/FA2/BN/OE/21/7500	M12A08/FA2/BN/OE/26/7500
	12pins	0.14mm ²	M12A12/FA2/BN/OE/00/7500	M12A12/FA2/BN/OE/05/7500	M12A12/FA2/BN/OE/20/7500	M12A12/FA2/BN/OE/25/7500
10M	8pins	0.25mm ²	M12A08/FA2/BN/OE/01/10M0	M12A08/FA2/BN/OE/06/10M0	M12A08/FA2/BN/OE/21/10M0	M12A08/FA2/BN/OE/26/10M0
	12pins	0.14mm ²	M12A12/FA2/BN/OE/00/10M0	M12A12/FA2/BN/OE/05/10M0	M12A12/FA2/BN/OE/20/10M0	M12A12/FA2/BN/OE/25/10M0

Specifications

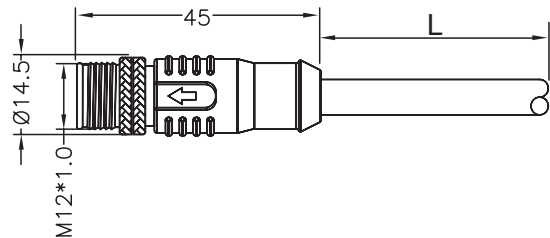
Number of contacts	8	12
Rated voltage	30V	
Rated current (40°C)	2A	1.5A
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	6.5mm	6.5~7.0mm

Male cable (with shield)

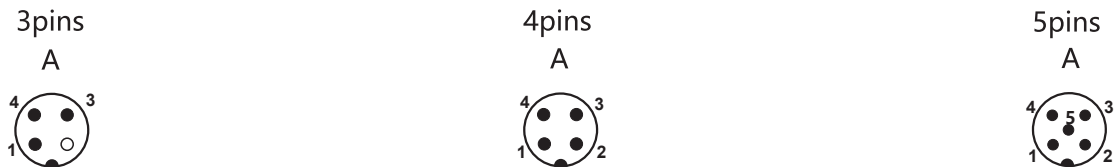
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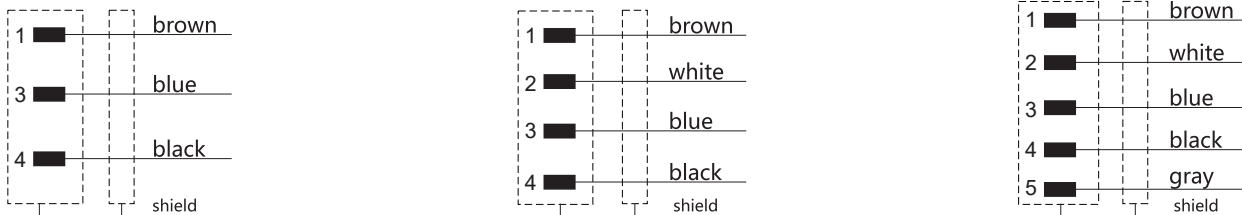
Scale diagram



Contact layout (Front view)



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC+AEB		PUR+AEB	
			black	gray	black	gray
1.5M	3pins	0.34mm ²	M12A03/MB4/BN/OE/32/1500	M12A03/MB4/BN/OE/37/1500	M12A03/MB4/BN/OE/42/1500	M12A03/MB4/BN/OE/47/1500
	4pins	0.34mm ²	M12A04/MB4/BN/OE/32/1500	M12A04/MB4/BN/OE/37/1500	M12A04/MB4/BN/OE/42/1500	M12A04/MB4/BN/OE/47/1500
	5pins	0.34mm ²	M12A05/MB4/BN/OE/32/1500	M12A05/MB4/BN/OE/37/1500	M12A05/MB4/BN/OE/42/1500	M12A05/MB4/BN/OE/47/1500
3.0M	3pins	0.34mm ²	M12A03/MB4/BN/OE/32/3000	M12A03/MB4/BN/OE/37/3000	M12A03/MB4/BN/OE/42/3000	M12A03/MB4/BN/OE/47/3000
	4pins	0.34mm ²	M12A04/MB4/BN/OE/32/3000	M12A04/MB4/BN/OE/37/3000	M12A04/MB4/BN/OE/42/3000	M12A04/MB4/BN/OE/47/3000
	5pins	0.34mm ²	M12A05/MB4/BN/OE/32/3000	M12A05/MB4/BN/OE/37/3000	M12A05/MB4/BN/OE/42/3000	M12A05/MB4/BN/OE/47/3000
5.0M	3pins	0.34mm ²	M12A03/MB4/BN/OE/32/5000	M12A03/MB4/BN/OE/37/5000	M12A03/MB4/BN/OE/42/5000	M12A03/MB4/BN/OE/47/5000
	4pins	0.34mm ²	M12A04/MB4/BN/OE/32/5000	M12A04/MB4/BN/OE/37/5000	M12A04/MB4/BN/OE/42/5000	M12A04/MB4/BN/OE/47/5000
	5pins	0.34mm ²	M12A05/MB4/BN/OE/32/5000	M12A05/MB4/BN/OE/37/5000	M12A05/MB4/BN/OE/42/5000	M12A05/MB4/BN/OE/47/5000
7.5M	3pins	0.34mm ²	M12A03/MB4/BN/OE/32/7500	M12A03/MB4/BN/OE/37/7500	M12A03/MB4/BN/OE/42/7500	M12A03/MB4/BN/OE/47/7500
	4pins	0.34mm ²	M12A04/MB4/BN/OE/32/7500	M12A04/MB4/BN/OE/37/7500	M12A04/MB4/BN/OE/42/7500	M12A04/MB4/BN/OE/47/7500
	5pins	0.34mm ²	M12A05/MB4/BN/OE/32/7500	M12A05/MB4/BN/OE/37/7500	M12A05/MB4/BN/OE/42/7500	M12A05/MB4/BN/OE/47/7500
10M	3pins	0.34mm ²	M12A03/MB4/BN/OE/32/10M0	M12A03/MB4/BN/OE/37/10M0	M12A03/MB4/BN/OE/42/10M0	M12A03/MB4/BN/OE/47/10M0
	4pins	0.34mm ²	M12A04/MB4/BN/OE/32/10M0	M12A04/MB4/BN/OE/37/10M0	M12A04/MB4/BN/OE/42/10M0	M12A04/MB4/BN/OE/47/10M0
	5pins	0.34mm ²	M12A05/MB4/BN/OE/32/10M0	M12A05/MB4/BN/OE/37/10M0	M12A05/MB4/BN/OE/42/10M0	M12A05/MB4/BN/OE/47/10M0

Specifications

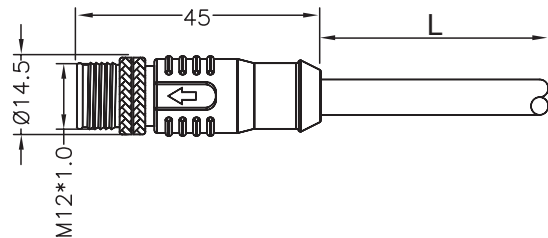
Number of contacts	3	4	5
Rated voltage	250V		60V
Rated current (40°C)	4A		
Protection degree	IP67/IP68		
Operating temperature	-25°C ~ +80°C		
Cable OD	4.6~5.0mm	5.0~6.0mm	6.0~7.0mm

Male cable (with shield)

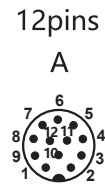
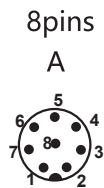
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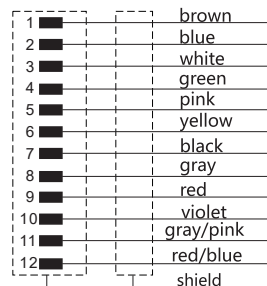
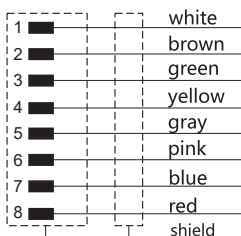
Scale diagram



Contact layout (Front view)



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC+AEB		PUR+AEB	
			black	gray	black	gray
1.5M	8pins	0.25mm ²	M12A08/MB4/BN/OE/31/1500	M12A08/MB4/BN/OE/36/1500	M12A08/MB4/BN/OE/41/1500	M12A08/MB4/BN/OE/46/1500
	12pins	0.14mm ²	M12A12/MB4/BN/OE/30/1500	M12A12/MB4/BN/OE/35/1500	M12A12/MB4/BN/OE/40/1500	M12A12/MB4/BN/OE/45/1500
3.0M	8pins	0.25mm ²	M12A08/MB4/BN/OE/31/3000	M12A08/MB4/BN/OE/36/3000	M12A08/MB4/BN/OE/41/3000	M12A08/MB4/BN/OE/46/3000
	12pins	0.14mm ²	M12A12/MB4/BN/OE/30/3000	M12A12/MB4/BN/OE/35/3000	M12A12/MB4/BN/OE/40/3000	M12A12/MB4/BN/OE/45/3000
5.0M	8pins	0.25mm ²	M12A08/MB4/BN/OE/31/5000	M12A08/MB4/BN/OE/36/5000	M12A08/MB4/BN/OE/41/5000	M12A08/MB4/BN/OE/46/5000
	12pins	0.14mm ²	M12A12/MB4/BN/OE/30/5000	M12A12/MB4/BN/OE/35/5000	M12A12/MB4/BN/OE/40/5000	M12A12/MB4/BN/OE/45/5000
7.5M	8pins	0.25mm ²	M12A08/MB4/BN/OE/31/7500	M12A08/MB4/BN/OE/36/7500	M12A08/MB4/BN/OE/41/7500	M12A08/MB4/BN/OE/46/7500
	12pins	0.14mm ²	M12A12/MB4/BN/OE/30/7500	M12A12/MB4/BN/OE/35/7500	M12A12/MB4/BN/OE/40/7500	M12A12/MB4/BN/OE/45/7500
10M	8pins	0.25mm ²	M12A08/MB4/BN/OE/31/10M0	M12A08/MB4/BN/OE/36/10M0	M12A08/MB4/BN/OE/41/10M0	M12A08/MB4/BN/OE/46/10M0
	12pins	0.14mm ²	M12A12/MB4/BN/OE/30/10M0	M12A12/MB4/BN/OE/35/10M0	M12A12/MB4/BN/OE/40/10M0	M12A12/MB4/BN/OE/45/10M0

Specifications

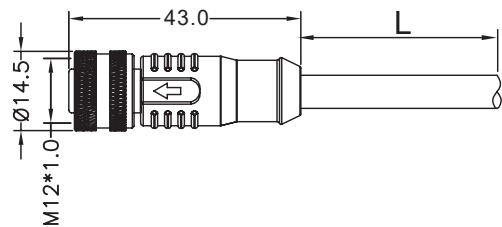
Number of contacts	8	12
Rated voltage	30V	
Rated current (40°C)	2A	1.5A
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	5.5~6.0mm	7.0mm

Female cable (with shield)

Product figure



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A

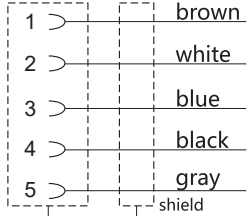
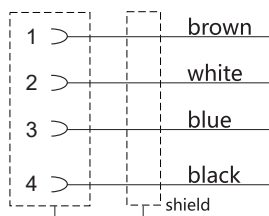
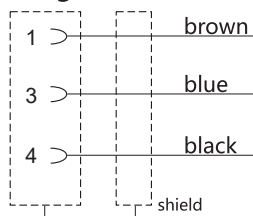


5pins

A



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC+AEB		PUR+AEB	
			black	gray	black	gray
1.5M	3pins	0.34mm ²	M12A03/FB4/BN/OE/32/1500	M12A03/FB4/BN/OE/37/1500	M12A03/FB4/BN/OE/42/1500	M12A03/FB4/BN/OE/47/1500
	4pins	0.34mm ²	M12A04/FB4/BN/OE/32/1500	M12A04/FB4/BN/OE/37/1500	M12A04/FB4/BN/OE/42/1500	M12A04/FB4/BN/OE/47/1500
	5pins	0.34mm ²	M12A05/FB4/BN/OE/32/1500	M12A05/FB4/BN/OE/37/1500	M12A05/FB4/BN/OE/42/1500	M12A05/FB4/BN/OE/47/1500
3.0M	3pins	0.34mm ²	M12A03/FB4/BN/OE/32/3000	M12A03/FB4/BN/OE/37/3000	M12A03/FB4/BN/OE/42/3000	M12A03/FB4/BN/OE/47/3000
	4pins	0.34mm ²	M12A04/FB4/BN/OE/32/3000	M12A04/FB4/BN/OE/37/3000	M12A04/FB4/BN/OE/42/3000	M12A04/FB4/BN/OE/47/3000
	5pins	0.34mm ²	M12A05/FB4/BN/OE/32/3000	M12A05/FB4/BN/OE/37/3000	M12A05/FB4/BN/OE/42/3000	M12A05/FB4/BN/OE/47/3000
5.0M	3pins	0.34mm ²	M12A03/FB4/BN/OE/32/5000	M12A03/FB4/BN/OE/37/5000	M12A03/FB4/BN/OE/42/5000	M12A03/FB4/BN/OE/47/5000
	4pins	0.34mm ²	M12A04/FB4/BN/OE/32/5000	M12A04/FB4/BN/OE/37/5000	M12A04/FB4/BN/OE/42/5000	M12A04/FB4/BN/OE/47/5000
	5pins	0.34mm ²	M12A05/FB4/BN/OE/32/5000	M12A05/FB4/BN/OE/37/5000	M12A05/FB4/BN/OE/42/5000	M12A05/FB4/BN/OE/47/5000
7.5M	3pins	0.34mm ²	M12A03/FB4/BN/OE/32/7500	M12A03/FB4/BN/OE/37/7500	M12A03/FB4/BN/OE/42/7500	M12A03/FB4/BN/OE/47/7500
	4pins	0.34mm ²	M12A04/FB4/BN/OE/32/7500	M12A04/FB4/BN/OE/37/7500	M12A04/FB4/BN/OE/42/7500	M12A04/FB4/BN/OE/47/7500
	5pins	0.34mm ²	M12A05/FB4/BN/OE/32/7500	M12A05/FB4/BN/OE/37/7500	M12A05/FB4/BN/OE/42/7500	M12A05/FB4/BN/OE/47/7500
10M	3pins	0.34mm ²	M12A03/FB4/BN/OE/32/10M0	M12A03/FB4/BN/OE/37/10M0	M12A03/FB4/BN/OE/42/10M0	M12A03/FB4/BN/OE/47/10M0
	4pins	0.34mm ²	M12A04/FB4/BN/OE/32/10M0	M12A04/FB4/BN/OE/37/10M0	M12A04/FB4/BN/OE/42/10M0	M12A04/FB4/BN/OE/47/10M0
	5pins	0.34mm ²	M12A05/FB4/BN/OE/32/10M0	M12A05/FB4/BN/OE/37/10M0	M12A05/FB4/BN/OE/42/10M0	M12A05/FB4/BN/OE/47/10M0

Specifications

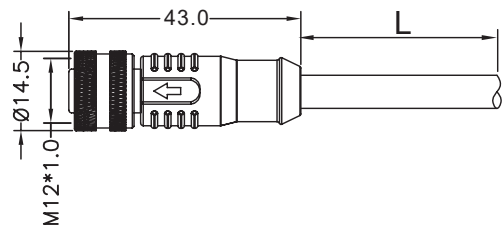
Number of contacts	3	4	5
Rated voltage	250V		60V
Rated current (40°C)	4A		
Protection degree	IP67/IP68		
Operating temperature	-25°C ~ +80°C		
Cable OD	4.6~5.0mm	5.0~6.0mm	6.0~7.0mm

Female cable (with shield)

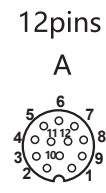
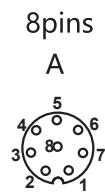
Product figure



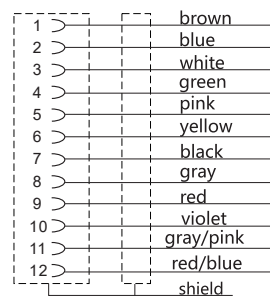
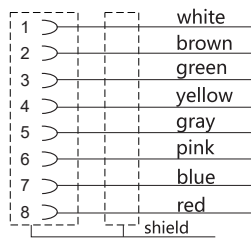
Scale diagram



Contact layout (Front view)



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC+AEB		PUR+AEB	
			black	gray	black	gray
1.5M	8pins	0.25mm ²	M12A08/FB4/BN/OE/31/1500	M12A08/FB4/BN/OE/36/1500	M12A08/FB4/BN/OE/41/1500	M12A08/FB4/BN/OE/46/1500
	12pins	0.14mm ²	M12A12/FB4/BN/OE/30/1500	M12A12/FB4/BN/OE/35/1500	M12A12/FB4/BN/OE/40/1500	M12A12/FB4/BN/OE/45/1500
3.0M	8pins	0.25mm ²	M12A08/FB4/BN/OE/31/3000	M12A08/FB4/BN/OE/36/3000	M12A08/FB4/BN/OE/41/3000	M12A08/FB4/BN/OE/46/3000
	12pins	0.14mm ²	M12A12/FB4/BN/OE/30/3000	M12A12/FB4/BN/OE/35/3000	M12A12/FB4/BN/OE/40/3000	M12A12/FB4/BN/OE/45/3000
5.0M	8pins	0.25mm ²	M12A08/FB4/BN/OE/31/5000	M12A08/FB4/BN/OE/36/5000	M12A08/FB4/BN/OE/41/5000	M12A08/FB4/BN/OE/46/5000
	12pins	0.14mm ²	M12A12/FB4/BN/OE/30/5000	M12A12/FB4/BN/OE/35/5000	M12A12/FB4/BN/OE/40/5000	M12A12/FB4/BN/OE/45/5000
7.5M	8pins	0.25mm ²	M12A08/FB4/BN/OE/31/7500	M12A08/FB4/BN/OE/36/7500	M12A08/FB4/BN/OE/41/7500	M12A08/FB4/BN/OE/46/7500
	12pins	0.14mm ²	M12A12/FB4/BN/OE/30/7500	M12A12/FB4/BN/OE/35/7500	M12A12/FB4/BN/OE/40/7500	M12A12/FB4/BN/OE/45/7500
10M	8pins	0.25mm ²	M12A08/FB4/BN/OE/31/10M0	M12A08/FB4/BN/OE/36/10M0	M12A08/FB4/BN/OE/41/10M0	M12A08/FB4/BN/OE/46/10M0
	12pins	0.14mm ²	M12A12/FB4/BN/OE/30/10M0	M12A12/FB4/BN/OE/35/10M0	M12A12/FB4/BN/OE/40/10M0	M12A12/FB4/BN/OE/45/10M0

Specifications

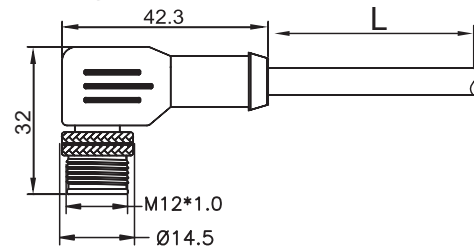
Number of contacts	8	12
Rated voltage	30V	
Rated current (40°C)	2A	1.5A
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	5.5~6.0mm	7.0mm

Male cable (90° with shield)

Product figure



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A

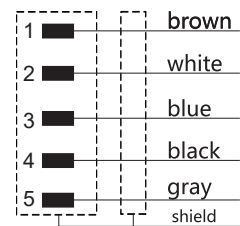
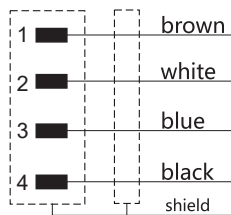
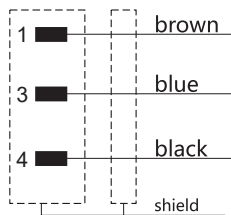


5pins

A



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC+AEB		PUR+AEB	
			black	gray	black	gray
1.5M	3pins	0.34mm ²	M12A03/MB5/BN/OE/32/1500	M12A03/MB5/BN/OE/37/1500	M12A03/MB5/BN/OE/42/1500	M12A03/MB5/BN/OE/47/1500
	4pins	0.34mm ²	M12A04/MB5/BN/OE/32/1500	M12A04/MB5/BN/OE/37/1500	M12A04/MB5/BN/OE/42/1500	M12A04/MB5/BN/OE/47/1500
	5pins	0.34mm ²	M12A05/MB5/BN/OE/32/1500	M12A05/MB5/BN/OE/37/1500	M12A05/MB5/BN/OE/42/1500	M12A05/MB5/BN/OE/47/1500
3.0M	3pins	0.34mm ²	M12A03/MB5/BN/OE/32/3000	M12A03/MB5/BN/OE/37/3000	M12A03/MB5/BN/OE/42/3000	M12A03/MB5/BN/OE/47/3000
	4pins	0.34mm ²	M12A04/MB5/BN/OE/32/3000	M12A04/MB5/BN/OE/37/3000	M12A04/MB5/BN/OE/42/3000	M12A04/MB5/BN/OE/47/3000
	5pins	0.34mm ²	M12A05/MB5/BN/OE/32/3000	M12A05/MB5/BN/OE/37/3000	M12A05/MB5/BN/OE/42/3000	M12A05/MB5/BN/OE/47/3000
5.0M	3pins	0.34mm ²	M12A03/MB5/BN/OE/32/5000	M12A03/MB5/BN/OE/37/5000	M12A03/MB5/BN/OE/42/5000	M12A03/MB5/BN/OE/47/5000
	4pins	0.34mm ²	M12A04/MB5/BN/OE/32/5000	M12A04/MB5/BN/OE/37/5000	M12A04/MB5/BN/OE/42/5000	M12A04/MB5/BN/OE/47/5000
	5pins	0.34mm ²	M12A05/MB5/BN/OE/32/5000	M12A05/MB5/BN/OE/37/5000	M12A05/MB5/BN/OE/42/5000	M12A05/MB5/BN/OE/47/5000
7.5M	3pins	0.34mm ²	M12A03/MB5/BN/OE/32/7500	M12A03/MB5/BN/OE/37/7500	M12A03/MB5/BN/OE/42/7500	M12A03/MB5/BN/OE/47/7500
	4pins	0.34mm ²	M12A04/MB5/BN/OE/32/7500	M12A04/MB5/BN/OE/37/7500	M12A04/MB5/BN/OE/42/7500	M12A04/MB5/BN/OE/47/7500
	5pins	0.34mm ²	M12A05/MB5/BN/OE/32/7500	M12A05/MB5/BN/OE/37/7500	M12A05/MB5/BN/OE/42/7500	M12A05/MB5/BN/OE/47/7500
10M	3pins	0.34mm ²	M12A03/MB5/BN/OE/32/10M0	M12A03/MB5/BN/OE/37/10M0	M12A03/MB5/BN/OE/42/10M0	M12A03/MB5/BN/OE/47/10M0
	4pins	0.34mm ²	M12A04/MB5/BN/OE/32/10M0	M12A04/MB5/BN/OE/37/10M0	M12A04/MB5/BN/OE/42/10M0	M12A04/MB5/BN/OE/47/10M0
	5pins	0.34mm ²	M12A05/MB5/BN/OE/32/10M0	M12A05/MB5/BN/OE/37/10M0	M12A05/MB5/BN/OE/42/10M0	M12A05/MB5/BN/OE/47/10M0

Specifications

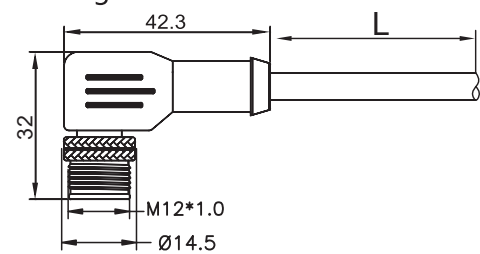
Number of contacts	3	4	5
Rated voltage	250V		60V
Rated current (40°C)	4A		
Protection degree	IP67/IP68		
Operating temperature	-25°C ~ +80°C		
Cable OD	4.6~5.0mm	5.0~6.0mm	6.0~7.0mm

Male cable (90° with shield)

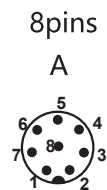
Product figure



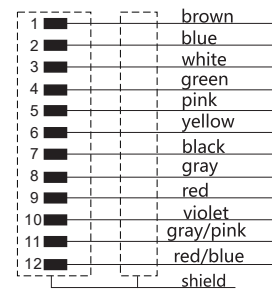
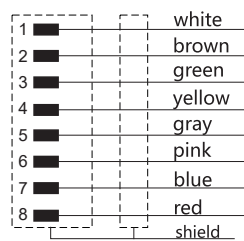
Scale diagram



Contact layout (Front view)



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC+AEB		PUR+AEB	
			black	gray	black	gray
1.5M	8pins	0.25mm ²	M12A08/MB5/BN/OE/31/1500	M12A08/MB5/BN/OE/36/1500	M12A08/MB5/BN/OE/41/1500	M12A08/MB5/BN/OE/46/1500
	12pins	0.14mm ²	M12A12/MB5/BN/OE/30/1500	M12A12/MB5/BN/OE/35/1500	M12A12/MB5/BN/OE/40/1500	M12A12/MB5/BN/OE/45/1500
3.0M	8pins	0.25mm ²	M12A08/MB5/BN/OE/31/3000	M12A08/MB5/BN/OE/36/3000	M12A08/MB5/BN/OE/41/3000	M12A08/MB5/BN/OE/46/3000
	12pins	0.14mm ²	M12A12/MB5/BN/OE/30/3000	M12A12/MB5/BN/OE/35/3000	M12A12/MB5/BN/OE/40/3000	M12A12/MB5/BN/OE/45/3000
5.0M	8pins	0.25mm ²	M12A08/MB5/BN/OE/31/5000	M12A08/MB5/BN/OE/36/5000	M12A08/MB5/BN/OE/41/5000	M12A08/MB5/BN/OE/46/5000
	12pins	0.14mm ²	M12A12/MB5/BN/OE/30/5000	M12A12/MB5/BN/OE/35/5000	M12A12/MB5/BN/OE/40/5000	M12A12/MB5/BN/OE/45/5000
7.5M	8pins	0.25mm ²	M12A08/MB5/BN/OE/31/7500	M12A08/MB5/BN/OE/36/7500	M12A08/MB5/BN/OE/41/7500	M12A08/MB5/BN/OE/46/7500
	12pins	0.14mm ²	M12A12/MB5/BN/OE/30/7500	M12A12/MB5/BN/OE/35/7500	M12A12/MB5/BN/OE/40/7500	M12A12/MB5/BN/OE/45/7500
10M	8pins	0.25mm ²	M12A08/MB5/BN/OE/31/10M0	M12A08/MB5/BN/OE/36/10M0	M12A08/MB5/BN/OE/41/10M0	M12A08/MB5/BN/OE/46/10M0
	12pins	0.14mm ²	M12A12/MB5/BN/OE/30/10M0	M12A12/MB5/BN/OE/35/10M0	M12A12/MB5/BN/OE/40/10M0	M12A12/MB5/BN/OE/45/10M0

Specifications

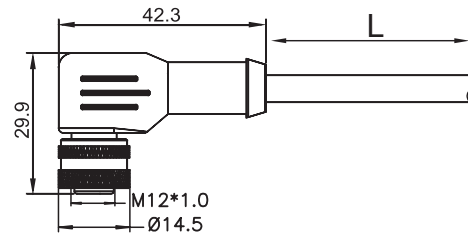
Number of contacts	8	12
Rated voltage	30V	
Rated current (40°C)	2A	1.5A
Protection degree	IP67/IP68	
Operating temperature	-25°C~+80°C	
Cable OD	5.5~6.0mm	7.0mm

Female cable (90° with shield)

Product figure



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A

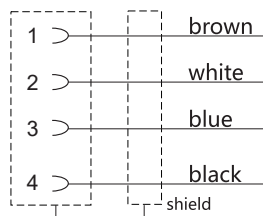
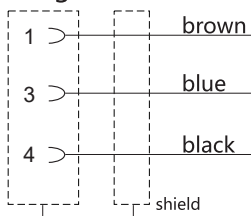


5pins

A



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC+AEB		PUR+AEB	
			black	gray	black	gray
1.5M	3pins	0.34mm ²	M12A03/FB5/BN/OE/32/1500	M12A03/FB5/BN/OE/37/1500	M12A03/FB5/BN/OE/42/1500	M12A03/FB5/BN/OE/47/1500
	4pins	0.34mm ²	M12A04/FB5/BN/OE/32/1500	M12A04/FB5/BN/OE/37/1500	M12A04/FB5/BN/OE/42/1500	M12A04/FB5/BN/OE/47/1500
	5pins	0.34mm ²	M12A05/FB5/BN/OE/32/1500	M12A05/FB5/BN/OE/37/1500	M12A05/FB5/BN/OE/42/1500	M12A05/FB5/BN/OE/47/1500
3.0M	3pins	0.34mm ²	M12A03/FB5/BN/OE/32/3000	M12A03/FB5/BN/OE/37/3000	M12A03/FB5/BN/OE/42/3000	M12A03/FB5/BN/OE/47/3000
	4pins	0.34mm ²	M12A04/FB5/BN/OE/32/3000	M12A04/FB5/BN/OE/37/3000	M12A04/FB5/BN/OE/42/3000	M12A04/FB5/BN/OE/47/3000
	5pins	0.34mm ²	M12A05/FB5/BN/OE/32/3000	M12A05/FB5/BN/OE/37/3000	M12A05/FB5/BN/OE/42/3000	M12A05/FB5/BN/OE/47/3000
5.0M	3pins	0.34mm ²	M12A03/FB5/BN/OE/32/5000	M12A03/FB5/BN/OE/37/5000	M12A03/FB5/BN/OE/42/5000	M12A03/FB5/BN/OE/47/5000
	4pins	0.34mm ²	M12A04/FB5/BN/OE/32/5000	M12A04/FB5/BN/OE/37/5000	M12A04/FB5/BN/OE/42/5000	M12A04/FB5/BN/OE/47/5000
	5pins	0.34mm ²	M12A05/FB5/BN/OE/32/5000	M12A05/FB5/BN/OE/37/5000	M12A05/FB5/BN/OE/42/5000	M12A05/FB5/BN/OE/47/5000
7.5M	3pins	0.34mm ²	M12A03/FB5/BN/OE/32/7500	M12A03/FB5/BN/OE/37/7500	M12A03/FB5/BN/OE/42/7500	M12A03/FB5/BN/OE/47/7500
	4pins	0.34mm ²	M12A04/FB5/BN/OE/32/7500	M12A04/FB5/BN/OE/37/7500	M12A04/FB5/BN/OE/42/7500	M12A04/FB5/BN/OE/47/7500
	5pins	0.34mm ²	M12A05/FB5/BN/OE/32/7500	M12A05/FB5/BN/OE/37/7500	M12A05/FB5/BN/OE/42/7500	M12A05/FB5/BN/OE/47/7500
10M	3pins	0.34mm ²	M12A03/FB5/BN/OE/32/10M0	M12A03/FB5/BN/OE/37/10M0	M12A03/FB5/BN/OE/42/10M0	M12A03/FB5/BN/OE/47/10M0
	4pins	0.34mm ²	M12A04/FB5/BN/OE/32/10M0	M12A04/FB5/BN/OE/37/10M0	M12A04/FB5/BN/OE/42/10M0	M12A04/FB5/BN/OE/47/10M0
	5pins	0.34mm ²	M12A05/FB5/BN/OE/32/10M0	M12A05/FB5/BN/OE/37/10M0	M12A05/FB5/BN/OE/42/10M0	M12A05/FB5/BN/OE/47/10M0

Specifications

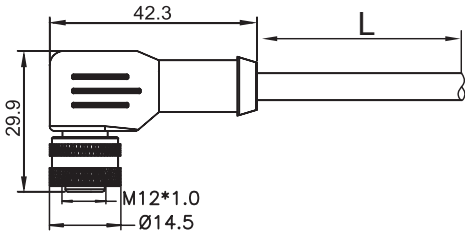
Number of contacts	3	4	5
Rated voltage	250V		60V
Rated current (40°C)	4A		
Protection degree	IP67/IP68		
Operating temperature	-25°C ~ +80°C		
Cable OD	4.6~5.0mm	5.0~6.0mm	6.0~7.0mm

Female cable (90° with shield)

Product figure



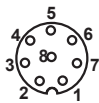
Scale diagram



Contact layout (Front view)

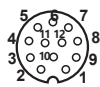
8pins

A

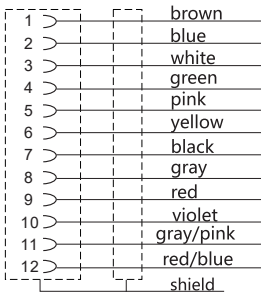
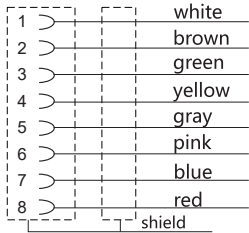


12pins

A



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC+AEB		PUR+AEB	
			black	gray	black	gray
1.5M	8pins	0.25mm ²	M12A08/FB5/BN/OE/31/1500	M12A08/FB5/BN/OE/36/1500	M12A08/FB5/BN/OE/41/1500	M12A08/FB5/BN/OE/46/1500
	12pins	0.14mm ²	M12A12/FB5/BN/OE/30/1500	M12A12/FB5/BN/OE/35/1500	M12A12/FB5/BN/OE/40/1500	M12A12/FB5/BN/OE/45/1500
3.0M	8pins	0.25mm ²	M12A08/FB5/BN/OE/31/3000	M12A08/FB5/BN/OE/36/3000	M12A08/FB5/BN/OE/41/3000	M12A08/FB5/BN/OE/46/3000
	12pins	0.14mm ²	M12A12/FB5/BN/OE/30/3000	M12A12/FB5/BN/OE/35/3000	M12A12/FB5/BN/OE/40/3000	M12A12/FB5/BN/OE/45/3000
5.0M	8pins	0.25mm ²	M12A08/FB5/BN/OE/31/5000	M12A08/FB5/BN/OE/36/5000	M12A08/FB5/BN/OE/41/5000	M12A08/FB5/BN/OE/46/5000
	12pins	0.14mm ²	M12A12/FB5/BN/OE/30/5000	M12A12/FB5/BN/OE/35/5000	M12A12/FB5/BN/OE/40/5000	M12A12/FB5/BN/OE/45/5000
7.5M	8pins	0.25mm ²	M12A08/FB5/BN/OE/31/7500	M12A08/FB5/BN/OE/36/7500	M12A08/FB5/BN/OE/41/7500	M12A08/FB5/BN/OE/46/7500
	12pins	0.14mm ²	M12A12/FB5/BN/OE/30/7500	M12A12/FB5/BN/OE/35/7500	M12A12/FB5/BN/OE/40/7500	M12A12/FB5/BN/OE/45/7500
10M	8pins	0.25mm ²	M12A08/FB5/BN/OE/31/10M0	M12A08/FB5/BN/OE/36/10M0	M12A08/FB5/BN/OE/41/10M0	M12A08/FB5/BN/OE/46/10M0
	12pins	0.14mm ²	M12A12/FB5/BN/OE/30/10M0	M12A12/FB5/BN/OE/35/10M0	M12A12/FB5/BN/OE/40/10M0	M12A12/FB5/BN/OE/45/10M0

Specifications

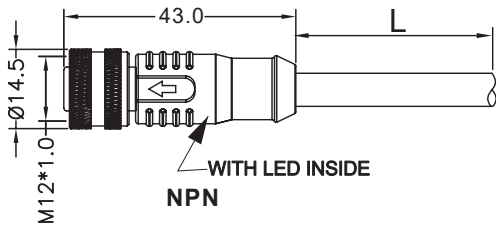
Number of contacts	8	12
Rated voltage	30V	
Rated current (40°C)	2A	1.5A
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	5.5~6.0mm	7.0mm

Female cable (with LED NPN)

Product figure



Scale diagram



Contact layout (Front view)

3pins

A

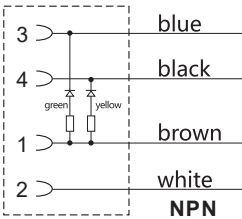
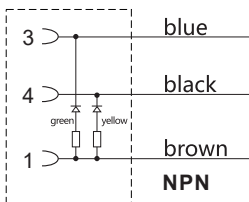


4pins

A



Circuit diagram



Order No

Cable length	Contacts	0.34mm ²
1.5M	3pins	M12A03/FA7/BN/O1/02/1500
	4pins	M12A04/FA7/BN/O2/02/10M0
3.0M	3pins	M12A03/FA7/BN/O1/02/3000
	4pins	M12A04/FA7/BN/O2/02/3000
5.0M	3pins	M12A03/FA7/BN/O1/02/5000
	4pins	M12A04/FA7/BN/O2/02/5000
7.5M	3pins	M12A03/FA7/BN/O1/02/7500
	4pins	M12A04/FA7/BN/O2/02/7500
10M	3pins	M12A03/FA7/BN/O1/02/10M0
	4pins	M12A04/FA7/BN/O2/02/10M0

Specifications

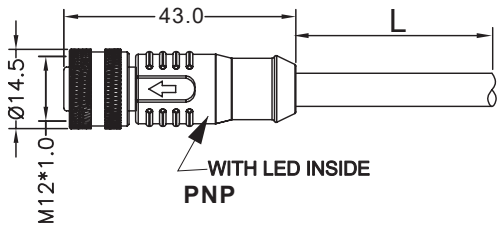
Number of contacts	3	4
Rated voltage	250V	
Rated current (40°C)	4A	
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	4.6~5.0mm	4.6~6.0mm

Female cable (with LED PNP)

Product figure



Scale diagram



Contact layout (Front view)

3pins

A

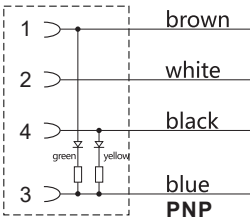
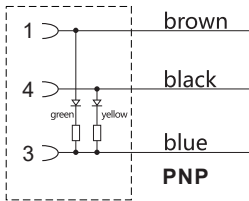


4pins

A



Circuit diagram



Order No

Cable length	Contacts	0.34mm ²
1.5M	3pins	M12A03/FA6/BN/O1/O2/1500
	4pins	M12A04/FA6/BN/O2/O2/1500
3.0M	3pins	M12A03/FA6/BN/O1/O2/3000
	4pins	M12A04/FA6/BN/O2/O2/3000
5.0M	3pins	M12A03/FA6/BN/O1/O2/5000
	4pins	M12A04/FA6/BN/O2/O2/5000
7.5M	3pins	M12A03/FA6/BN/O1/O2/7500
	4pins	M12A04/FA6/BN/O2/O2/7500
10M	3pins	M12A03/FA6/BN/O1/O2/10M0
	4pins	M12A04/FA6/BN/O2/O2/10M0

Specifications

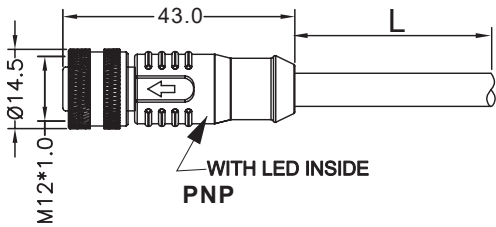
Number of contacts	3	4
Rated voltage	250V	
Rated current (40°C)	4A	
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	4.6~5.0mm	4.6~6.0mm

Female cable (with LED PNP)

Product figure



Scale diagram



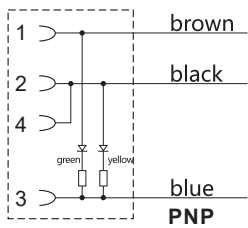
Contact layout (Front view)

4pins

A



Circuit diagram



Order No

Cable length	Contacts	0.34mm ²
1.5M	4pins	M12A04/FA6/BN/O3/02/1500
3.0M	4pins	M12A04/FA6/BN/O3/02/3000
5.0M	4pins	M12A04/FA6/BN/O3/02/5000
7.5M	4pins	M12A04/FA6/BN/O3/02/7500
10M	4pins	M12A04/FA6/BN/O3/02/10M0

Specifications

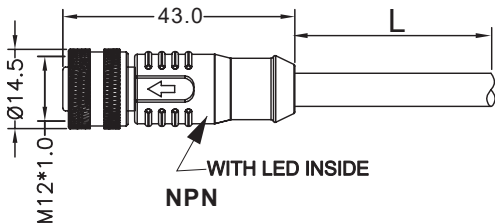
Number of contacts	4
Rated voltage	250V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	4.6~6.0mm

Female cable (with LED NPN)

Product figure



Scale diagram

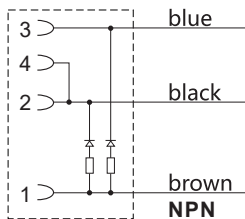


Contact layout (Front view)

4pins
A



Circuit diagram



Order No

Cable length	Contacts	0.34mm ²
1.5M	4pins	M12A04/FA7/BN/O3/02/1500
3.0M	4pins	M12A04/FA7/BN/O3/02/3000
5.0M	4pins	M12A04/FA7/BN/O3/02/5000
7.5M	4pins	M12A04/FA7/BN/O3/02/7500
10M	4pins	M12A04/FA7/BN/O3/02/10M0

Specifications

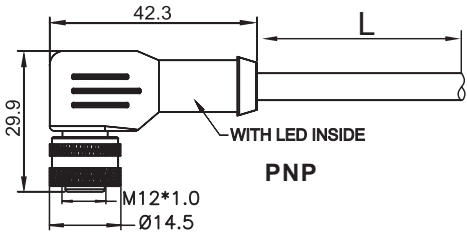
Number of contacts	4
Rated voltage	250V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	4.6~6.0mm

Female cable (90° with LED PNP)

Product figure



Scale diagram



Contact layout (Front view)

3pins

A

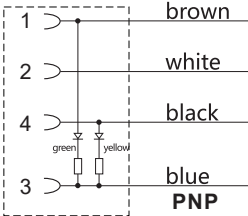
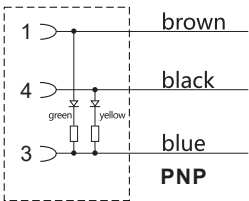


4pins

A



Circuit diagram



Order No

Cable length	Contacts	0.34mm ²
1.5M	3pins	M12A03/FA4/BN/O1/02/1500
	4pins	M12A04/FA4/BN/O2/02/1500
3.0M	3pins	M12A03/FA4/BN/O1/02/3000
	4pins	M12A04/FA4/BN/O2/02/3000
5.0M	3pins	M12A03/FA4/BN/O1/02/5000
	4pins	M12A04/FA4/BN/O2/02/5000
7.5M	3pins	M12A03/FA4/BN/O1/02/7500
	4pins	M12A04/FA4/BN/O2/02/7500
10M	3pins	M12A03/FA4/BN/O1/02/10M0
	4pins	M12A04/FA4/BN/O2/02/10M0

Specifications

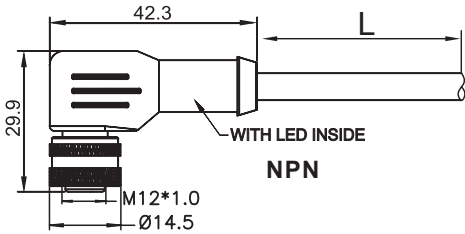
Number of contacts	3	4
Rated voltage	250V	
Rated current (40°C)	4A	
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	4.6~5.0mm	4.6~6.0mm

Female cable (90° with LED NPN)

Product figure



Scale diagram



Contact layout (Front view)

3pins

A

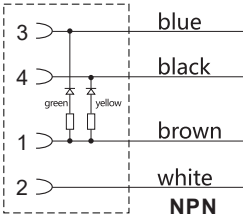
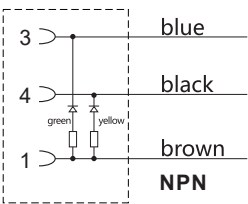


4pins

A



Circuit diagram



Order No

Cable length	Contacts	0.34mm ²
1.5M	3pins	M12A03/FA5/BN/O1/02/1500
	4pins	M12A04/FA5/BN/O2/02/1500
3.0M	3pins	M12A03/FA5/BN/O1/02/3000
	4pins	M12A04/FA5/BN/O2/02/3000
5.0M	3pins	M12A03/FA5/BN/O1/02/5000
	4pins	M12A04/FA5/BN/O2/02/5000
7.5M	3pins	M12A03/FA5/BN/O1/02/7500
	4pins	M12A04/FA5/BN/O2/02/7500
10M	3pins	M12A03/FA5/BN/O1/02/10M0
	4pins	M12A04/FA5/BN/O2/02/10M0

Specifications

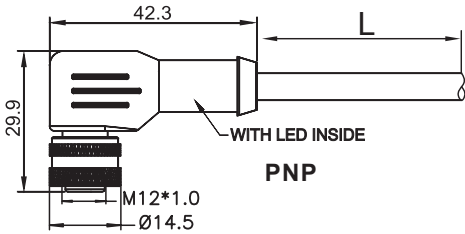
Number of contacts	3	4
Rated voltage	250V	
Rated current (40°C)	4A	
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	4.6~5.0mm	4.6~6.0mm

Female cable (90° with LED PNP)

Product figure



Scale diagram

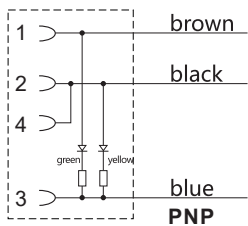


Contact layout (Front view)

4pins
A



Circuit diagram



Order No

Cable length	Contacts	0.34mm ²
1.5M	4pins	M12A04/FA4/BN/O3/02/1500
3.0M	4pins	M12A04/FA4/BN/O3/02/3000
5.0M	4pins	M12A04/FA4/BN/O3/02/5000
7.5M	4pins	M12A04/FA4/BN/O3/02/7500
10M	4pins	M12A04/FA4/BN/O3/02/10M0

Specifications

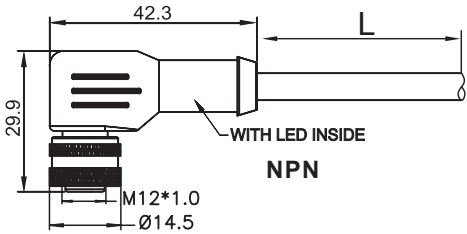
Number of contacts	4
Rated voltage	250V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	4.6~6.0mm

Female cable (90° with LED NPN)

Product figure



Scale diagram



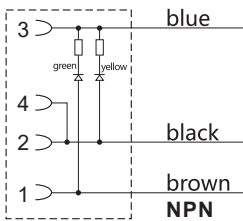
Contact layout (Front view)

4pins

A



Circuit diagram



Order No

Cable length	Contacts	0.34mm ²
1.5M	4pins	M12A04/FA5/BN/O3/02/1500
3.0M	4pins	M12A04/FA5/BN/O3/02/3000
5.0M	4pins	M12A04/FA5/BN/O3/02/5000
7.5M	4pins	M12A04/FA5/BN/O3/02/7500
10M	4pins	M12A04/FA5/BN/O3/02/10M0

Specifications

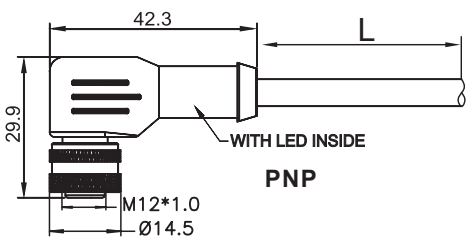
Number of contacts	4
Rated voltage	250V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	4.6~6.0mm

Female cable (90° with LED PNP)

Product figure



Scale diagram



Contact layout (Front view)

4pins

A

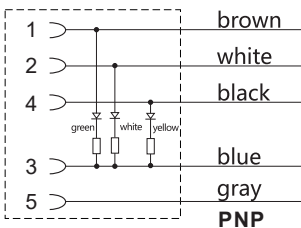
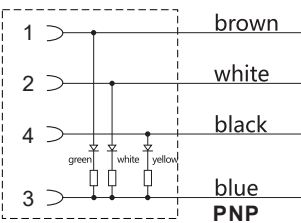


5pins

A



Circuit diagram



Order No

Cable length	Contacts	0.34mm ²
1.5M	4pins	M12A04/FB6/BN/O2/02/1500
	5pins	M12A05/FB6/BN/O4/02/1500
3.0M	4pins	M12A04/FB6/BN/O2/02/3000
	5pins	M12A05/FB6/BN/O4/02/3000
5.0M	4pins	M12A04/FB6/BN/O2/02/5000
	5pins	M12A05/FB6/BN/O4/02/5000
7.5M	4pins	M12A04/FB6/BN/O2/02/7500
	5pins	M12A05/FB6/BN/O4/02/7500
10M	4pins	M12A04/FB6/BN/O2/02/10M0
	5pins	M12A05/FB6/BN/O4/02/10M0

Specifications

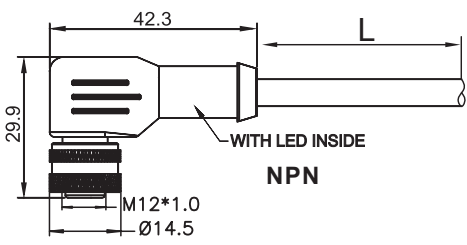
Number of contacts	4	5
Rated voltage	250V	60V
Rated current (40°C)	4A	
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	4.6~6.0mm	

Female cable (90° with LED NPN)

Product figure



Scale diagram



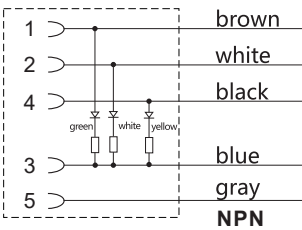
Contact layout (Front view)

5pins

A



Circuit diagram



Order No

Cable length	Contacts	0.34mm ²
1.5M	5pins	M12A05/FB7/BN/O4/02/1500
3.0M	5pins	M12A05/FB7/BN/O4/02/3000
5.0M	5pins	M12A05/FB7/BN/O4/02/5000
7.5M	5pins	M12A05/FB7/BN/O4/02/7500
10M	5pins	M12A05/FB7/BN/O4/02/10M0

Specifications

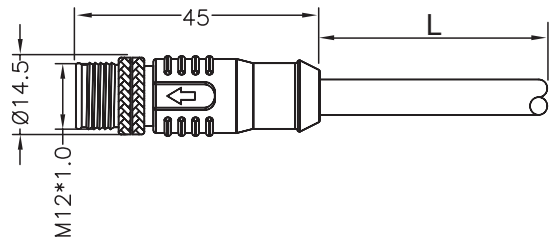
Number of contacts	4	5
Rated voltage	250V	60V
Rated current (40°C)	4A	
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	4.6~6.0mm	

Male cable (C-coded)

Product figure



Scale diagram

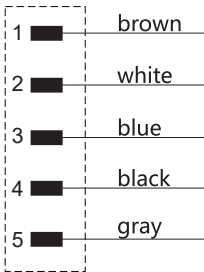


Contact layout (Front view)

5pins
C



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC		PUR	
			black	gray	black	gray
1.5M	5pins	0.34mm ²	M12C05/MA3/BN/OE/02/1500	M12C05/MA3/BN/OE/07/1500	M12C05/MA3/BN/OE/22/1500	M12C05/MA3/BN/OE/27/1500
3.0M	5pins	0.34mm ²	M12C05/MA3/BN/OE/02/3000	M12C05/MA3/BN/OE/07/3000	M12C05/MA3/BN/OE/22/3000	M12C05/MA3/BN/OE/27/3000
5.0M	5pins	0.34mm ²	M12C05/MA3/BN/OE/02/5000	M12C05/MA3/BN/OE/07/5000	M12C05/MA3/BN/OE/22/5000	M12C05/MA3/BN/OE/27/5000
7.5M	5pins	0.34mm ²	M12C05/MA3/BN/OE/02/7500	M12C05/MA3/BN/OE/07/7500	M12C05/MA3/BN/OE/22/7500	M12C05/MA3/BN/OE/27/7500
10M	5pins	0.34mm ²	M12C05/MA3/BN/OE/02/10M0	M12C05/MA3/BN/OE/07/10M0	M12C05/MA3/BN/OE/22/10M0	M12C05/MA3/BN/OE/27/10M0

Specifications

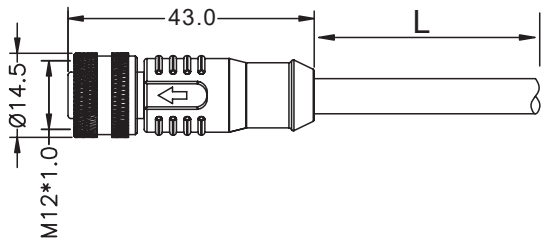
Number of contacts	5
Rated voltage	60V
Rated current (40°C)	2A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	5.8~6.0mm

Female cable (C-coded)

Product figure



Scale diagram



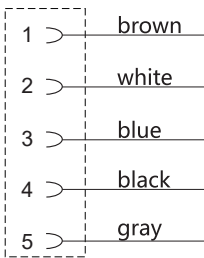
Contact layout (Front view)

5pins

C



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC		PUR	
			black	gray	black	gray
1.5M	5pins	0.34mm ²	M12C05/FA3/BN/OE/02/1500	M12C05/FA3/BN/OE/07/1500	M12C05/FA3/BN/OE/22/1500	M12C05/FA3/BN/OE/27/1500
3.0M	5pins	0.34mm ²	M12C05/FA3/BN/OE/02/3000	M12C05/FA3/BN/OE/07/3000	M12C05/FA3/BN/OE/22/3000	M12C05/FA3/BN/OE/27/3000
5.0M	5pins	0.34mm ²	M12C05/FA3/BN/OE/02/5000	M12C05/FA3/BN/OE/07/5000	M12C05/FA3/BN/OE/22/5000	M12C05/FA3/BN/OE/27/5000
7.5M	5pins	0.34mm ²	M12C05/FA3/BN/OE/02/7500	M12C05/FA3/BN/OE/07/7500	M12C05/FA3/BN/OE/22/7500	M12C05/FA3/BN/OE/27/7500
10M	5pins	0.34mm ²	M12C05/FA3/BN/OE/02/10M0	M12C05/FA3/BN/OE/07/10M0	M12C05/FA3/BN/OE/22/10M0	M12C05/FA3/BN/OE/27/10M0

Specifications

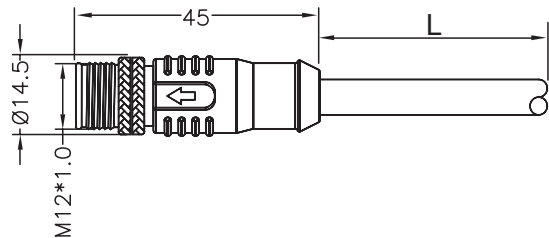
Number of contacts	5
Rated voltage	60V
Rated current (40°C)	2A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	5.8~6.0mm

Male cable (S-coded)

Product figure



Scale diagram



Contact layout (Front view)

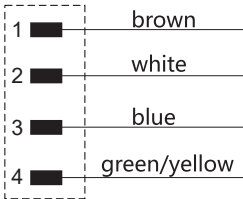
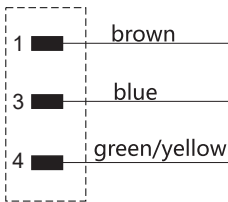
3pins
S



4pins
S



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC		PUR	
			black	gray	black	gray
1.5M	3pins	1.5mm ²	M12S03/MA3/BN/OE/04/1500	M12S03/MA3/BN/OE/09/1500	M12S03/MA3/BN/OE/24/1500	M12S03/MA3/BN/OE/29/1500
	4pins	1.5mm ²	M12S04/MA3/BN/OE/04/1500	M12S04/MA3/BN/OE/09/1500	M12S04/MA3/BN/OE/24/1500	M12S04/MA3/BN/OE/29/1500
3.0M	3pins	1.5mm ²	M12S03/MA3/BN/OE/04/3000	M12S03/MA3/BN/OE/09/3000	M12S03/MA3/BN/OE/24/3000	M12S03/MA3/BN/OE/29/3000
	4pins	1.5mm ²	M12S04/MA3/BN/OE/04/3000	M12S04/MA3/BN/OE/09/3000	M12S04/MA3/BN/OE/24/3000	M12S04/MA3/BN/OE/29/3000
5.0M	3pins	1.5mm ²	M12S03/MA3/BN/OE/04/5000	M12S03/MA3/BN/OE/09/5000	M12S03/MA3/BN/OE/24/5000	M12S03/MA3/BN/OE/29/5000
	4pins	1.5mm ²	M12S04/MA3/BN/OE/04/5000	M12S04/MA3/BN/OE/09/5000	M12S04/MA3/BN/OE/24/5000	M12S04/MA3/BN/OE/29/5000
7.5M	3pins	1.5mm ²	M12S03/MA3/BN/OE/04/7500	M12S03/MA3/BN/OE/09/7500	M12S03/MA3/BN/OE/24/7500	M12S03/MA3/BN/OE/29/7500
	4pins	1.5mm ²	M12S04/MA3/BN/OE/04/7500	M12S04/MA3/BN/OE/09/7500	M12S04/MA3/BN/OE/24/7500	M12S04/MA3/BN/OE/29/7500
10M	3pins	1.5mm ²	M12S03/MA3/BN/OE/04/10M0	M12S03/MA3/BN/OE/09/10M0	M12S03/MA3/BN/OE/24/10M0	M12S03/MA3/BN/OE/29/10M0
	4pins	1.5mm ²	M12S04/MA3/BN/OE/04/10M0	M12S04/MA3/BN/OE/09/10M0	M12S04/MA3/BN/OE/24/10M0	M12S04/MA3/BN/OE/29/10M0

Specifications

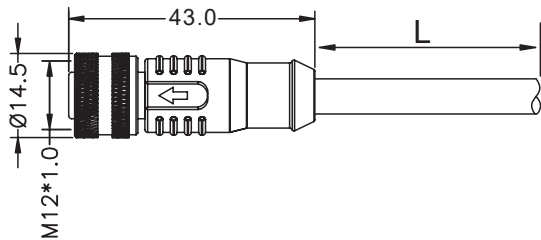
Number of contacts	3	4
Rated voltage	630V	
Rated current (40°C)	12A	
Protection degree	IP67/IP68	
Operating temperature	-40°C ~ +80°C	
Cable OD	7.5mm	8.0mm

Female cable (S-coded)

Product figure



Scale diagram



Contact layout (Front view)

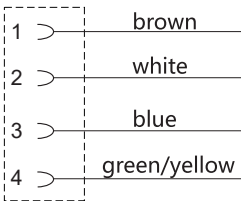
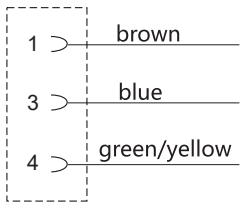
3pins
S



4pins
S



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC		PUR	
			black	gray	black	gray
1.5M	3pins	1.5mm ²	M12S03/FA3/BN/OE/04/1500	M12S03/FA3/BN/OE/09/1500	M12S03/FA3/BN/OE/24/1500	M12S03/FA3/BN/OE/29/1500
	4pins	1.5mm ²	M12S04/FA3/BN/OE/04/1500	M12S04/FA3/BN/OE/09/1500	M12S04/FA3/BN/OE/24/1500	M12S04/FA3/BN/OE/29/1500
3.0M	3pins	1.5mm ²	M12S03/FA3/BN/OE/04/3000	M12S03/FA3/BN/OE/09/3000	M12S03/FA3/BN/OE/24/3000	M12S03/FA3/BN/OE/29/3000
	4pins	1.5mm ²	M12S04/FA3/BN/OE/04/3000	M12S04/FA3/BN/OE/09/3000	M12S04/FA3/BN/OE/24/3000	M12S04/FA3/BN/OE/29/3000
5.0M	3pins	1.5mm ²	M12S03/FA3/BN/OE/04/5000	M12S03/FA3/BN/OE/09/5000	M12S03/FA3/BN/OE/24/5000	M12S03/FA3/BN/OE/29/5000
	4pins	1.5mm ²	M12S04/FA3/BN/OE/04/5000	M12S04/FA3/BN/OE/09/5000	M12S04/FA3/BN/OE/24/5000	M12S04/FA3/BN/OE/29/5000
7.5M	3pins	1.5mm ²	M12S03/FA3/BN/OE/04/7500	M12S03/FA3/BN/OE/09/7500	M12S03/FA3/BN/OE/24/7500	M12S03/FA3/BN/OE/29/7500
	4pins	1.5mm ²	M12S04/FA3/BN/OE/04/7500	M12S04/FA3/BN/OE/09/7500	M12S04/FA3/BN/OE/24/7500	M12S04/FA3/BN/OE/29/7500
10M	3pins	1.5mm ²	M12S03/FA3/BN/OE/04/10M0	M12S03/FA3/BN/OE/09/10M0	M12S03/FA3/BN/OE/24/10M0	M12S03/FA3/BN/OE/29/10M0
	4pins	1.5mm ²	M12S04/FA3/BN/OE/04/10M0	M12S04/FA3/BN/OE/09/10M0	M12S04/FA3/BN/OE/24/10M0	M12S04/FA3/BN/OE/29/10M0

Specifications

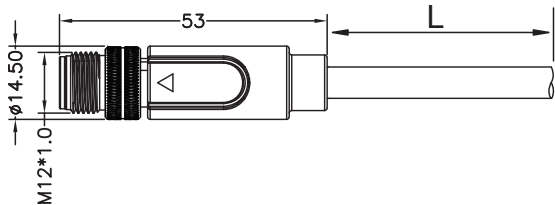
Number of contacts	3	4
Rated voltage	630V	
Rated current (40°C)	12A	
Protection degree	IP67/IP68	
Operating temperature	-40°C ~ +80°C	
Cable OD	7.5mm	8.0mm

Male cable (T-coded)

Product figure



Scale diagram

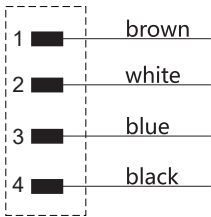


Contact layout (Front view)

4pins
T



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC		PUR	
			black	gray	black	gray
1.5M	4pins	1.5mm ²	M12T04/MA3/BN/OE/04/1500	M12T04/MA3/BN/OE/09/1500	M12T04/MA3/BN/OE/24/1500	M12T04/MA3/BN/OE/29/1500
3.0M	4pins	1.5mm ²	M12T04/MA3/BN/OE/04/3000	M12T04/MA3/BN/OE/09/3000	M12T04/MA3/BN/OE/24/3000	M12T04/MA3/BN/OE/29/3000
5.0M	4pins	1.5mm ²	M12T04/MA3/BN/OE/04/5000	M12T04/MA3/BN/OE/09/5000	M12T04/MA3/BN/OE/24/5000	M12T04/MA3/BN/OE/29/5000
7.5M	4pins	1.5mm ²	M12T04/MA3/BN/OE/04/7500	M12T04/MA3/BN/OE/09/7500	M12T04/MA3/BN/OE/24/7500	M12T04/MA3/BN/OE/29/7500
10M	4pins	1.5mm ²	M12T04/MA3/BN/OE/04/10M0	M12T04/MA3/BN/OE/09/10M0	M12T04/MA3/BN/OE/24/10M0	M12T04/MA3/BN/OE/29/10M0

Specifications

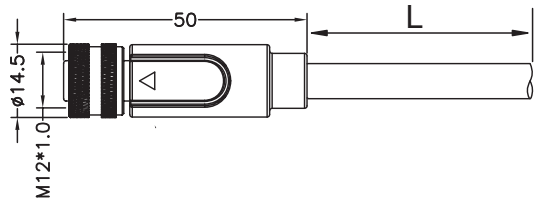
Number of contacts	4
Rated voltage	63V
Rated current (40°C)	12A
Protection degree	IP67/IP68
Operating temperature	-40°C ~ +80°C
Cable OD	8.0mm

Female cable (T-coded)

Product figure



Scale diagram

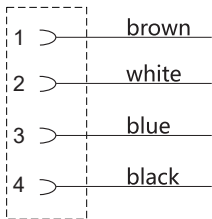


Contact layout (Front view)

4pins
T



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC		PUR	
			black	gray	black	gray
1.5M	4pins	1.5mm ²	M12T04/FA3/BN/OE/04/1500	M12T04/FA3/BN/OE/09/1500	M12T04/FA3/BN/OE/24/1500	M12T04/FA3/BN/OE/29/1500
3.0M	4pins	1.5mm ²	M12T04/FA3/BN/OE/04/3000	M12T04/FA3/BN/OE/09/3000	M12T04/FA3/BN/OE/24/3000	M12T04/FA3/BN/OE/29/3000
5.0M	4pins	1.5mm ²	M12T04/FA3/BN/OE/04/5000	M12T04/FA3/BN/OE/09/5000	M12T04/FA3/BN/OE/24/5000	M12T04/FA3/BN/OE/29/5000
7.5M	4pins	1.5mm ²	M12T04/FA3/BN/OE/04/7500	M12T04/FA3/BN/OE/09/7500	M12T04/FA3/BN/OE/24/7500	M12T04/FA3/BN/OE/29/7500
10M	4pins	1.5mm ²	M12T04/FA3/BN/OE/04/10M0	M12T04/FA3/BN/OE/09/10M0	M12T04/FA3/BN/OE/24/10M0	M12T04/FA3/BN/OE/29/10M0

Specifications

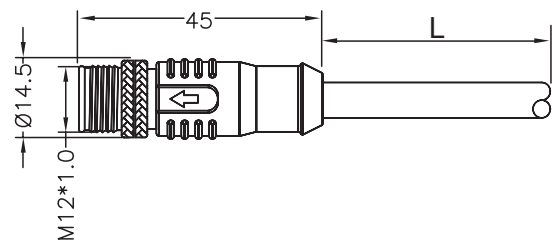
Number of contacts	4
Rated voltage	63V
Rated current (40°C)	12A
Protection degree	IP67/IP68
Operating temperature	-40°C ~ +85°C
Cable OD	8.0mm

Male cable (A-coded with shield)

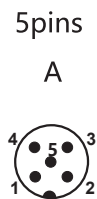
Product figure DeviceNet, CANopen



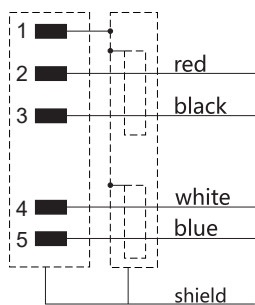
Scale diagram



Contact layout (Front view)



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PUR+AEB
			purple
1.5M	5pins	2×0.25mm ² +2×0.34mm ²	M12A05/MB4/BN/OE/50/1500
3.0M	5pins	2×0.25mm ² +2×0.34mm ²	M12A05/MB4/BN/OE/50/3000
5.0M	5pins	2×0.25mm ² +2×0.34mm ²	M12A05/MB4/BN/OE/50/5000
7.5M	5pins	2×0.25mm ² +2×0.34mm ²	M12A05/MB4/BN/OE/50/7500
10M	5pins	2×0.25mm ² +2×0.34mm ²	M12A05/MB4/BN/OE/50/10M0

Specifications

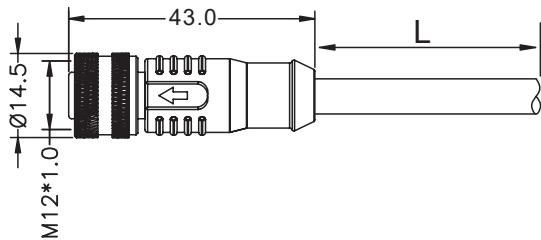
Number of contacts	5
Rated voltage	60V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	7mm

Female cable (A-coded with shield)

Product figure DeviceNet, CANopen



Scale diagram



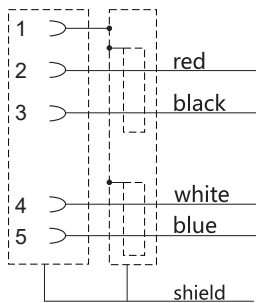
Contact layout (Front view)

5pins

A



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PUR+AEB
			purple
1.5M	5pins	2×0.25mm ² +2×0.34mm ²	M12A05/FB4/BN/OE/50/1500
3.0M	5pins	2×0.25mm ² +2×0.34mm ²	M12A05/FB4/BN/OE/50/3000
5.0M	5pins	2×0.25mm ² +2×0.34mm ²	M12A05/FB4/BN/OE/50/5000
7.5M	5pins	2×0.25mm ² +2×0.34mm ²	M12A05/FB4/BN/OE/50/7500
10M	5pins	2×0.25mm ² +2×0.34mm ²	M12A05/FB4/BN/OE/50/10M0

Specifications

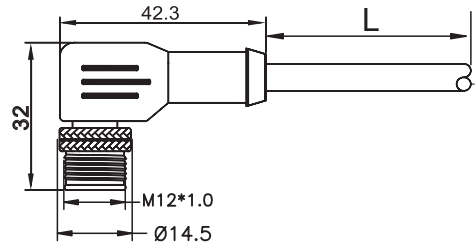
Number of contacts	5
Rated voltage	60V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	7mm

Male cable (90° A-coded with shield)

Product figure DeviceNet, CANopen



Scale diagram

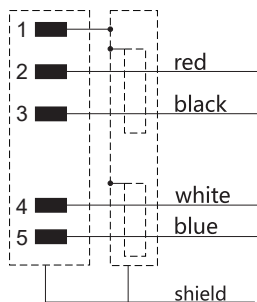


Contact layout (Front view)

5pins
A



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PUR+AEB
			purple
1.5M	5pins	2×0.25mm ² +2×0.34mm ²	M12A05/MB5/BN/OE/50/1500
3.0M	5pins	2×0.25mm ² +2×0.34mm ²	M12A05/MB5/BN/OE/50/3000
5.0M	5pins	2×0.25mm ² +2×0.34mm ²	M12A05/MB5/BN/OE/50/5000
7.5M	5pins	2×0.25mm ² +2×0.34mm ²	M12A05/MB5/BN/OE/50/7500
10M	5pins	2×0.25mm ² +2×0.34mm ²	M12A05/MB5/BN/OE/50/10M0

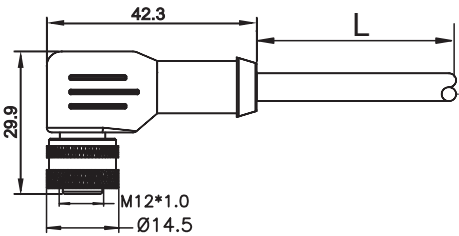
Specifications

Number of contacts	5
Rated voltage	60V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C~+80°C
Cable OD	7mm

Female cable (90° A-coded with shield)

Product figure DeviceNet, CANopen

Scale diagram



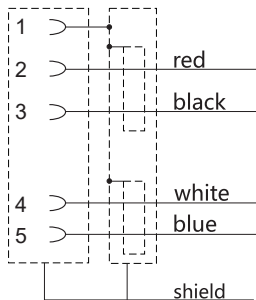
Contact layout (Front view)

5pins

A



Circuit diagram



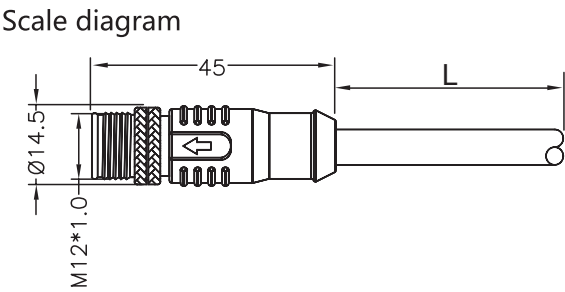
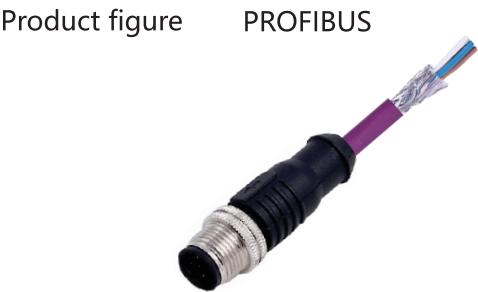
Order No

Cable length	Contacts	Wire diameter	PUR+ AEB
			purple
1.5M	5pins	2×0.25mm ² +2×0.34mm ²	M12A05/FB5/BN/OE/50/1500
3.0M	5pins	2×0.25mm ² +2×0.34mm ²	M12A05/FB5/BN/OE/50/3000
5.0M	5pins	2×0.25mm ² +2×0.34mm ²	M12A05/FB5/BN/OE/50/5000
7.5M	5pins	2×0.25mm ² +2×0.34mm ²	M12A05/FB5/BN/OE/50/7500
10M	5pins	2×0.25mm ² +2×0.34mm ²	M12A05/FB5/BN/OE/50/10M0

Specifications

Number of contacts	5
Rated voltage	60V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	7mm

Male cable (B-coded with shield)

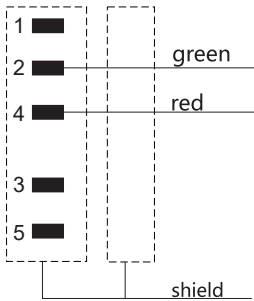


Contact layout (Front view)

2pins
B



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PUR+AEB
			purple
1.5M	2pins	2× 0.64mm	M12B02/MB4/BN/OE/51/1500
3.0M	2pins	2× 0.64mm	M12B02/MB4/BN/OE/51/3000
5.0M	2pins	2× 0.64mm	M12B02/MB4/BN/OE/51/5000
7.5M	2pins	2× 0.64mm	M12B02/MB4/BN/OE/51/7500
10M	2pins	2× 0.64mm	M12B02/MB4/BN/OE/51/10M0

Specifications

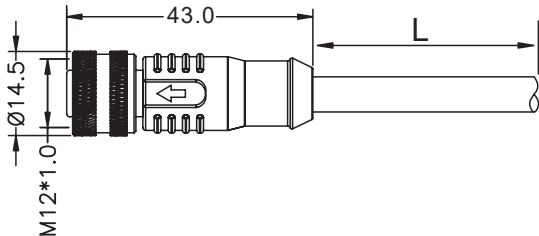
Number of contacts	2
Rated voltage	60V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	6.4mm

Female cable (B-coded with shield)

Product figure PROFIBUS



Scale diagram



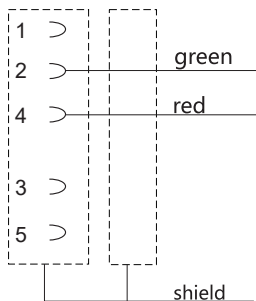
Contact layout (Front view)

2pins

B



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PUR+AEB
			purple
1.5M	2pins	2× 0.64mm	M12B02/FB4/BN/OE/51/1500
3.0M	2pins	2× 0.64mm	M12B02/FB4/BN/OE/51/3000
5.0M	2pins	2× 0.64mm	M12B02/FB4/BN/OE/51/5000
7.5M	2pins	2× 0.64mm	M12B02/FB4/BN/OE/51/7500
10M	2pins	2× 0.64mm	M12B02/FB4/BN/OE/51/10M0

Specifications

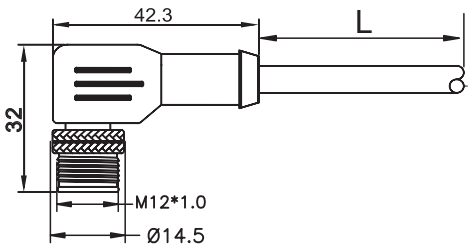
Number of contacts	2
Rated voltage	60V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	6.4mm

Male cable (B-coded with shield)

Product figure PROFIBUS



Scale diagram



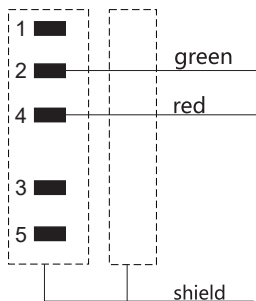
Contact layout (Front view)

2pins

B



Circuit diagram



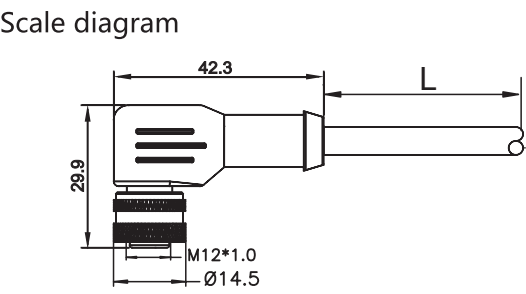
Order No

Cable length	Contacts	Wire diameter	PUR+AEB
			purple
1.5M	2pins	2× 0.64mm	M12B02/MB5/BN/OE/51/1500
3.0M	2pins	2× 0.64mm	M12B02/MB5/BN/OE/51/3000
5.0M	2pins	2× 0.64mm	M12B02/MB5/BN/OE/51/5000
7.5M	2pins	2× 0.64mm	M12B02/MB5/BN/OE/51/7500
10M	2pins	2× 0.64mm	M12B02/MB5/BN/OE/51/10M0

Specifications

Number of contacts	2
Rated voltage	60V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	6.4mm

Female cable (90° B-coded with shield)

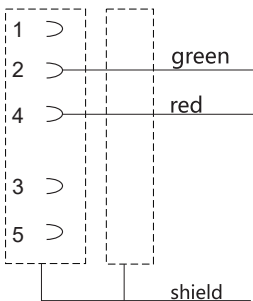


Contact layout (Front view)

2pins
B



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PUR+AEB
			purple
1.5M	2pins	2× 0.64mm	M12B02/FB5/BN/OE/51/1500
3.0M	2pins	2× 0.64mm	M12B02/FB5/BN/OE/51/3000
5.0M	2pins	2× 0.64mm	M12B02/FB5/BN/OE/51/5000
7.5M	2pins	2× 0.64mm	M12B02/FB5/BN/OE/51/7500
10M	2pins	2× 0.64mm	M12B02/FB5/BN/OE/51/10M0

Specifications

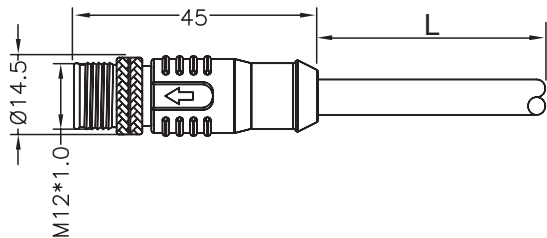
Number of contacts	2
Rated voltage	60V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	6.4mm

Male cable (D-coded with shield)

Product figure EtherCAT, PROFINET



Scale diagram

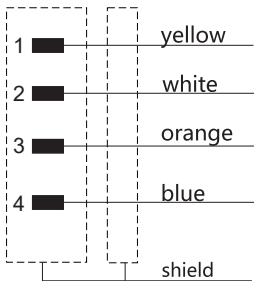


Contact layout (Front view)

4pins
D



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PUR+AEB
			green
1.5M	4pins	4×0.25mm ²	M12D04/MB4/BN/OE/52/1500
3.0M	4pins	4×0.25mm ²	M12D04/MB4/BN/OE/52/3000
5.0M	4pins	4×0.25mm ²	M12D04/MB4/BN/OE/52/5000
7.5M	4pins	4×0.25mm ²	M12D04/MB4/BN/OE/52/7500
10M	4pins	4×0.25mm ²	M12D04/MB4/BN/OE/52/10M0

Specifications

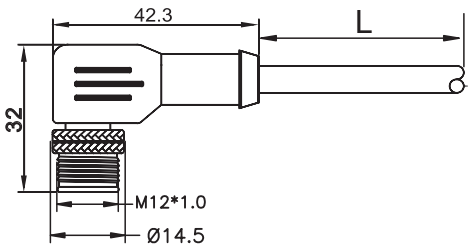
Number of contacts	4
Rated voltage	250V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C~+80°C
Cable OD	6.4mm

Male cable (90° D-coded with shield)

Product figure EtherCAT, PROFINET



Scale diagram

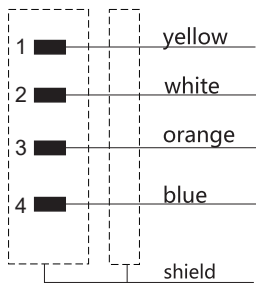


Contact layout (Front view)

4pins
D



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PUR+AEB
			green
1.5M	4pins	4×0.25mm ²	M12D04/MB5/BN/OE/52/1500
3.0M	4pins	4×0.25mm ²	M12D04/MB5/BN/OE/52/3000
5.0M	4pins	4×0.25mm ²	M12D04/MB5/BN/OE/52/5000
7.5M	4pins	4×0.25mm ²	M12D04/MB5/BN/OE/52/7500
10M	4pins	4×0.25mm ²	M12D04/MB5/BN/OE/52/10M0

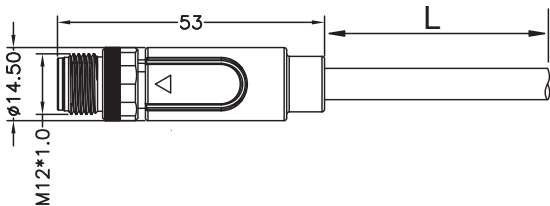
Specifications

Number of contacts	4
Rated voltage	250V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	6.4mm

Male cable (X-coded with shield)

Product figure EtherCAT, PROFINET

Scale diagram



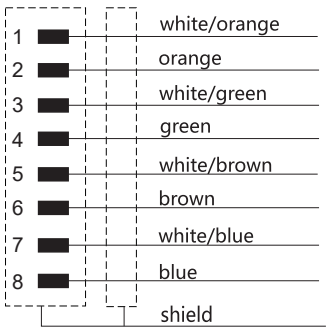
Contact layout (Front view)

8pins

X



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PUR+AEB
			blue
1.5M	8pins	2×4×0.14mm ²	M12X08/MB4/BN/OE/53/1500
3.0M	8pins	2×4×0.14mm ²	M12X08/MB4/BN/OE/53/3000
5.0M	8pins	2×4×0.14mm ²	M12X08/MB4/BN/OE/53/5000
7.5M	8pins	2×4×0.14mm ²	M12X08/MB4/BN/OE/53/7500
10M	8pins	2×4×0.14mm ²	M12X08/MB4/BN/OE/53/10M0

Specifications

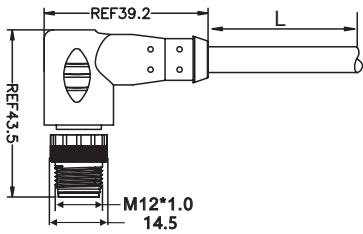
Number of contacts	8
Rated voltage	60V
Rated current (40°C)	0.5A
Protection degree	IP67/IP68
Operating temperature	-40°C ~ +85°C
Cable OD	6.2mm

Male cable (90° X-coded with shield)

Product figure EtherCAT, PROFINET



Scale diagram



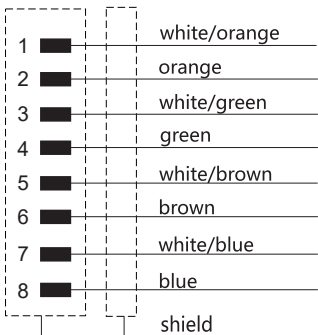
Contact layout (Front view)

8pins

X



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PUR+AEB
			blue
1.5M	8pins	2×4×0.14mm ²	M12X08/MB5/BN/OE/53/1500
3.0M	8pins	2×4×0.14mm ²	M12X08/MB5/BN/OE/53/3000
5.0M	8pins	2×4×0.14mm ²	M12X08/MB5/BN/OE/53/5000
7.5M	8pins	2×4×0.14mm ²	M12X08/MB5/BN/OE/53/7500
10M	8pins	2×4×0.14mm ²	M12X08/MB5/BN/OE/53/10M0

Specifications

Number of contacts	8
Rated voltage	60V
Rated current (40°C)	0.5A
Protection degree	IP67/IP68
Operating temperature	-40°C ~ +85°C
Cable OD	6.2mm



M12 Series

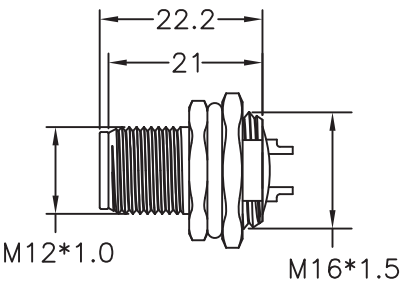
Panel Mount Connectors

Male panel connector

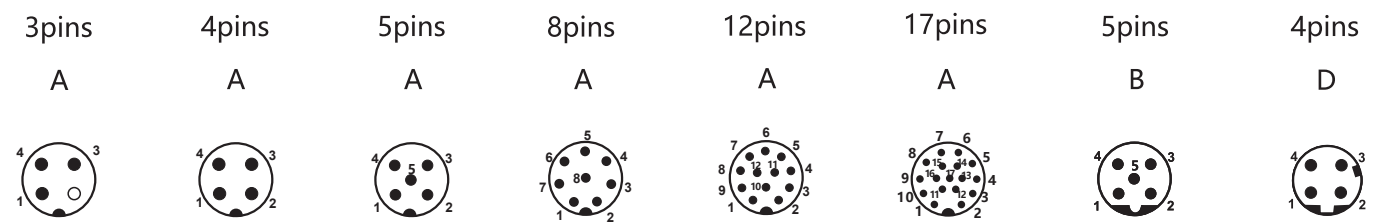
Product figure (M16*1.5 rear fastened solder)



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/MF2/BN/SC
3pins	A	M12A03/MF2/BN/SC
4pins	A	M12A04/MF2/BN/SC
	D	M12D04/MF2/BN/SC
5pins	A	M12A05/MF2/BN/SC
	B	M12B05/MF2/BN/SC
8pins	A	M12A08/MF2/BN/SC
12pins	A	M12A12/MF2/BN/SC
17pins	A	M12A17/MF2/BN/SC

Specifications

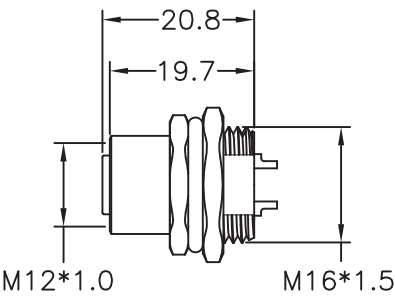
Number of contacts	3	4	5	8	12	17
Termination	solder					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Female panel connector

Product figure (M16*1.5 rear fastened solder)



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



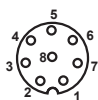
5pins

A



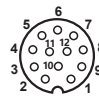
8pins

A



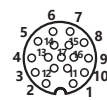
12pins

A



17pins

A



5pins

B



4pins

D



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/FF2/BN/SC
3pins	A	M12A03/FF2/BN/SC
4pins	A	M12A04/FF2/BN/SC
	D	M12D04/FF2/BN/SC
5pins	A	M12A05/FF2/BN/SC
	B	M12B05/FF2/BN/SC
8pins	A	M12A08/FF2/BN/SC
12pins	A	M12A12/FF2/BN/SC
17pins	A	M12A17/FF2/BN/SC

Specifications

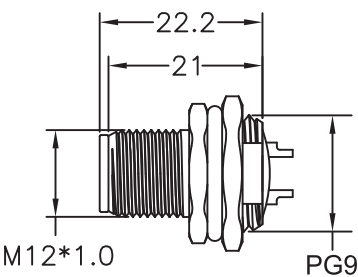
Number of contacts	3	4	5	8	12	17
Termination	solder					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Male panel connector

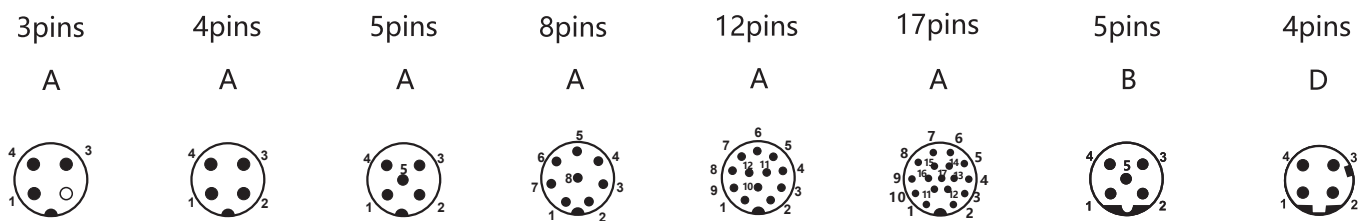
Product figure (PG9 rear fastened solder)



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/MF3/BN/SC
3pins	A	M12A03/MF3/BN/SC
4pins	A	M12A04/MF3/BN/SC
	D	M12D04/MF3/BN/SC
5pins	A	M12A05/MF3/BN/SC
	B	M12B05/MF3/BN/SC
8pins	A	M12A08/MF3/BN/SC
12pins	A	M12A12/MF3/BN/SC
17pins	A	M12A17/MF3/BN/SC

Specifications

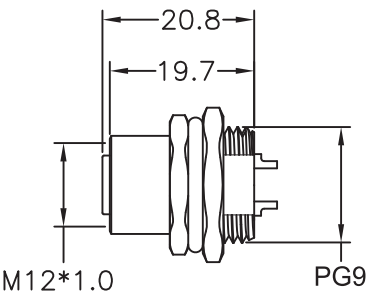
Number of contacts	3	4	5	8	12	17
Termination	solder					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Female panel connector

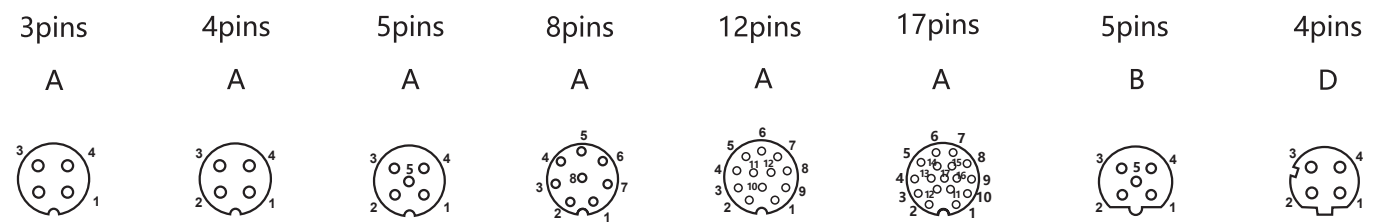
Product figure (PG9 rear fastened solder)



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/FF3/BN/SC
3pins	A	M12A03/FF3/BN/SC
4pins	A	M12A04/FF3/BN/SC
	D	M12D04/FF3/BN/SC
5pins	A	M12A05/FF3/BN/SC
	B	M12B05/FF3/BN/SC
8pins	A	M12A08/FF3/BN/SC
12pins	A	M12A12/FF3/BN/SC
17pins	A	M12A17/FF3/BN/SC

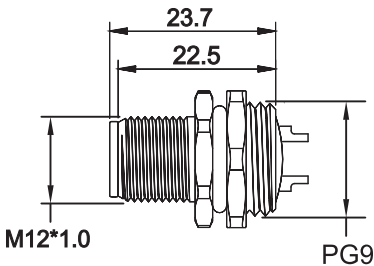
Specifications

Number of contacts	3	4	5	8	12	17
Termination	solder					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

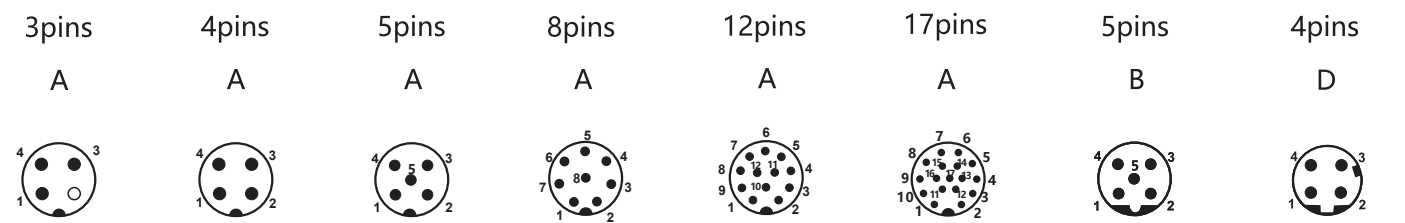
Male panel connector

Product figure (rear fastened PG9, long shell solder)

Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/MR3/BN/SC
3pins	A	M12A03/MR3/BN/SC
4pins	A	M12A04/MR3/BN/SC
	D	M12D04/MR3/BN/SC
5pins	A	M12A05/MR3/BN/SC
	B	M12B05/MR3/BN/SC
8pins	A	M12A08/MR3/BN/SC
12pins	A	M12A12/MR3/BN/SC
17pins	A	M12A17/MR3/BN/SC

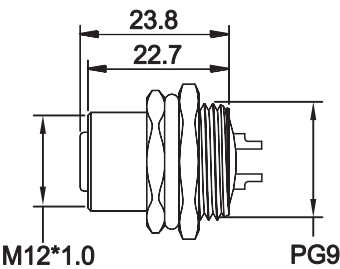
Specifications

Number of contacts	3	4	5	8	12	17
Termination	solder					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

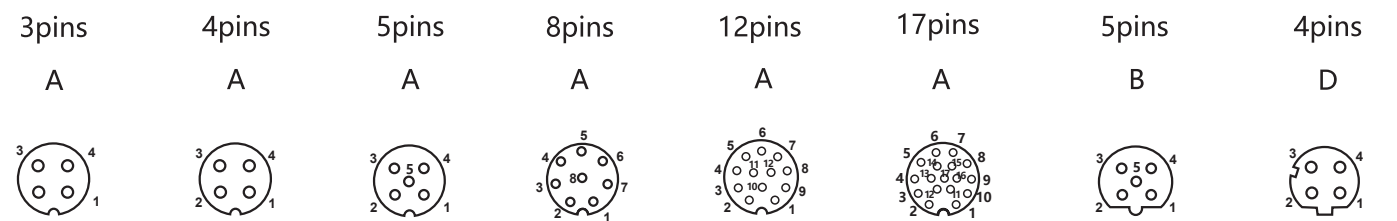
Female panel connector

Product figure (rear fastened PG9, long shell solder)

Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/FR3/BN/SC
3pins	A	M12A03/FR3/BN/SC
4pins	A	M12A04/FR3/BN/SC
	D	M12D04/FR3/BN/SC
5pins	A	M12A05/FR3/BN/SC
	B	M12B05/FR3/BN/SC
8pins	A	M12A08/FR3/BN/SC
12pins	A	M12A12/FR3/BN/SC
17pins	A	M12A17/FR3/BN/SC

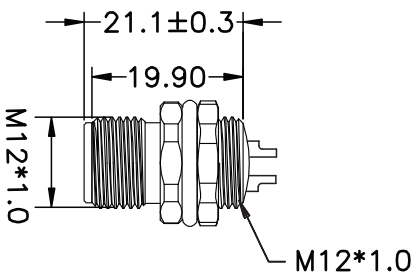
Specifications

Number of contacts	3	4	5	8	12	17
Termination	solder					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

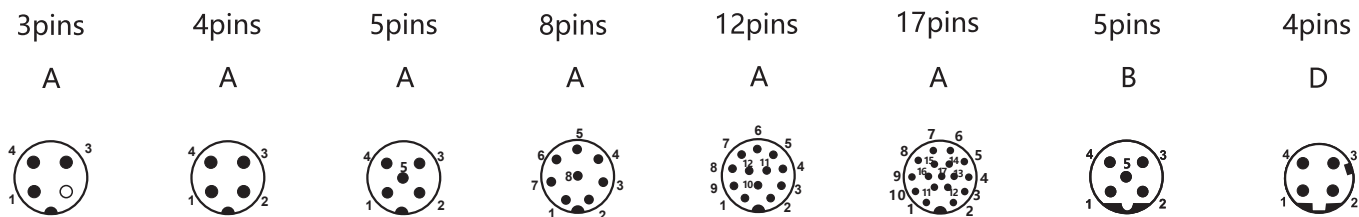
Male panel connector

Product figure (M12*1.0 rear fastened solder)

Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/MF1/BN/SC
3pins	A	M12A03/MF1/BN/SC
4pins	A	M12A04/MF1/BN/SC
	D	M12D04/MF1/BN/SC
5pins	A	M12A05/MF1/BN/SC
	B	M12B05/MF1/BN/SC
8pins	A	M12A08/MF1/BN/SC
12pins	A	M12A12/MF1/BN/SC
17pins	A	M12A17/MF1/BN/SC

Specifications

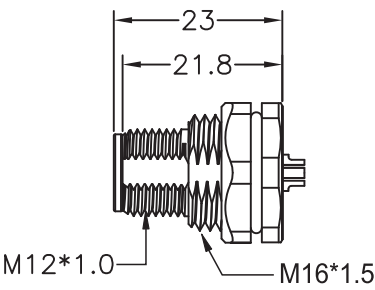
Number of contacts	3	4	5	8	12	17
Termination	solder					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Male panel connector

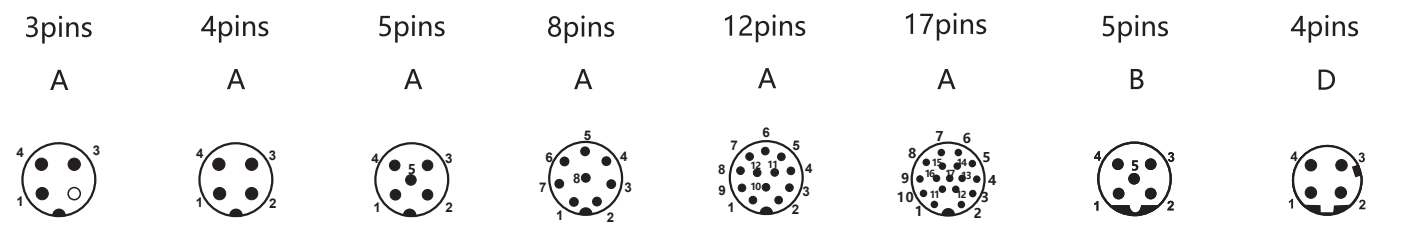
Product figure (M16*1.5 front fastened solder)



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/MF5/BN/SC
3pins	A	M12A03/MF5/BN/SC
4pins	A	M12A04/MF5/BN/SC
	D	M12D04/MF5/BN/SC
5pins	A	M12A05/MF5/BN/SC
	B	M12B05/MF5/BN/SC
8pins	A	M12A08/MF5/BN/SC
12pins	A	M12A12/MF5/BN/SC
17pins	A	M12A17/MF5/BN/SC

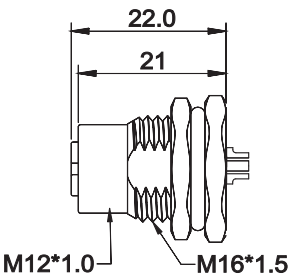
Specifications

Number of contacts	3	4	5	8	12	17
Termination	solder					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

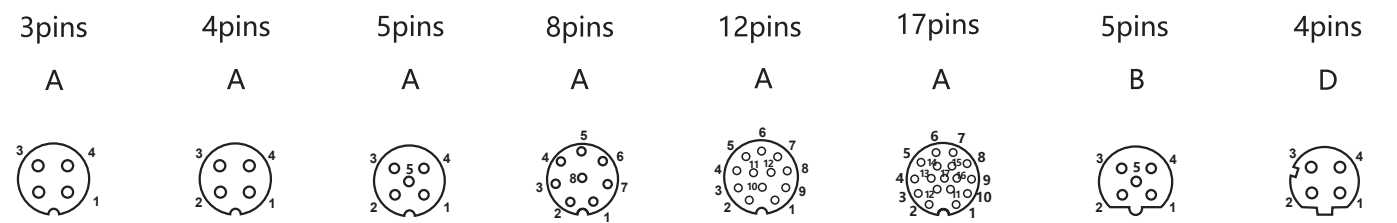
Female panel connector

Product figure (M16*1.5 front fastened solder)

Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/FF5/BN/SC
3pins	A	M12A03/FF5/BN/SC
4pins	A	M12A04/FF5/BN/SC
	D	M12D04/FF5/BN/SC
5pins	A	M12A05/FF5/BN/SC
	B	M12B05/FF5/BN/SC
8pins	A	M12A08/FF5/BN/SC
12pins	A	M12A12/FF5/BN/SC
17pins	A	M12A17/FF5/BN/SC

Specifications

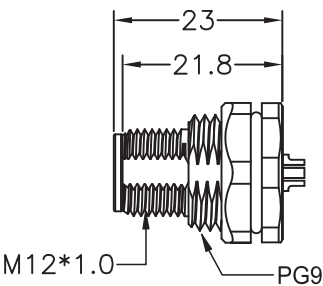
Number of contacts	3	4	5	8	12	17
Termination	solder					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Male panel connector

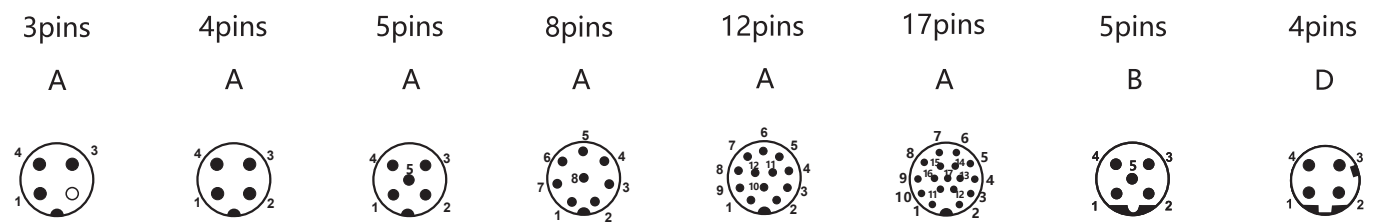
Product figure (PG9 front fastened solder)



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/MF6/BN/SC
3pins	A	M12A03/MF6/BN/SC
4pins	A	M12A04/MF6/BN/SC
	D	M12D04/MF6/BN/SC
5pins	A	M12A05/MF6/BN/SC
	B	M12B05/MF6/BN/SC
8pins	A	M12A08/MF6/BN/SC
12pins	A	M12A12/MF6/BN/SC
17pins	A	M12A17/MF6/BN/SC

Specifications

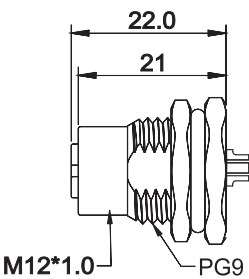
Number of contacts	3	4	5	8	12	17
Termination	solder					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Female panel connector

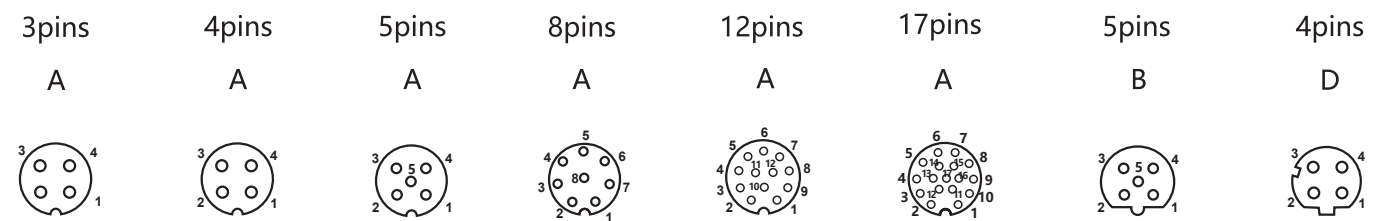
Product figure (PG9 front fastened solder)



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/FF6/BN/SC
3pins	A	M12A03/FF6/BN/SC
4pins	A	M12A04/FF6/BN/SC
	D	M12D04/FF6/BN/SC
5pins	A	M12A05/FF6/BN/SC
	B	M12B05/FF6/BN/SC
8pins	A	M12A08/FF6/BN/SC
12pins	A	M12A12/FF6/BN/SC
17pins	A	M12A17/FF6/BN/SC

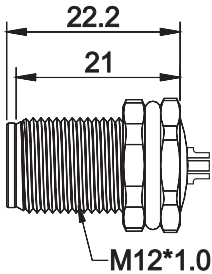
Specifications

Number of contacts	3	4	5	8	12	17
Termination	solder					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

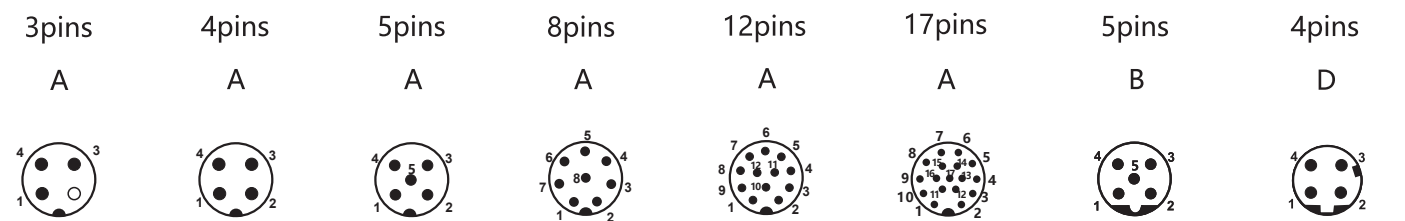
Male panel connector

Product figure (M12*1.0 front fastened solder)

Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/MF4/BN/SC
3pins	A	M12A03/MF4/BN/SC
4pins	A	M12A04/MF4/BN/SC
	D	M12D04/MF4/BN/SC
5pins	A	M12A05/MF4/BN/SC
	B	M12B05/MF4/BN/SC
8pins	A	M12A08/MF4/BN/SC
12pins	A	M12A12/MF4/BN/SC
17pins	A	M12A17/MF4/BN/SC

Specifications

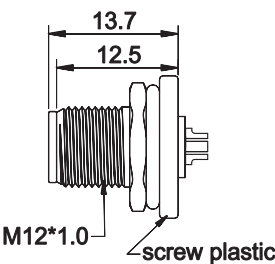
Number of contacts	3	4	5	8	12	17
Termination	solder					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Male plastic panel connector

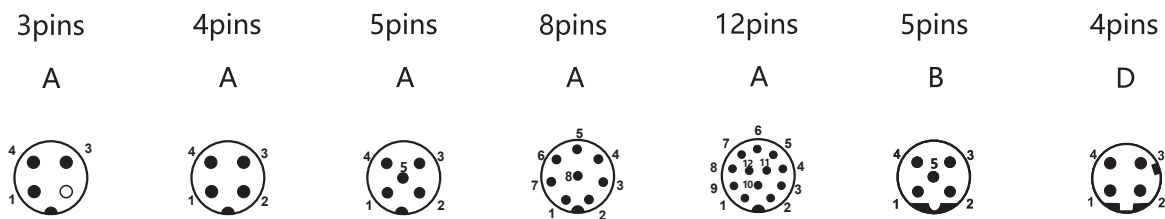
Product figure (M12*1.0 front fastened solder)



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/MF4/PA/SC
3pins	A	M12A03/MF4/PA/SC
4pins	A	M12A04/MF4/PA/SC
	D	M12D04/MF4/PA/SC
5pins	A	M12A05/MF4/PA/SC
	B	M12B05/MF4/PA/SC
8pins	A	M12A08/MF4/PA/SC
12pins	A	M12A12/MF4/PA/SC

Specifications

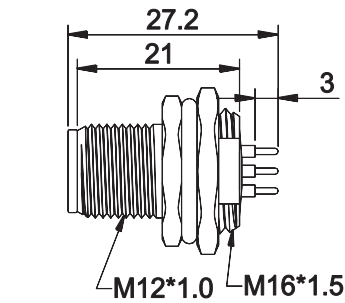
Number of contacts	3	4	5	8	12	17
Termination	solder					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Male panel connector

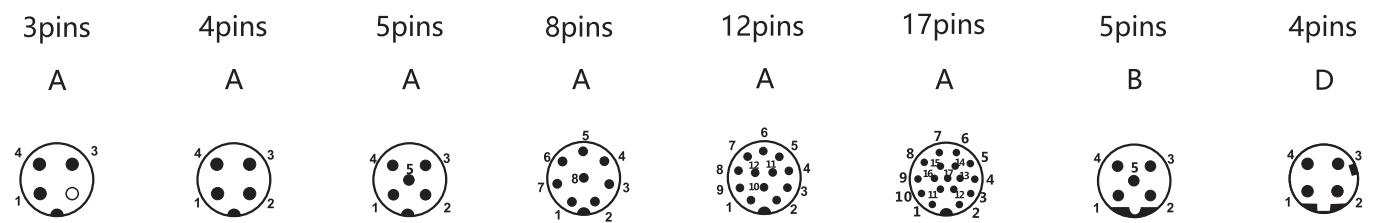
Product figure (M16*1.5 rear fastened DIP)



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/MF2/BN/TH
3pins	A	M12A03/MF2/BN/TH
4pins	A	M12A04/MF2/BN/TH
	D	M12D04/MF2/BN/TH
5pins	A	M12A05/MF2/BN/TH
	B	M12B05/MF2/BN/TH
8pins	A	M12A08/MF2/BN/TH
12pins	A	M12A12/MF2/BN/TH
17pins	A	M12A17/MF2/BN/TH

Specifications

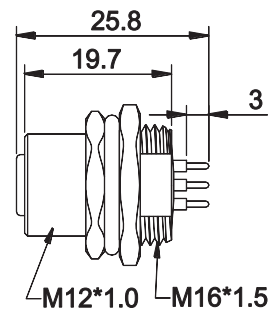
Number of contacts	3	4	5	8	12	17
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Female panel connector

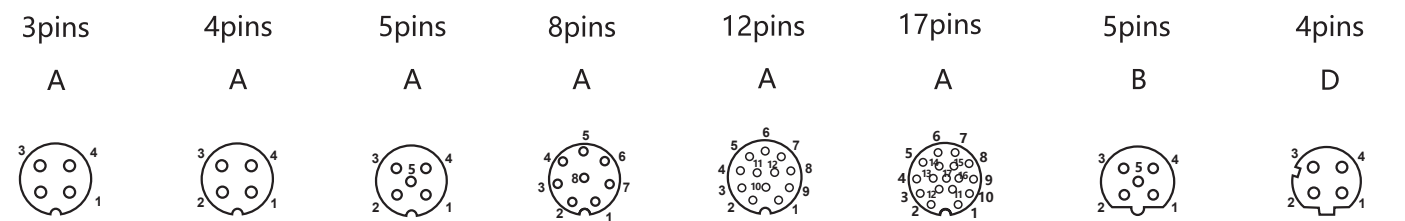
Product figure (M16*1.5 rear fastened DIP)



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/FF2/BN/TH
3pins	A	M12A03/FF2/BN/TH
4pins	A	M12A04/FF2/BN/TH
	D	M12D04/FF2/BN/TH
5pins	A	M12A05/FF2/BN/TH
	B	M12B05/FF2/BN/TH
8pins	A	M12A08/FF2/BN/TH
12pins	A	M12A12/FF2/BN/TH
17pins	A	M12A17/FF2/BN/TH

Specifications

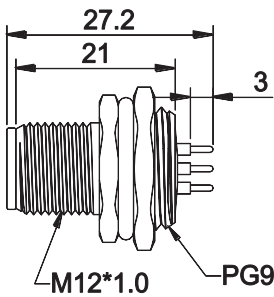
Number of contacts	3	4	5	8	12	17
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Male panel connector

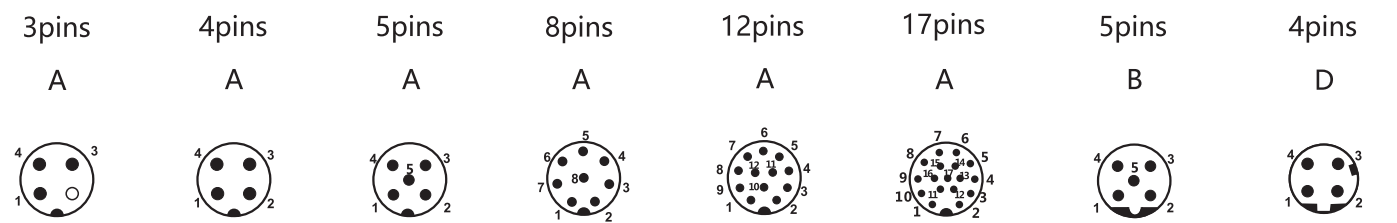
Product figure (PG9 rear fastened DIP)



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/MF3/BN/TH
3pins	A	M12A03/MF3/BN/TH
4pins	A	M12A04/MF3/BN/TH
	D	M12D04/MF3/BN/TH
5pins	A	M12A05/MF3/BN/TH
	B	M12B05/MF3/BN/TH
8pins	A	M12A08/MF3/BN/TH
12pins	A	M12A12/MF3/BN/TH
17pins	A	M12A17/MF3/BN/TH

Specifications

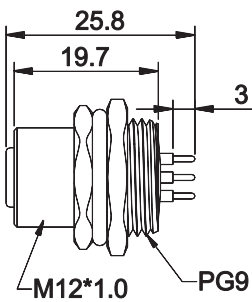
Number of contacts	3	4	5	8	12	17
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Female panel connector

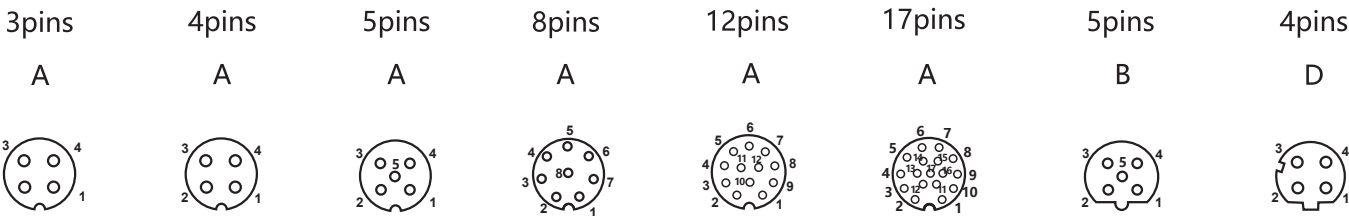
Product figure (PG9 rear fastened DIP)



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/FF3/BN/TH
3pins	A	M12A03/FF3/BN/TH
4pins	A	M12A04/FF3/BN/TH
	D	M12D04/FF3/BN/TH
5pins	A	M12A05/FF3/BN/TH
	B	M12B05/FF3/BN/TH
8pins	A	M12A08/FF3/BN/TH
12pins	A	M12A12/FF3/BN/TH
17pins	A	M12A17/FF3/BN/TH

Specifications

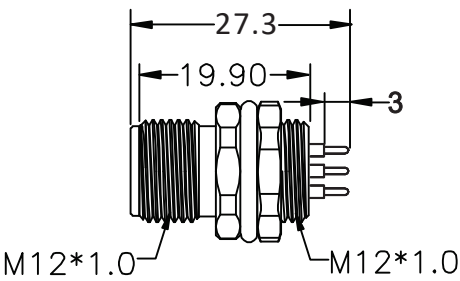
Number of contacts	3	4	5	8	12	17
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Male panel connector

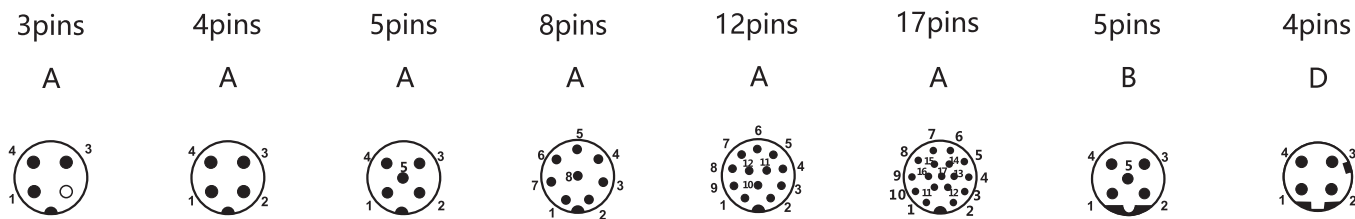
Product figure (M12*1.0 rear fastened DIP)



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/MF1/BN/TH
3pins	A	M12A03/MF1/BN/TH
4pins	A	M12A04/MF1/BN/TH
	D	M12D04/MF1/BN/TH
5pins	A	M12A05/MF1/BN/TH
	B	M12B05/MF1/BN/TH
8pins	A	M12A08/MF1/BN/TH
12pins	A	M12A12/MF1/BN/TH
17pins	A	M12A17/MF1/BN/TH

Specifications

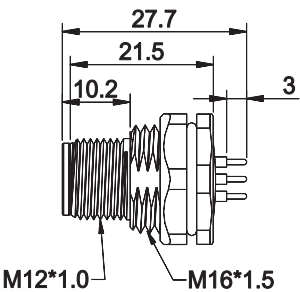
Number of contacts	3	4	5	8	12	17
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Male panel connector

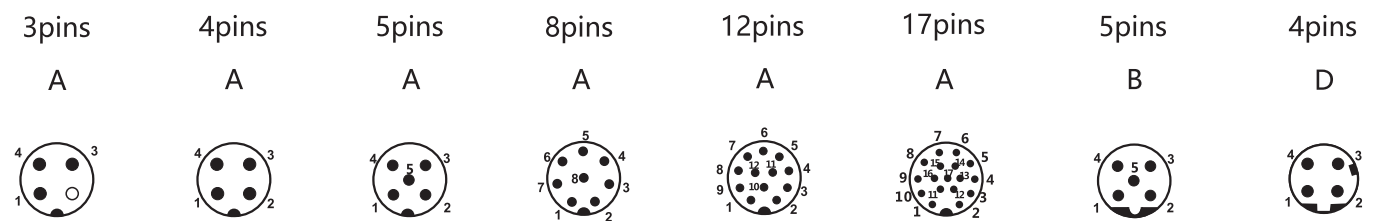
Product figure (M16*1.5 front fastened DIP)



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/MF5/BN/TH
3pins	A	M12A03/MF5/BN/TH
4pins	A	M12A04/MF5/BN/TH
	D	M12D04/MF5/BN/TH
5pins	A	M12A05/MF5/BN/TH
	B	M12B05/MF5/BN/TH
8pins	A	M12A08/MF5/BN/TH
12pins	A	M12A12/MF5/BN/TH
17pins	A	M12A17/MF5/BN/TH

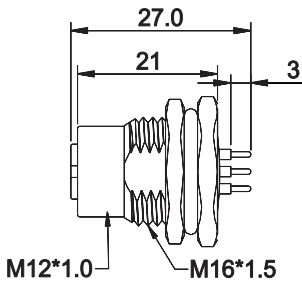
Specifications

Number of contacts	3	4	5	8	12	17
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

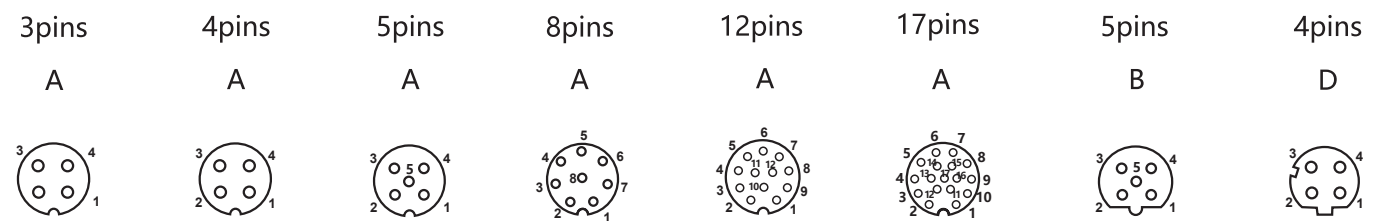
Female panel connector

Product figure (M16*1.5 front fastened DIP)

Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/FF5/BN/TH
3pins	A	M12A03/FF5/BN/TH
4pins	A	M12A04/FF5/BN/TH
	D	M12D04/FF5/BN/TH
5pins	A	M12A05/FF5/BN/TH
	B	M12B05/FF5/BN/TH
8pins	A	M12A08/FF5/BN/TH
12pins	A	M12A12/FF5/BN/TH
17pins	A	M12A17/FF5/BN/TH

Specifications

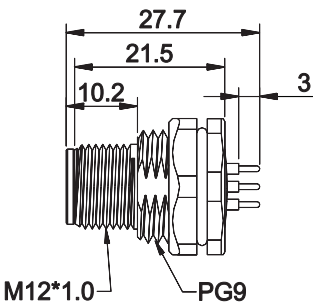
Number of contacts	3	4	5	8	12	17
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Male panel connector

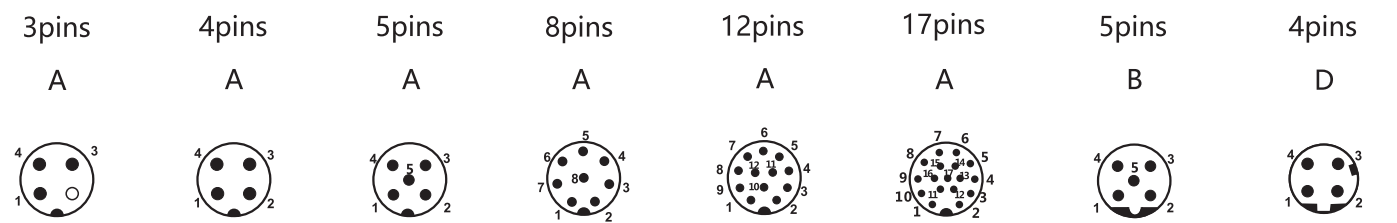
Product figure (PG9 front fastened DIP)



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/MF6/BN/TH
3pins	A	M12A03/MF6/BN/TH
4pins	A	M12A04/MF6/BN/TH
	D	M12D04/MF6/BN/TH
5pins	A	M12A05/MF6/BN/TH
	B	M12B05/MF6/BN/TH
8pins	A	M12A08/MF6/BN/TH
12pins	A	M12A12/MF6/BN/TH
17pins	A	M12A17/MF6/BN/TH

Specifications

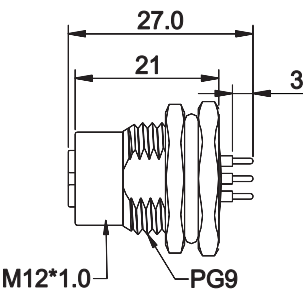
Number of contacts	3	4	5	8	12	17
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Female panel connector

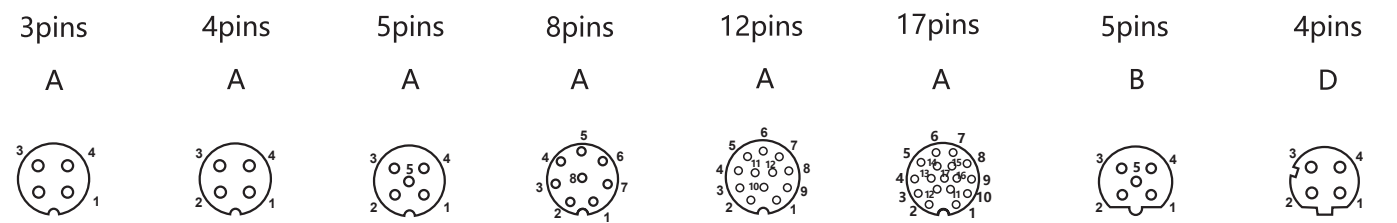
Product figure (PG9 front fastened DIP)



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/FF6/BN/TH
3pins	A	M12A03/FF6/BN/TH
4pins	A	M12A04/FF6/BN/TH
	D	M12D04/FF6/BN/TH
5pins	A	M12A05/FF6/BN/TH
	B	M12B05/FF6/BN/TH
8pins	A	M12A08/FF6/BN/TH
12pins	A	M12A12/FF6/BN/TH
17pins	A	M12A17/FF6/BN/TH

Specifications

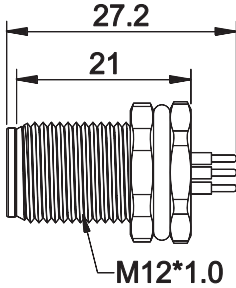
Number of contacts	3	4	5	8	12	17
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Male panel connector

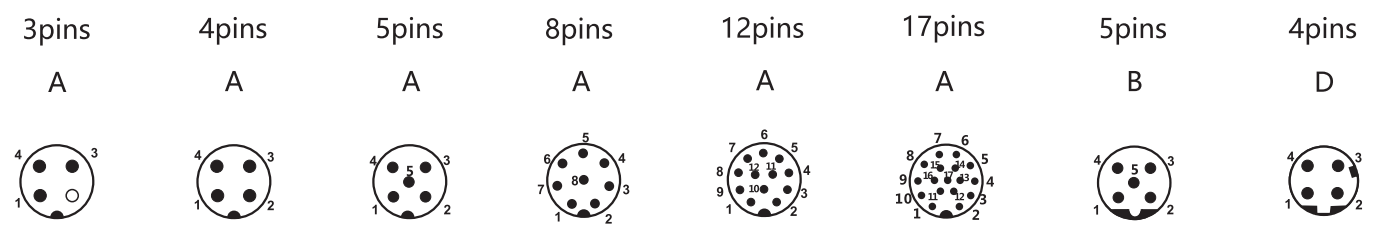
Product figure (M12*1.0 front fastened DIP)



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/MF4/BN/TH
3pins	A	M12A03/MF4/BN/TH
4pins	A	M12A04/MF4/BN/TH
	D	M12D04/MF4/BN/TH
5pins	A	M12A05/MF4/BN/TH
	B	M12B05/MF4/BN/TH
8pins	A	M12A08/MF4/BN/TH
12pins	A	M12A12/MF4/BN/TH
17pins	A	M12A17/MF4/BN/TH

Specifications

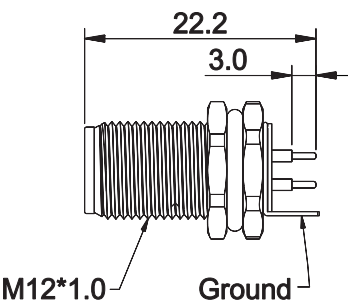
Number of contacts	3	4	5	8	12	17
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Male panel connector

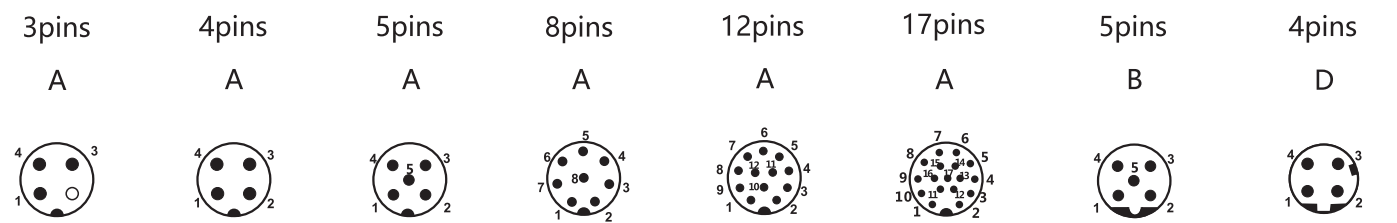
Product figure(M12*1.0 front fastened DIP with ground)



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/MF4/BN/TG
3pins	A	M12A03/MF4/BN/TG
4pins	A	M12A04/MF4/BN/TG
	D	M12D04/MF4/BN/TG
5pins	A	M12A05/MF4/BN/TG
	B	M12B05/MF4/BN/TG
8pins	A	M12A08/MF4/BN/TG
12pins	A	M12A12/MF4/BN/TG
17pins	A	M12A17/MF4/BN/TG

Specifications

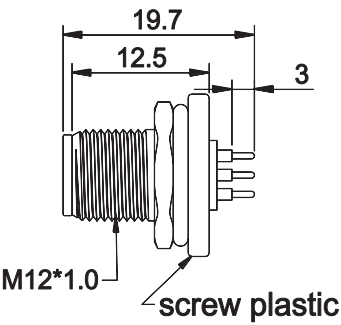
Number of contacts	3	4	5	8	12	17
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Male panel connector

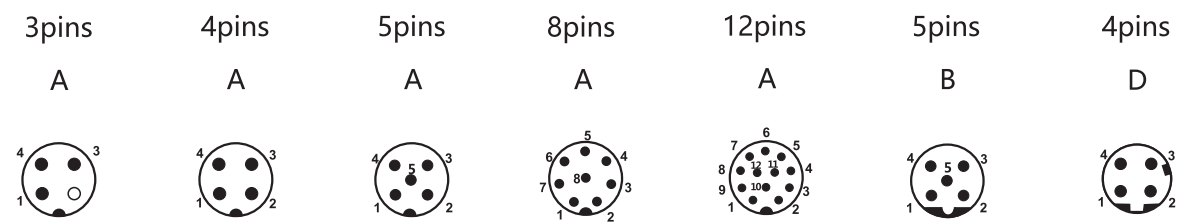
Product figure (M12*1.0 front fastened DIP)



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/MF4/PA/TH
3pins	A	M12A03/MF4/PA/TH
4pins	A	M12A04/MF4/PA/TH
	D	M12D04/MF4/PA/TH
5pins	A	M12A05/MF4/PA/TH
	B	M12B05/MF4/PA/TH
8pins	A	M12A08/MF4/PA/TH
12pins	A	M12A12/MF4/PA/TH

Specifications

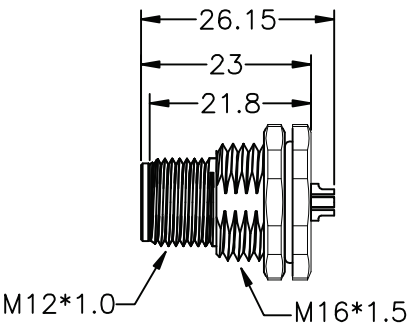
Number of contacts	3	4	5	8	12
Termination	PCB				
Wire gauge	—				
Operating temperature	-25°C~+85°C				
Mechanical operation	> 100 mating cycles				
Rated voltage	250V		60V	30V	
Rated current (40°C)	4A			2A	1.5A
Protection degree	IP67/IP68				
Contact resistance	< 10mΩ				
Insulation resistance	≥100MΩ				
Pin contact	CuZn				
Socket contact	CuSn				
Contact plating	Au				

Male panel connector

Product figure (M16*1.5 front fastened solder)



Scale diagram



Contact layout (Front view)

5pins

A



Order Data

Contacts	Coding	Order No
5pins	A	M12A05/MF5/PA/SC

Specifications

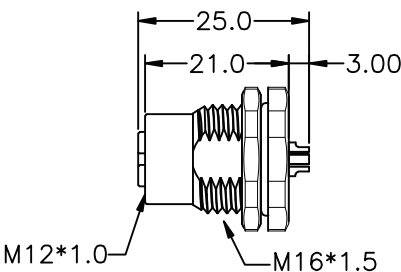
Number of contacts	5
Termination	solder
Wire gauge	—
Operating temperature	-25°C~+85°C
Mechanical operation	> 100 mating cycles
Rated voltage	60V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

Female panel connector

Product figure (M16*1.5 front fastened solder)



Scale diagram



Contact layout (Front view)

5pins

A



Order Data

Contacts	Coding	Order No
5pins	A	M12A05/FF5/PA/SC

Specifications

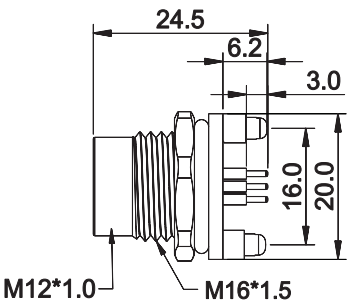
Number of contacts	5
Termination	solder
Wire gauge	—
Operating temperature	-25°C~+85°C
Mechanical operation	> 100 mating cycles
Rated voltage	60V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

Female panel connector

Product figure (M12*1.5 front fastened DIP with location)



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



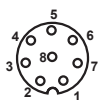
5pins

A



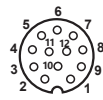
8pins

A



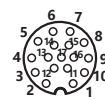
12pins

A



17pins

A



5pins

B



4pins

D



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/FF5/BN/TP
3pins	A	M12A03/FF5/BN/TP
4pins	A	M12A04/FF5/BN/TP
	D	M12D04/FF5/BN/TP
5pins	A	M12A05/FF5/BN/TP
	B	M12B05/FF5/BN/TP
8pins	A	M12A08/FF5/BN/TP
12pins	A	M12A12/FF5/BN/TP
17pins	A	M12A17/FF5/BN/TP

Specifications

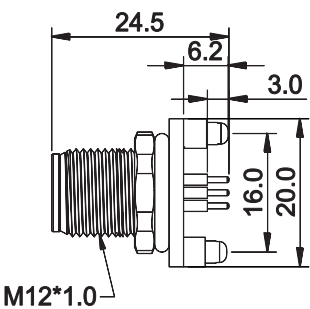
Number of contacts	3	4	5	8	12	17
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C ~ +85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

Male panel connector

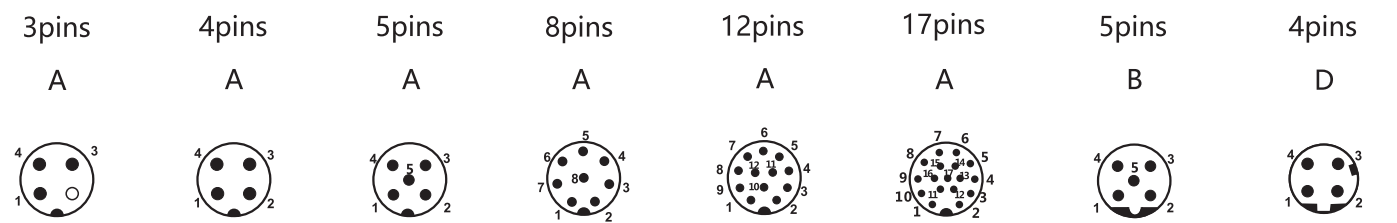
Product figure (M12*1.0 front fastened DIP with location)



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/MF4/BN/TP
3pins	A	M12A03/MF4/BN/TP
4pins	A	M12A04/MF4/BN/TP
	D	M12D04/MF4/BN/TP
5pins	A	M12A05/MF4/BN/TP
	B	M12B05/MF4/BN/TP
8pins	A	M12A08/MF4/BN/TP
12pins	A	M12A12/MF4/BN/TP
17pins	A	M12A17/MF4/BN/TP

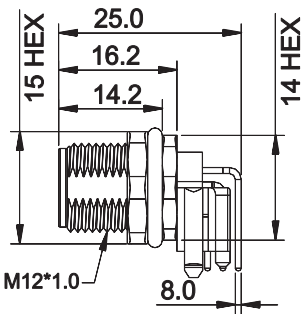
Specifications

Number of contacts	3	4	5	8	12	17
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance	≥100MΩ					
Pin contact	CuZn					
Socket contact	CuSn					
Contact plating	Au					

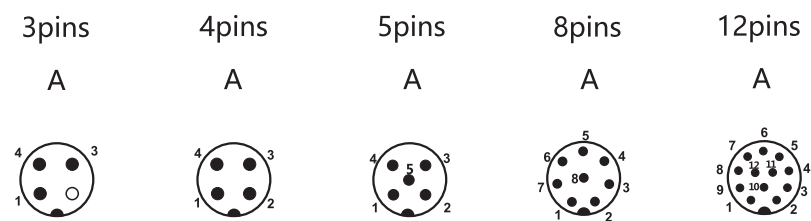
Male panel connector

Product figure (M12*1.0 90° front fastened DIP)

Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/MF4/BN/90
3pins	A	M12A03/MF4/BN/90
4pins	A	M12A04/MF4/BN/90
5pins	A	M12A05/MF4/BN/90
8pins	A	M12A08/MF4/BN/90
12pins	A	M12A12/MF4/BN/90

Specifications

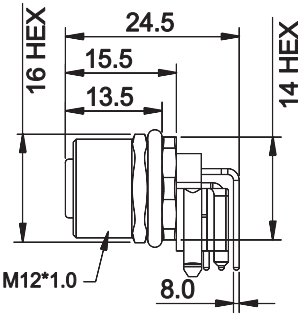
Number of contacts	3	4	5	8	12
Termination	PCB				
Wire gauge	—				
Operating temperature	-25°C~+85°C				
Mechanical operation	> 100 mating cycles				
Rated voltage	250V		60V	30V	
Rated current (40°C)	4A			2A	1.5A
Protection degree	IP67/IP68				
Contact resistance	< 10mΩ				
Insulation resistance	≥100MΩ				
Pin contact	CuZn				
Socket contact	CuSn				
Contact plating	Au				

Female panel connector

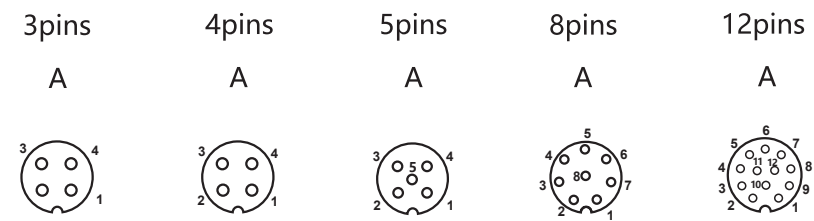
Product figure (M12*1.0 90° front fastened DIP)



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
2pins	A	M12A02/FF4/BN/90
3pins	A	M12A03/FF4/BN/90
4pins	A	M12A04/FF4/BN/90
5pins	A	M12A05/FF4/BN/90
8pins	A	M12A08/FF4/BN/90
12pins	A	M12A12/FF4/BN/90

Specifications

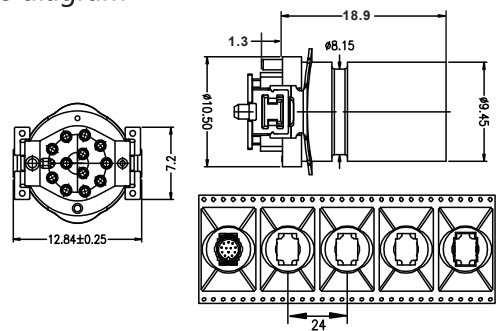
Number of contacts	3	4	5	8	12
Termination	PCB				
Wire gauge	—				
Operating temperature	-25°C~+85°C				
Mechanical operation	> 100 mating cycles				
Rated voltage	250V		60V	30V	
Rated current (40°C)	4A			2A	1.5A
Protection degree	IP67/IP68				
Contact resistance	< 10mΩ				
Insulation resistance	≥100MΩ				
Pin contact	CuZn				
Socket contact	CuSn				
Contact plating	Au				

M12 A-coding male SMT

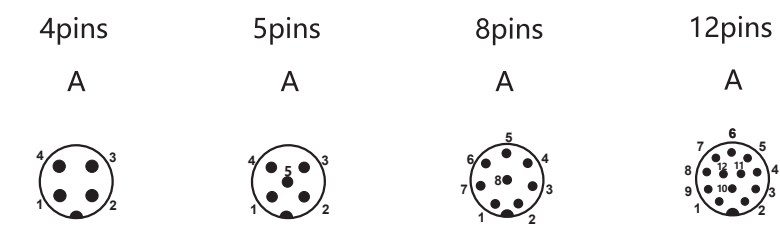
Product figure



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
4pins	A	M12A04/MLP/NA/SM
5pins	A	M12A05/MLP/NA/SM
8pins	A	M12A08/MLP/NA/SM
12pins	A	M12A12/MLP/NA/SM

Specifications

Number of contacts	4	5	8	12
Termination	SMT			
Wire gauge	—			
Operating temperature	-25°C ~ +85°C			
Mechanical operation	> 100 mating cycles			
Rated voltage	250V	60V	30V	
Rated current (40°C)	4A		2A	1.5A
Protection degree	IP67			
Contact resistance	< 10mΩ			
Insulation resistance	≥100MΩ			
Pin contact	CuZn			
Socket contact	CuSn			
Contact plating	Au			

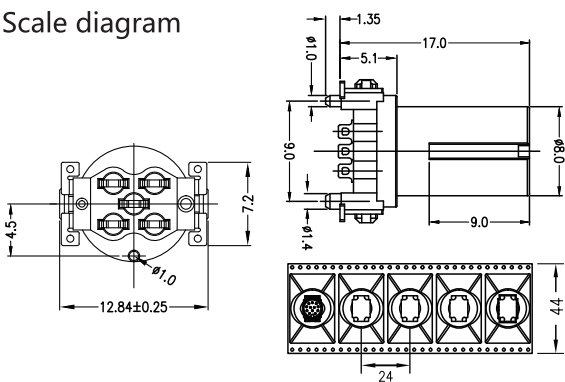


M12 A-coding female SMT

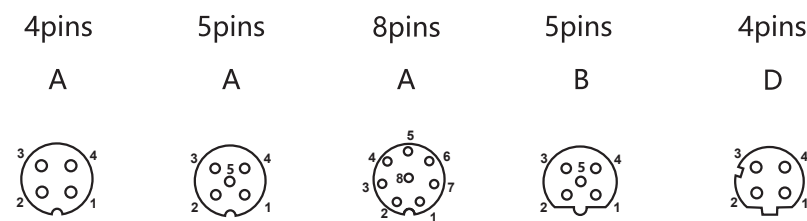
Product figure



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
4pins	A	M12A04/FLP/NA/SM
4pins	D	M12D04/FLP/NA/SM
5pins	A	M12A05/FLP/NA/SM
5pins	B	M12B05/FLP/NA/SM
8pins	A	M12A08/FLP/NA/SM

Specifications

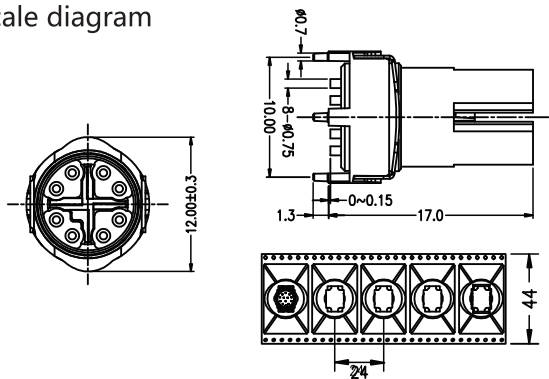
Number of contacts	4	5	8
Termination	SMT		
Wire gauge	—		
Operating temperature	-25°C ~ +85°C		
Mechanical operation	> 100 mating cycles		
Rated voltage	250V	60V	30V
Rated current (40°C)	4A		2A
Protection degree	IP67		
Contact resistance	< 10mΩ		
Insulation resistance	≥100MΩ		
Pin contact	CuZn		
Socket contact	CuSn		
Contact plating	Au		

M12 X-coding female SMT

Product figure



Scale diagram



Contact layout (Front view)

4pins

X



Order Data

Contacts	Coding	Order No	—
8pins	X	M12X08/FLP/NA/SM	black insert
8pins	X	M12X08/FLP/N1/SM	white insert

Specifications

Number of contacts	8
Termination	SMT
Wire gauge	—
Operating temperature	-40°C ~ +85°C
Mechanical operation	> 100 mating cycles
Rated voltage	50V AC / 60V DC
Rated current (40°C)	0.5A
Protection degree	IP67
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

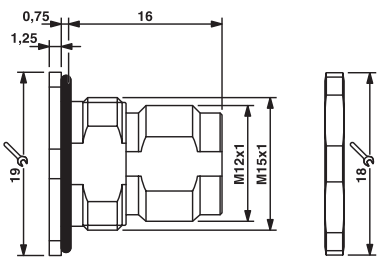


M12 Male SMT Shell

Product figure



Scale diagram

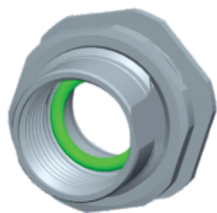


Order No

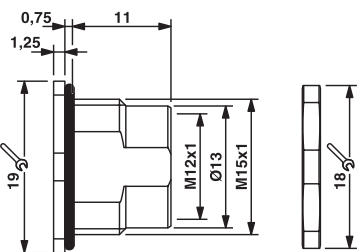
M12000/M/S4/BN

M12 Female SMT Shell

Product figure



Scale diagram



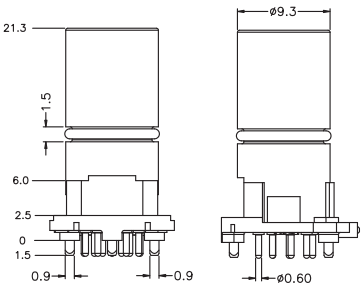
Order No

M12000/M/S4/BN

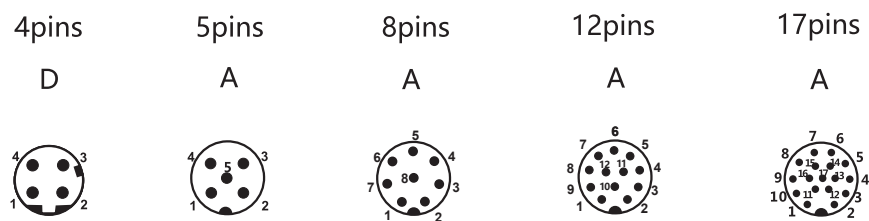
M12 A-coding Male THR

Product figure

Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
4pins	D	M12D04/MLP/NA/TH
5pins	A	M12A05/MLP/NA/TH
8pins	A	M12A08/MLP/NA/TH
12pins	A	M12A12/MLP/NA/TH
17pins	A	M12A17/MLP/NA/TH

Specifications

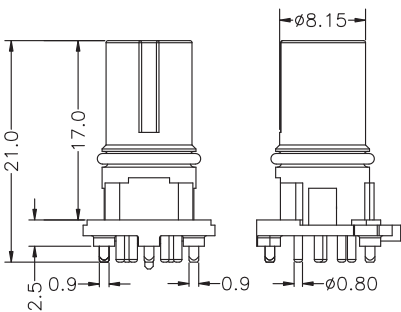
Number of contacts	4	5	8	12	17
Termination	THR				
Wire gauge	—				
Operating temperature	-25°C~ +85°C				
Mechanical operation	> 100 mating cycles				
Rated voltage	250V	60V	30V		
Rated current (40°C)	4A		2A	1.5A	
Protection degree	IP67				
Contact resistance	< 10mΩ				
Insulation resistance	≥100MΩ				
Pin contact	CuZn				
Socket contact	CuSn				
Contact plating	Au				

M12 A-coding Female THR

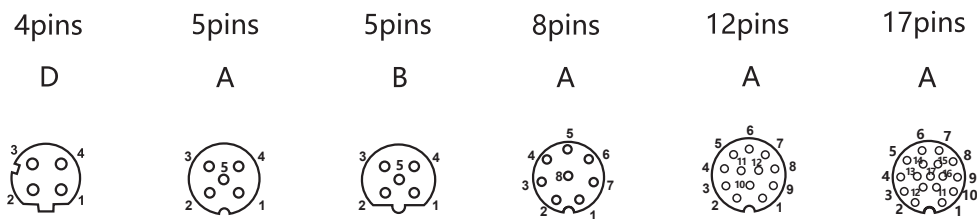
Product figure



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
4pins	D	M12D04/FLP/NA/TH
5pins	A	M12A05/FLP/NA/TH
	B	M12B05/FLP/NA/TH
8pins	A	M12A08/FLP/NA/TH
12pins	A	M12A12/FLP/NA/TH
17pins	A	M12A17/FLP/NA/TH

Specifications

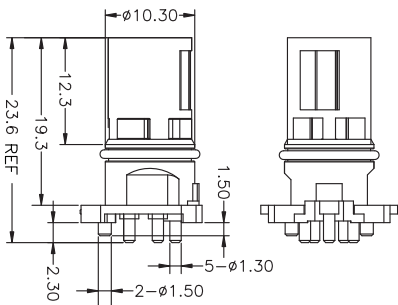
Number of contacts	4	5	8	12	17
Termination	THR				
Wire gauge	—				
Operating temperature	-25°C~+85°C				
Mechanical operation	> 100 mating cycles				
Rated voltage	250V	60V	30V		
Rated current (40°C)	4A		2A	1.5A	
Protection degree	IP67				
Contact resistance	< 10mΩ				
Insulation resistance	≥100MΩ				
Pin contact	CuZn				
Socket contact	CuSn				
Contact plating	Au				

M12 L-coding Male THR

Product figure



Scale diagram



Contact layout (Front view)

4+FE

L



Order Data

Contacts	Coding	Order No
5pins	L	M12L4F/MLP/NA/TH

Specifications

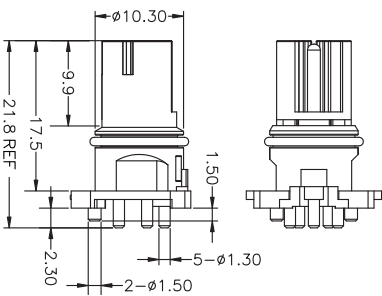
Number of contacts	5
Termination	THR
Wire gauge	—
Operating temperature	-25°C~+85°C
Mechanical operation	> 100 mating cycles
Rated voltage	63V
Rated current (40°C)	16A
Protection degree	IP67
Contact resistance	< 10mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

M12 L-coding Female THR

Product figure



Scale diagram



Contact layout (Front view)

4+FE

L



Order Data

Contacts	Coding	Order No
5pins	L	M12L4F/FLP/NA/TH

Specifications

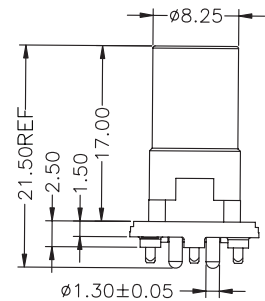
Number of contacts	5
Termination	THR
Wire gauge	—
Operating temperature	-25°C~+85°C
Mechanical operation	> 100 mating cycles
Rated voltage	63V
Rated current (40°C)	16A
Protection degree	IP67
Contact resistance	< 10mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

M12 T-coding Male THR

Product figure



Scale diagram



Contact layout (Front view)

4pins

T



Order Data

Contacts	Coding	Order No
4pins	T	M12T04/MLP/NA/TH

Specifications

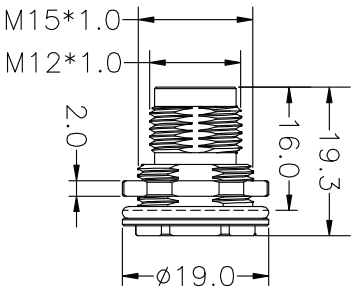
Number of contacts	4
Termination	THR
Wire gauge	—
Operating temperature	-25°C~+85°C
Mechanical operation	> 100 mating cycles
Rated voltage	63V
Rated current (40°C)	12A
Protection degree	IP67
Contact resistance	< 10mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

M12 Male THR Shell

Product figure



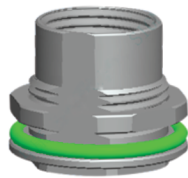
Scale diagram



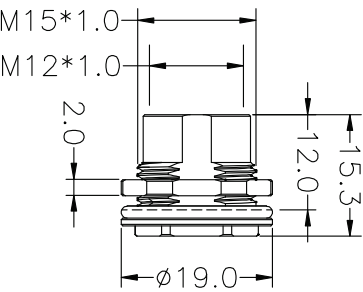
Order No	M12000/MT4/BN
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M12 Female THR Shell

Product figure



Scale diagram



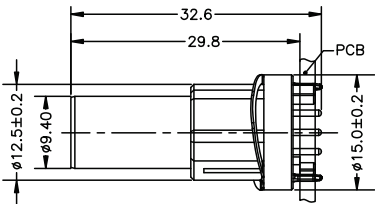
Order No	M12000/FT4/BN
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Male PCB

Product figure



Scale diagram



Contact layout (Front view)

4pins
A



5pins
A



Order Data

Contacts	Coding	Order No
4pins	A	M12A04/MLP/NA/TG
5pins	A	M12A05/MLP/NA/TG

Specifications

Number of contacts	4	5
Termination	PCB	
Wire gauge	—	
Operating temperature	-25°C ~ +85°C	
Mechanical operation	> 100 mating cycles	
Rated voltage	250V	60V
Rated current (40°C)	4A	
Protection degree	IP67/IP68	
Contact resistance	< 10mΩ	
Insulation resistance	≥100MΩ	
Pin contact	CuZn	
Socket contact	CuSn	
Contact plating	Au	

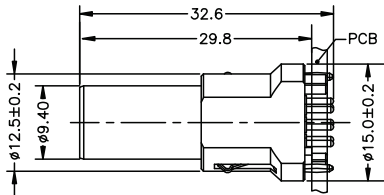


Male PCB

Product figure



Scale diagram



Contact layout (Front view)

8pins

A



Order Data

Contacts	Coding	Order No
8pins	A	M12A08/MLP/NA/TG

Specifications

Number of contacts	8
Termination	PCB
Wire gauge	—
Operating temperature	-25°C ~ +85°C
Mechanical operation	> 100 mating cycles
Rated voltage	30V
Rated current (40°C)	2A
Protection degree	IP67/IP68
Contact resistance	< 10mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

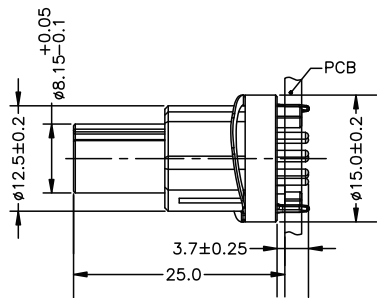


Female PCB

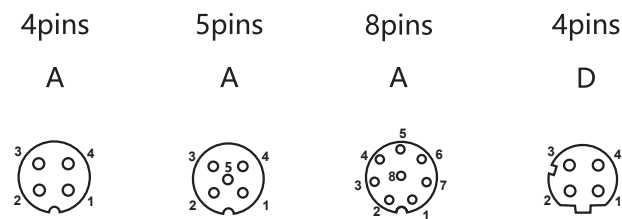
Product figure



Scale diagram



Contact layout (Front view)



Order Data

Contacts	Coding	Order No
4pins	A	M12A04/FLP/NA/TG
4pins	D	M12D04/FLP/NA/TG
5pins	A	M12A05/FLP/NA/TG
8pins	A	M12A08/FLP/NA/TG

Specifications

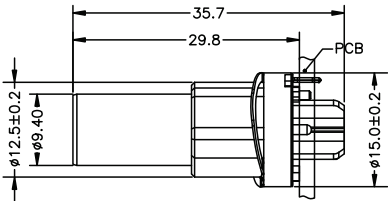
Number of contacts	4	5	8
Termination	PCB		
Wire gauge	—		
Operating temperature	-25°C~+85°C		
Mechanical operation	> 100 mating cycles		
Rated voltage	250V	60V	
Rated current (40°C)	4A		2A
Protection degree	IP67/IP68		
Contact resistance	< 10mΩ		
Insulation resistance	≥100MΩ		
Pin contact	CuZn		
Socket contact	CuSn		
Contact plating	Au		

Male PCB

Product figure



Scale diagram



Contact layout (Front view)

3+PE
S

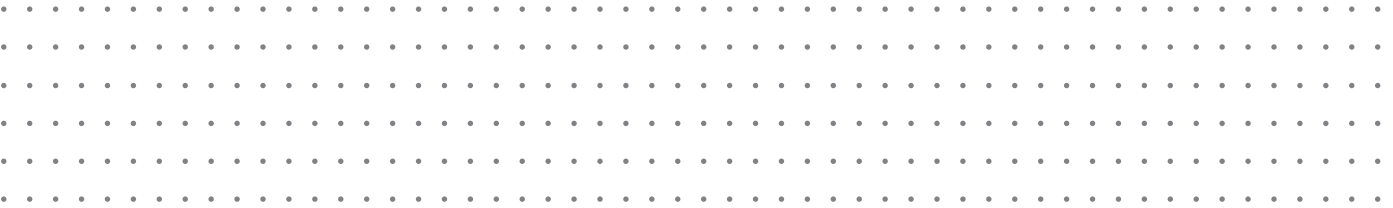


Order Data

Contacts	Coding	Order No
4pins	S	M12S3P/MLP/NA/TG

Specifications

Number of contacts	4
Termination	PCB
Wire gauge	—
Operating temperature	-25°C ~ +85°C
Mechanical operation	> 100 mating cycles
Rated voltage	630V
Rated current (40°C)	12A
Protection degree	IP67/IP68
Contact resistance	< 10mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

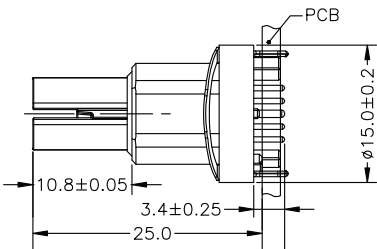


Male PCB

Product figure



Scale diagram



Contact layout (Front view)

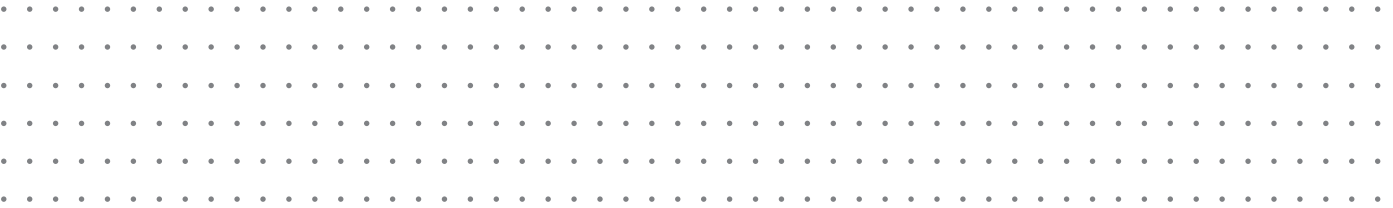


Order Data

Contacts	Coding	Order No
8pins	X	M12X08/MLP/NA/TG

Specifications

Number of contacts	8
Termination	PCB
Wire gauge	—
Operating temperature	-25°C ~ +85°C
Mechanical operation	> 100 mating cycles
Rated voltage	50V AC / 60V DC
Rated current (40°C)	0.5A
Protection degree	IP67/IP68
Contact resistance	< 10mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

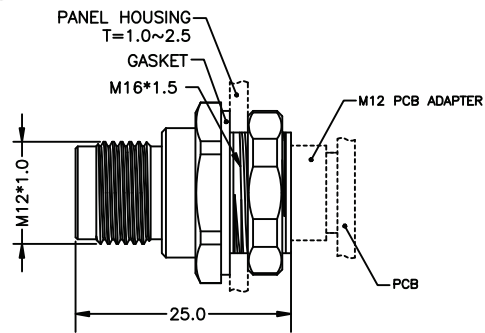


Male PCB adapter shell

Product figure



Scale diagram



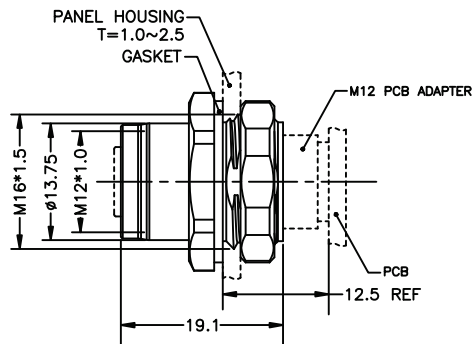
Order No	M12000/MG2/BN
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Female PCB adapter shell

Product figure



Scale diagram



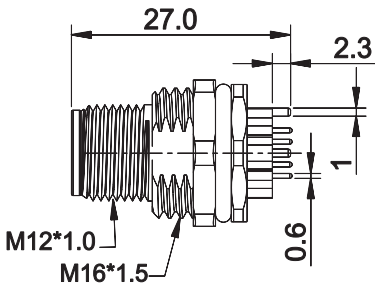
Order No	M12000/FG2/BN
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Male panel connector

Product figure (M16*1.5 front fastened DIP)



Scale diagram



Contact layout (Front view)

8pins

X

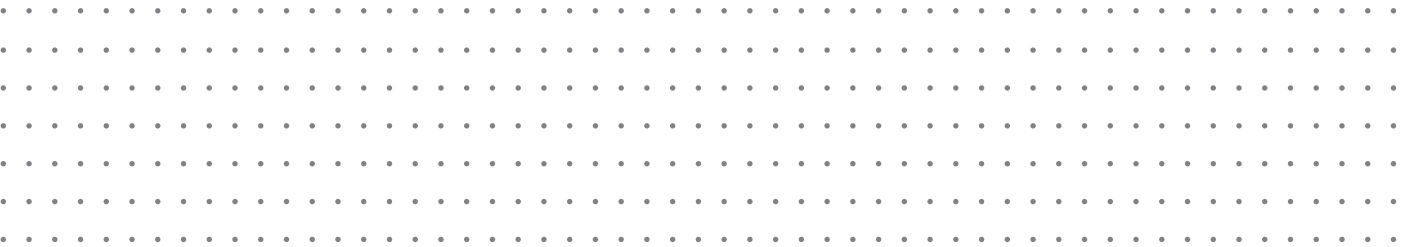


Order Data

Contacts	Coding	Order No
8pins	X	M12X08/MF5/BN/TH

Specifications

Number of contacts	8
Termination	PCB
Wire gauge	—
Operating temperature	-40°C ~ +85°C
Mechanical operation	> 100 mating cycles
Rated voltage	50V AC / 60V DC
Rated current (40°C)	0.5A
Protection degree	IP67/IP68
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

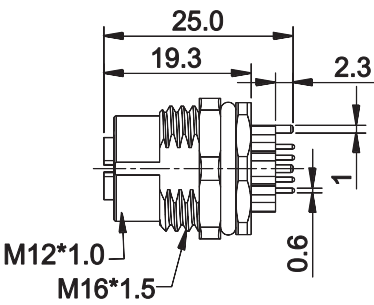


Female panel connector

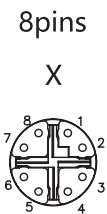
Product figure (M16*1.5 front fastened DIP)



Scale diagram



Contact layout (Front view)

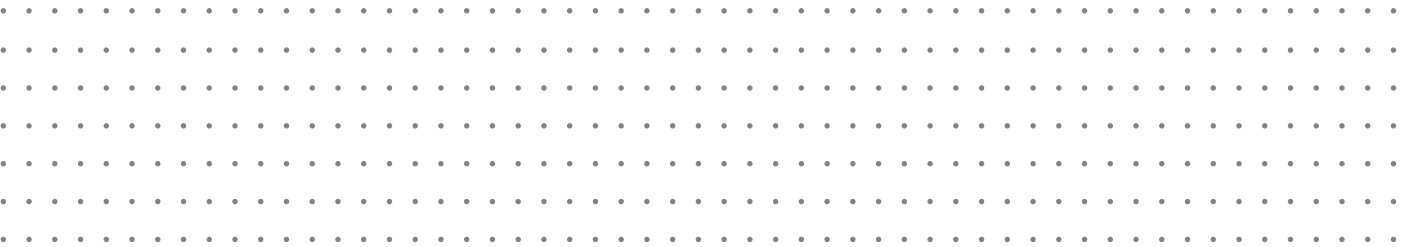


Order Data

Contacts	Coding	Order No
8pins	X	M12X08/FF5/BN/TH

Specifications

Number of contacts	8
Termination	PCB
Wire gauge	—
Operating temperature	-40°C ~ +85°C
Mechanical operation	> 100 mating cycles
Rated voltage	50V AC / 60V DC
Rated current (40°C)	0.5A
Protection degree	IP67/IP68
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

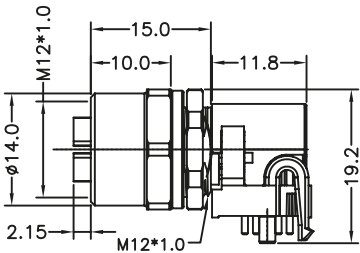


Female panel connector

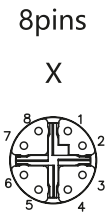
Product figure



Scale diagram



Contact layout (Front view)

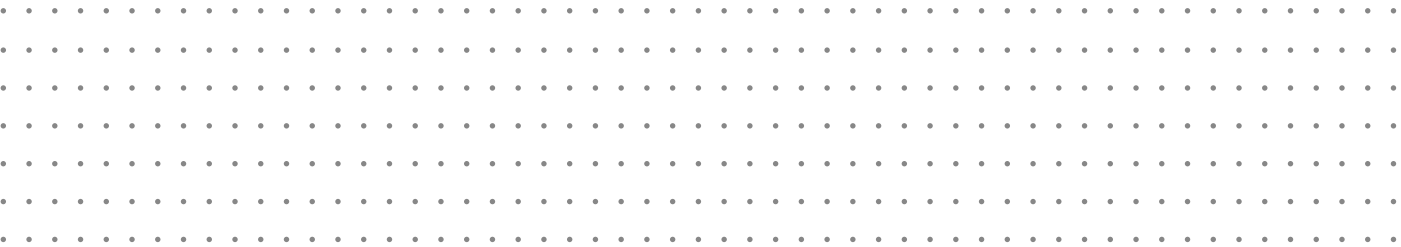


Order Data

Contacts	Coding	Order No
8pins	X	M12X08/FF4/BN/90

Specifications

Number of contacts	8
Termination	PCB
Wire gauge	—
Operating temperature	-40°C ~ +85°C
Mechanical operation	> 100 mating cycles
Rated voltage	50V AC / 60V DC
Rated current (40°C)	0.5A
Protection degree	IP67/IP68
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

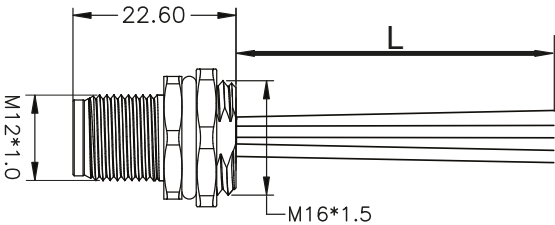


Male panel connector

Product figure (rear fastened)



Scale diagram



Contact layout (Front view)

2+PE

S



3+PE

S

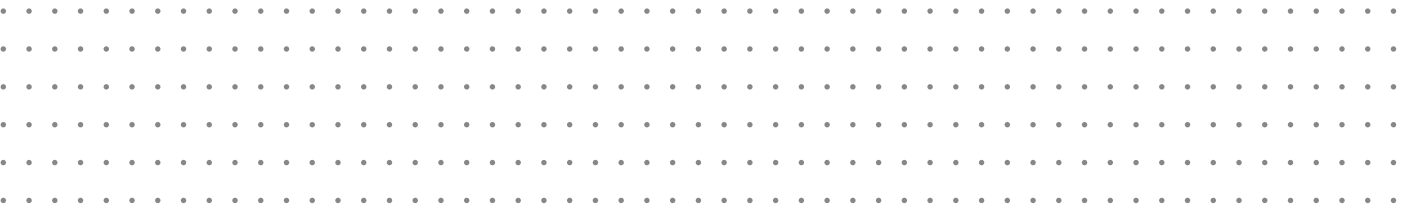


Order Data

Contacts	Coding	Order No
2+PE	S	M12S2P/MF2/BN/FL
3+PE	S	M12S3P/MF2/BN/FL

Specifications

Number of contacts	2+PE	3+PE
Termination	solder	
Wire gauge	max. 1.5mm ² (max.16 AWG)	
Operating temperature	-40°C ~ +80°C	
Mechanical operation	> 100 mating cycles	
Rated voltage	630V	
Rated current (40°C)	12A	
Protection degree	IP67/IP68	
Contact resistance	≤3mΩ	
Insulation resistance	≥100MΩ	
Pin contact	CuZn	
Socket contact	CuSn	
Contact plating	Au	

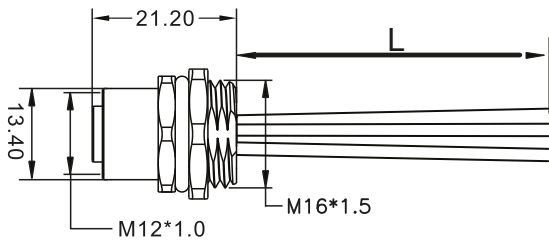


Female panel connector

Product figure (rear fastened)



Scale diagram



Contact layout (Front view)

2+PE

S



3+PE

S

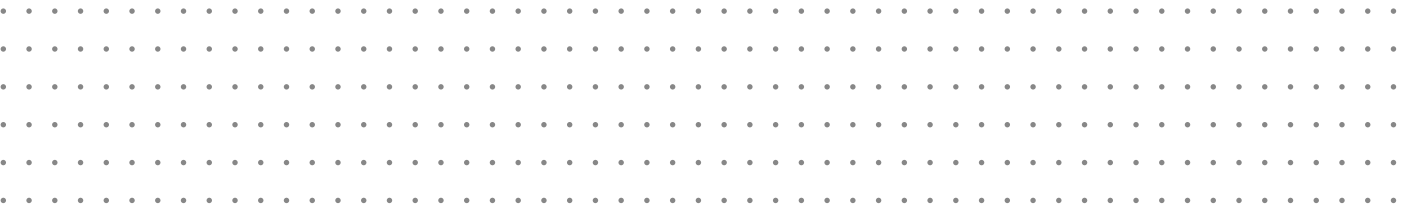


Order Data

Contacts		Order No
2+PE	S	M12S2P/FF2/BN/FL
3+PE	S	M12S3P/FF2/BN/FL

Specifications

Number of contacts	2+PE	3+PE
Termination	solder	
Wire gauge	max. 1.5mm ² (max.16 AWG)	
Operating temperature	-40°C ~ +80°C	
Mechanical operation	> 100 mating cycles	
Rated voltage	630V	
Rated current (40°C)	12A	
Protection degree	IP67/IP68	
Contact resistance	≤3mΩ	
Insulation resistance	≥100MΩ	
Pin contact	CuZn	
Socket contact	CuSn	
Contact plating	Au	

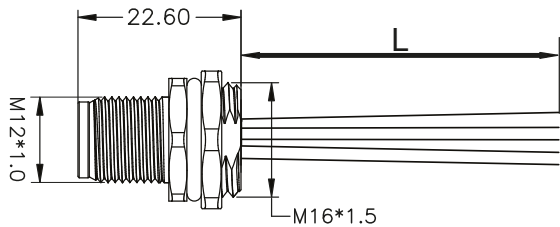


Male panel connector

Product figure (rear fastened)



Scale diagram



Contact layout (Front view)

4pins

T

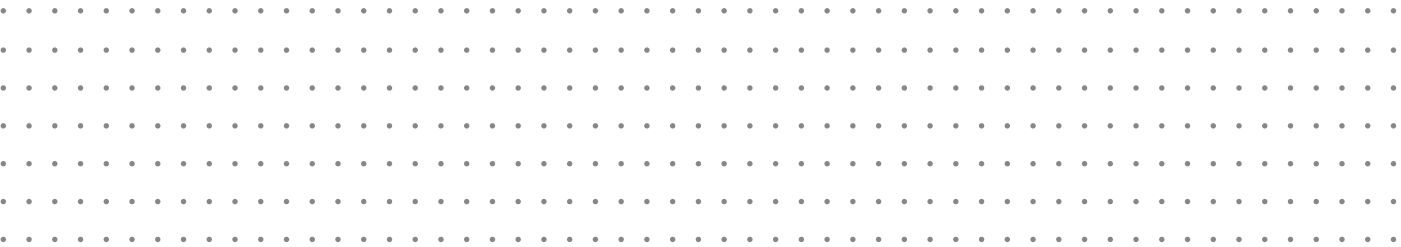


Order Data

Contacts	Coding	Order No
4pins	T	M12T04/MF2/BN/FL

Specifications

Number of contacts	4
Termination	solder
Wire gauge	max. 1.5mm ² (max.16 AWG)
Operating temperature	-40°C ~ +80°C
Mechanical operation	> 100 mating cycles
Rated voltage	63V
Rated current (40°C)	12A
Protection degree	IP67/IP68
Contact resistance	≤3mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

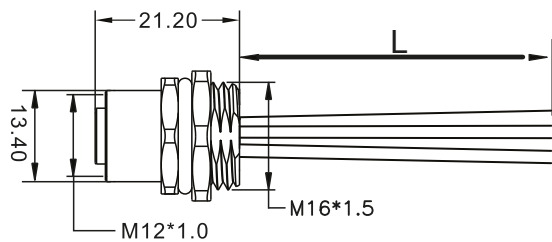


Female panel connector

Product figure (rear fastened)



Scale diagram



Contact layout (Front view)

4pins

T

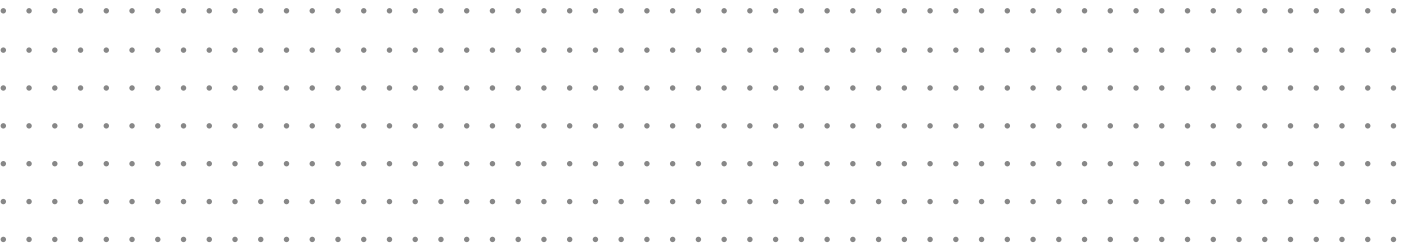


Order Data

Contacts	Coding	Order No
4pins	T	M12T04/FF2/BN/FL

Specifications

Number of contacts	4
Termination	solder
Wire gauge	max. 1.5mm ² (max.16 AWG)
Operating temperature	-40°C ~ +80°C
Mechanical operation	> 100 mating cycles
Rated voltage	63V
Rated current (40°C)	12A
Protection degree	IP67/IP68
Contact resistance	≤3mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

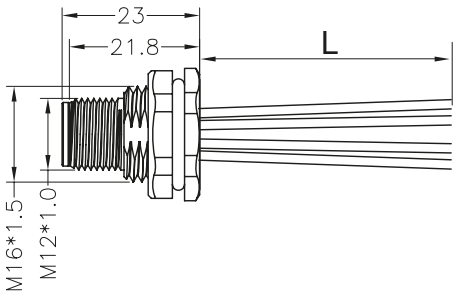


Male panel connector

Product figure (front fastened)



Scale diagram



Contact layout (Front view)

4+FE

E

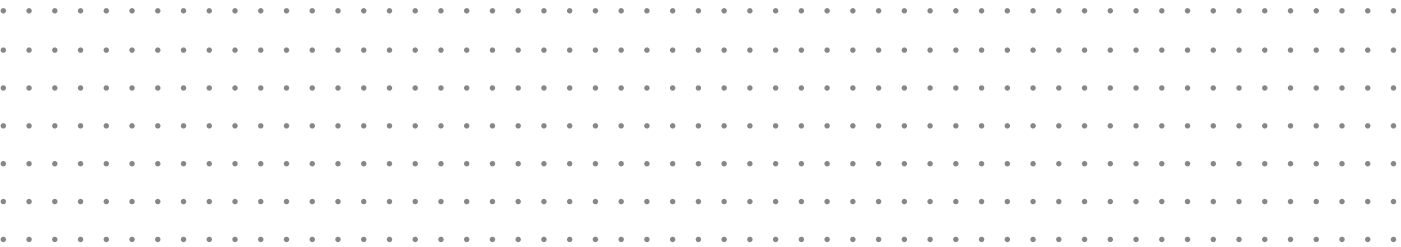


Order Data

Contacts	Coding	Order No
4+FE	E	M12E4F/MF5/BN/FL

Specifications

Number of contacts	4 + FE
Termination	solder
Wire gauge	max. 1.5mm²(max.16 AWG)
Operating temperature	-40°C ~ +80°C
Mechanical operation	> 100 mating cycles
Rated voltage	63V
Rated current (40°C)	16A
Protection degree	IP67/IP68
Contact resistance	≤3mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

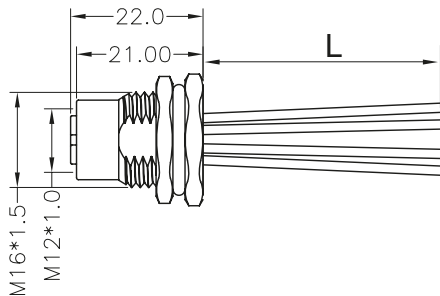


Female panel connector

Product figure (front fastened)



Scale diagram



Contact layout (Front view)

4+FE

E

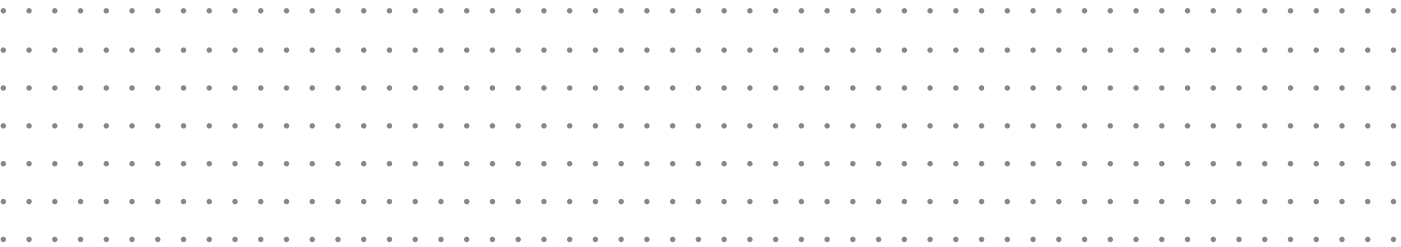


Order Data

Contacts	Coding	Order No
4+FE	E	M12E4F/FF5/BN/FL

Specifications

Number of contacts	4+FE
Termination	solder
Wire gauge	max. 1.5mm ² (max.16 AWG)
Operating temperature	-40°C~+80°C
Mechanical operation	> 100 mating cycles
Rated voltage	63V
Rated current (40°C)	16A
Protection degree	IP67/IP68
Contact resistance	≤3mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

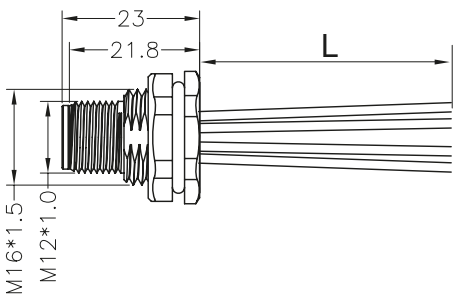


Male panel connector

Product figure (front fastened)



Scale diagram



Contact layout (Front view)

4pins

F

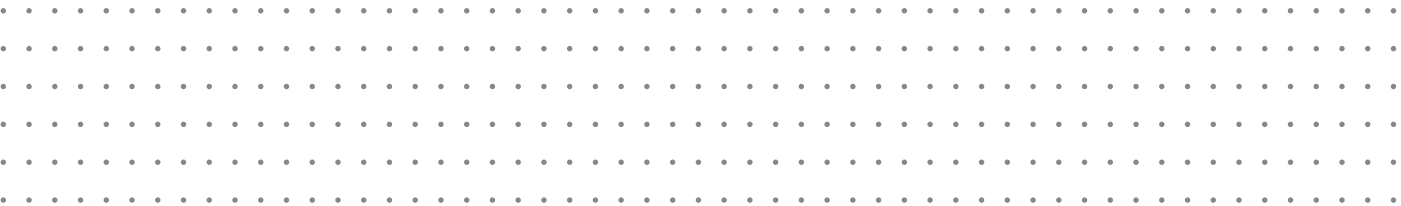


Order Data

Contacts	Coding	Order No
4pins	F	M12F04/MF5/BN/FL

Specifications

Number of contacts	4
Termination	solder
Wire gauge	max. 1.5mm ² (max.16 AWG)
Operating temperature	-40°C ~ +80°C
Mechanical operation	> 100 mating cycles
Rated voltage	63V
Rated current (40°C)	16A
Protection degree	IP67/IP68
Contact resistance	≤3mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

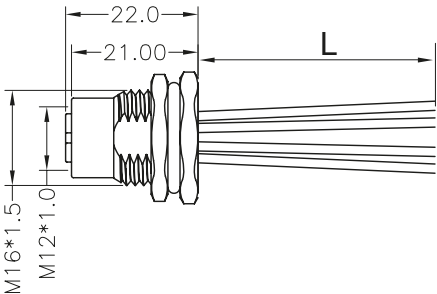


Female panel connector

Product figure (front fastened)



Scale diagram



Contact layout (Front view)

4pins

F

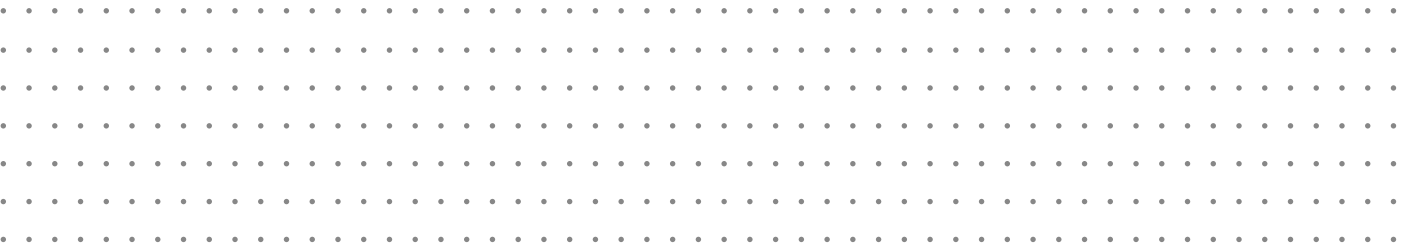


Order Data

Contacts	Coding	Order No
4pins	F	M12F04/FF5/BN/FL

Specifications

Number of contacts	4
Termination	solder
Wire gauge	max. 1.5mm²(max.16 AWG)
Operating temperature	-40°C~+80°C
Mechanical operation	> 100 mating cycles
Rated voltage	63V
Rated current (40°C)	16A
Protection degree	IP67/IP68
Contact resistance	≤3mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

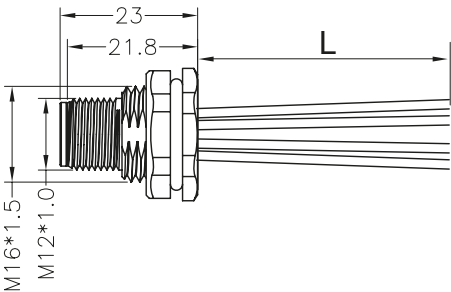


Male panel connector

Product figure (front fastened)



Scale diagram



Contact layout (Front view)

4+PE

K



Order Data

Contacts	Coding	Order No
4+PE	K	M12K4P/MF5/BN/FL

Specifications

Number of contacts	4+PE
Termination	solder
Wire gauge	max. 1.5mm ² (max.16 AWG)
Operating temperature	-40°C~+85°C
Mechanical operation	> 100 mating cycles
Rated voltage	630V
Rated current (40°C)	12A
Protection degree	IP67/IP68
Contact resistance	≤3mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

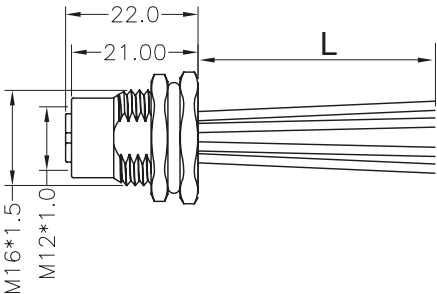


Female panel connector

Product figure (front fastened)



Scale diagram



Contact layout (Front view)

4+PE

K

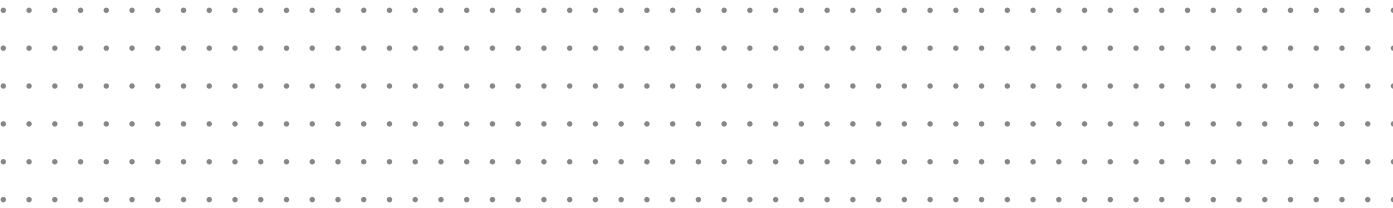


Order Data

Contacts	Coding	Order No
4+PE	K	M12K4P/FF5/BN/FL

Specifications

Number of contacts	4+PE
Termination	solder
Wire gauge	max. 1.5mm ² (max.16 AWG)
Operating temperature	-40°C~+85°C
Mechanical operation	> 100 mating cycles
Rated voltage	630V
Rated current (40°C)	12A
Protection degree	IP67/IP68
Contact resistance	≤3mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

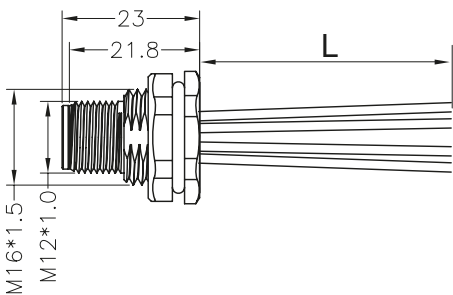


Male panel connector

Product figure (front fastened)



Scale diagram



Contact layout (Front view)

4+FE

L

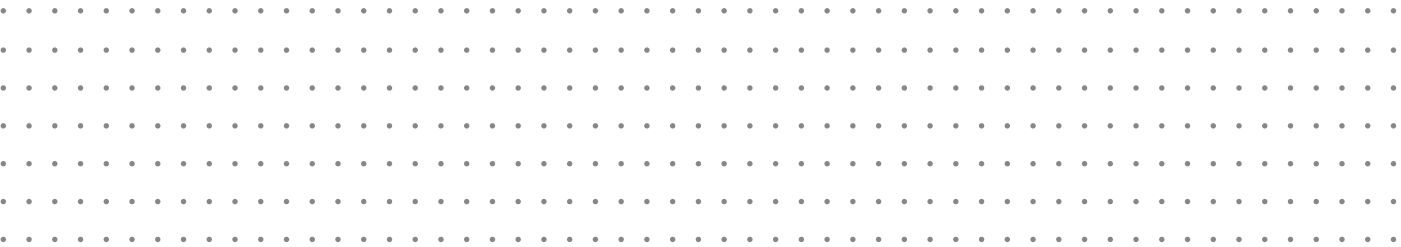


Order Data

Contacts	Coding	Order No
4+FE	L	M12L4F/MF5/BN/FL

Specifications

Number of contacts	4+FE
Termination	solder
Wire gauge	max. 1.5mm²(max.16 AWG)
Operating temperature	-40°C~+80°C
Mechanical operation	> 100 mating cycles
Rated voltage	63V
Rated current (40°C)	16A
Protection degree	IP67/IP68
Contact resistance	≤3mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

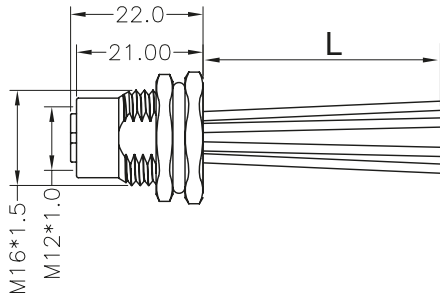


Female panel connector

Product figure (front fastened)



Scale diagram



Contact layout (Front view)

4+FE

L

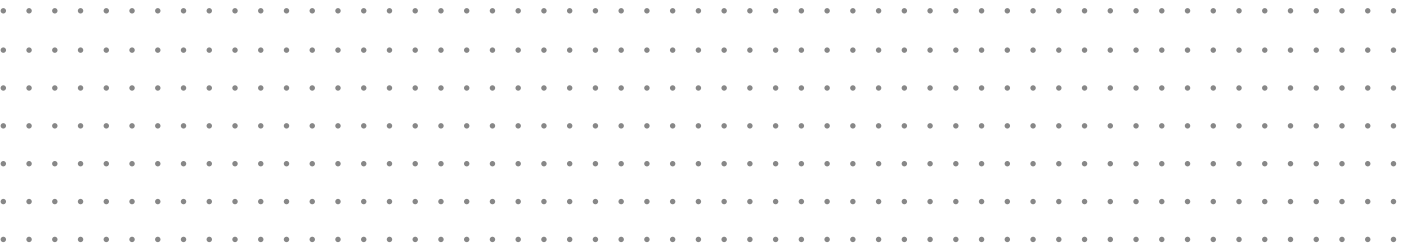


Order Data

Contacts	Coding	Order No
4+FE	L	M12L4F/FF5/BN/FL

Specifications

Number of contacts	4+FE
Termination	solder
Wire gauge	max. 1.5mm²(max.16 AWG)
Operating temperature	-40°C~+80°C
Mechanical operation	> 100 mating cycles
Rated voltage	63V
Rated current (40°C)	16A
Protection degree	IP67/IP68
Contact resistance	≤3mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

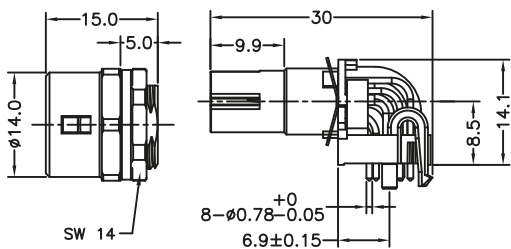


Female panel connector

Product figure



Scale diagram



Contact layout (Front view)

8pins

Y

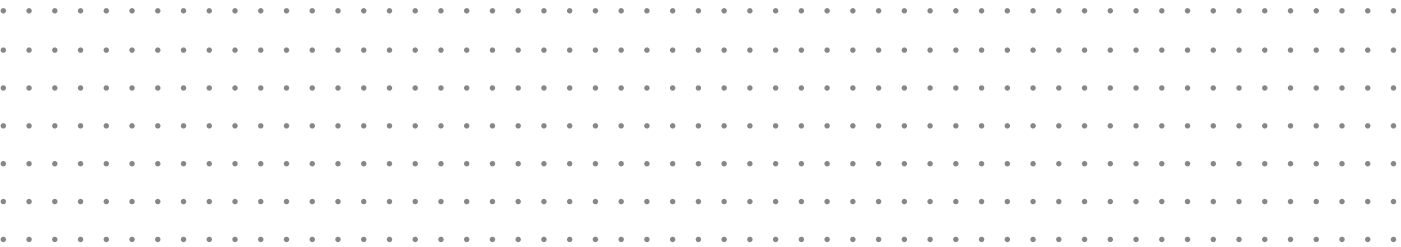


Order Data

Contacts	Coding	Order No
8pins	Y	M12Y08/FF4/BN/90

Specifications

Number of contacts	8
Termination	PCB
Wire gauge	—
Operating temperature	-25°C ~ +85°C
Mechanical operation	> 100 mating cycles
Rated voltage	50V
Rated current (40°C)	6A/0.5A
Protection degree	IP67/IP68
Contact resistance	≤10mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating	Au

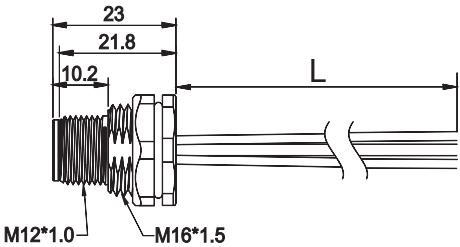


Male panel connector

Product figure (front fastened)



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A

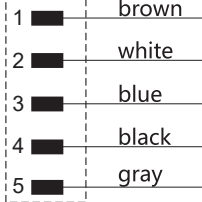
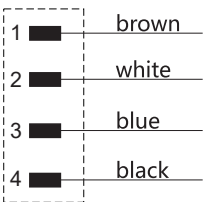
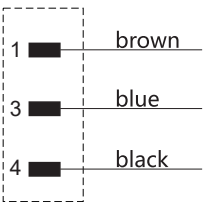


5pins

A



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC	TPE
0.1M	3pins	0.34mm ²	M12A03/MF5/BN/FL/02/0100	M12A03/MF5/BN/FL/12/0100
	4pins	0.34mm ²	M12A04/MF5/BN/FL/02/0100	M12A04/MF5/BN/FL/12/0100
	5pins	0.34mm ²	M12A05/MF5/BN/FL/02/0100	M12A05/MF5/BN/FL/12/0100
0.2M	3pins	0.34mm ²	M12A03/MF5/BN/FL/02/0200	M12A03/MF5/BN/FL/12/0200
	4pins	0.34mm ²	M12A04/MF5/BN/FL/02/0200	M12A04/MF5/BN/FL/12/0200
	5pins	0.34mm ²	M12A05/MF5/BN/FL/02/0200	M12A05/MF5/BN/FL/12/0200
0.5M	3pins	0.34mm ²	M12A03/MF5/BN/FL/02/0500	M12A03/MF5/BN/FL/12/0500
	4pins	0.34mm ²	M12A04/MF5/BN/FL/02/0500	M12A04/MF5/BN/FL/12/0500
	5pins	0.34mm ²	M12A05/MF5/BN/FL/02/0500	M12A05/MF5/BN/FL/12/0500
1.0M	3pins	0.34mm ²	M12A03/MF5/BN/FL/02/1000	M12A03/MF5/BN/FL/12/1000
	4pins	0.34mm ²	M12A04/MF5/BN/FL/02/1000	M12A04/MF5/BN/FL/12/1000
	5pins	0.34mm ²	M12A05/MF5/BN/FL/02/1000	M12A05/MF5/BN/FL/12/1000

Specifications

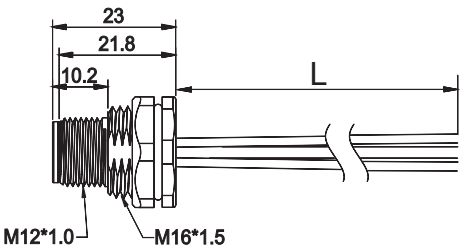
Number of contacts	3	4	5
Rated voltage	250V		60V
Rated current (40°C)	4A		
Protection degree	IP67/IP68		
Operating temperature	-25°C ~ +80°C		

Male panel connector

Product figure (front fastened)



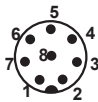
Scale diagram



Contact layout (Front view)

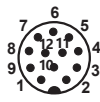
8pins

A



12pins

A



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC	TPE
0.1M	8pins	0.25mm ²	M12A08/MF5/BN/FL/01/0100	M12A08/MF5/BN/FL/11/0100
	12pins	0.25mm ²	M12A12/MF5/BN/FL/01/0100	M12A12/MF5/BN/FL/11/0100
0.2M	8pins	0.25mm ²	M12A08/MF5/BN/FL/01/0200	M12A08/MF5/BN/FL/11/0200
	12pins	0.25mm ²	M12A12/MF5/BN/FL/01/0200	M12A12/MF5/BN/FL/11/0200
0.5M	8pins	0.25mm ²	M12A08/MF5/BN/FL/01/0500	M12A08/MF5/BN/FL/11/0500
	12pins	0.25mm ²	M12A12/MF5/BN/FL/01/0500	M12A12/MF5/BN/FL/11/0500
1.0M	8pins	0.25mm ²	M12A08/MF5/BN/FL/01/1000	M12A08/MF5/BN/FL/11/1000
	12pins	0.25mm ²	M12A12/MF5/BN/FL/01/1000	M12A12/MF5/BN/FL/11/1000

Specifications

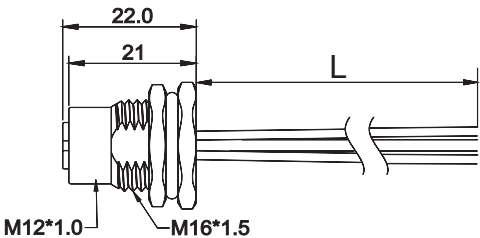
Number of contacts	8	12
Rated voltage	30V	
Rated current (40°C)	2A	1.5A
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	

Female panel connector

Product figure (front fastened)



Scale diagram



Contact layout (Front view)

3pins
A



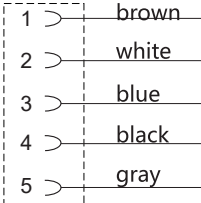
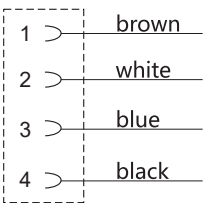
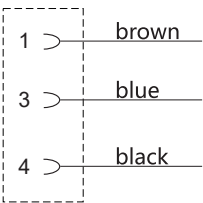
4pins
A



5pins
A



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC	TPE
0.1M	3pins	0.34mm ²	M12A03/FF5/BN/FL/02/0100	M12A03/FF5/BN/FL/12/0100
	4pins	0.34mm ²	M12A04/FF5/BN/FL/02/0100	M12A04/FF5/BN/FL/12/0100
	5pins	0.34mm ²	M12A05/FF5/BN/FL/02/0100	M12A05/FF5/BN/FL/12/0100
0.2M	3pins	0.34mm ²	M12A03/FF5/BN/FL/02/0200	M12A03/FF5/BN/FL/12/0200
	4pins	0.34mm ²	M12A04/FF5/BN/FL/02/0200	M12A04/FF5/BN/FL/12/0200
	5pins	0.34mm ²	M12A05/FF5/BN/FL/02/0200	M12A05/FF5/BN/FL/12/0200
0.5M	3pins	0.34mm ²	M12A03/FF5/BN/FL/02/0500	M12A03/FF5/BN/FL/12/0500
	4pins	0.34mm ²	M12A04/FF5/BN/FL/02/0500	M12A04/FF5/BN/FL/12/0500
	5pins	0.34mm ²	M12A05/FF5/BN/FL/02/0500	M12A05/FF5/BN/FL/12/0500
1.0M	3pins	0.34mm ²	M12A03/FF5/BN/FL/02/1000	M12A03/FF5/BN/FL/12/1000
	4pins	0.34mm ²	M12A04/FF5/BN/FL/02/1000	M12A04/FF5/BN/FL/12/1000
	5pins	0.34mm ²	M12A05/FF5/BN/FL/02/1000	M12A05/FF5/BN/FL/12/1000

Specifications

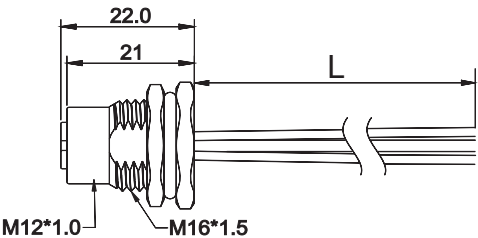
Number of contacts	3	4	5
Rated voltage	250V		60V
Rated current (40°C)	4A		
Protection degree	IP67/IP68		
Operating temperature	-25°C ~ +80°C		

Female panel connector

Product figure (front fastened)



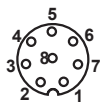
Scale diagram



Contact layout (Front view)

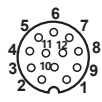
8pins

A



12pins

A



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC	TPE
0.1M	8pins	0.25mm ²	M12A08/FF5/BN/FL/01/0100	M12A08/FF5/BN/FL/11/0100
	12pins	0.25mm ²	M12A12/FF5/BN/FL/01/0100	M12A12/FF5/BN/FL/11/0100
0.2M	8pins	0.25mm ²	M12A08/FF5/BN/FL/01/0200	M12A08/FF5/BN/FL/11/0200
	12pins	0.25mm ²	M12A12/FF5/BN/FL/01/0200	M12A12/FF5/BN/FL/11/0200
0.5M	8pins	0.25mm ²	M12A08/FF5/BN/FL/01/0500	M12A08/FF5/BN/FL/11/0500
	12pins	0.25mm ²	M12A12/FF5/BN/FL/01/0500	M12A12/FF5/BN/FL/11/0500
1.0M	8pins	0.25mm ²	M12A08/FF5/BN/FL/01/1000	M12A08/FF5/BN/FL/11/1000
	12pins	0.25mm ²	M12A12/FF5/BN/FL/01/1000	M12A12/FF5/BN/FL/11/1000

Specifications

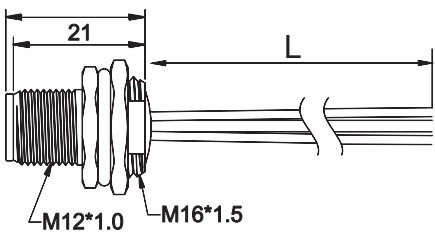
Number of contacts	8	12
Rated voltage	30V	
Rated current (40°C)	2A	1.5A
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	

Male panel connector

Product figure (rear fastened)



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A

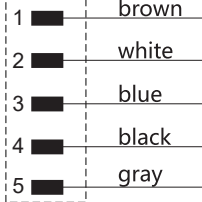
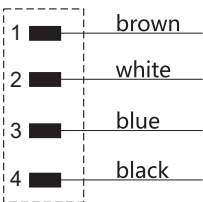
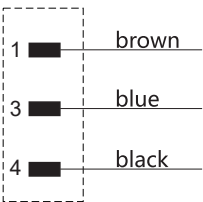


5pins

A



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC	TPE
0.1M	3pins	0.34mm ²	M12A03/MF2/BN/FL/02/0100	M12A03/MF2/BN/FL/12/0100
	4pins	0.34mm ²	M12A04/MF2/BN/FL/02/0100	M12A04/MF2/BN/FL/12/0100
	5pins	0.34mm ²	M12A05/MF2/BN/FL/02/0100	M12A05/MF2/BN/FL/12/0100
0.2M	3pins	0.34mm ²	M12A03/MF2/BN/FL/02/0200	M12A03/MF2/BN/FL/12/0200
	4pins	0.34mm ²	M12A04/MF2/BN/FL/02/0200	M12A04/MF2/BN/FL/12/0200
	5pins	0.34mm ²	M12A05/MF2/BN/FL/02/0200	M12A05/MF2/BN/FL/12/0200
0.5M	3pins	0.34mm ²	M12A03/MF2/BN/FL/02/0500	M12A03/MF2/BN/FL/12/0500
	4pins	0.34mm ²	M12A04/MF2/BN/FL/02/0500	M12A04/MF2/BN/FL/12/0500
	5pins	0.34mm ²	M12A05/MF2/BN/FL/02/0500	M12A05/MF2/BN/FL/12/0500
1.0M	3pins	0.34mm ²	M12A03/MF2/BN/FL/02/1000	M12A03/MF2/BN/FL/12/1000
	4pins	0.34mm ²	M12A04/MF2/BN/FL/02/1000	M12A04/MF2/BN/FL/12/1000
	5pins	0.34mm ²	M12A05/MF2/BN/FL/02/1000	M12A05/MF2/BN/FL/12/1000

Specifications

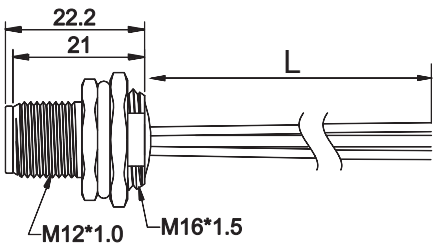
Number of contacts	3	4	5
Rated voltage	250V		60V
Rated current (40°C)	4A		
Protection degree	IP67/IP68		
Operating temperature	-25°C ~ +80°C		

Male panel connector

Product figure (rear fastened)



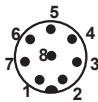
Scale diagram



Contact layout (Front view)

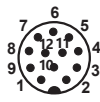
8pins

A



12pins

A



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC	TPE
0.1M	8pins	0.25mm ²	M12A08/MF2/BN/FL/01/0100	M12A08/MF2/BN/FL/11/0100
	12pins	0.25mm ²	M12A12/MF2/BN/FL/01/0100	M12A12/MF2/BN/FL/11/0100
0.2M	8pins	0.25mm ²	M12A08/MF2/BN/FL/01/0200	M12A08/MF2/BN/FL/11/0200
	12pins	0.25mm ²	M12A12/MF2/BN/FL/01/0200	M12A12/MF2/BN/FL/11/0200
0.5M	8pins	0.25mm ²	M12A08/MF2/BN/FL/01/0500	M12A08/MF2/BN/FL/11/0500
	12pins	0.25mm ²	M12A12/MF2/BN/FL/01/0500	M12A12/MF2/BN/FL/11/0500
1.0M	8pins	0.25mm ²	M12A08/MF2/BN/FL/01/1000	M12A08/MF2/BN/FL/11/1000
	12pins	0.25mm ²	M12A12/MF2/BN/FL/01/1000	M12A12/MF2/BN/FL/11/1000

Specifications

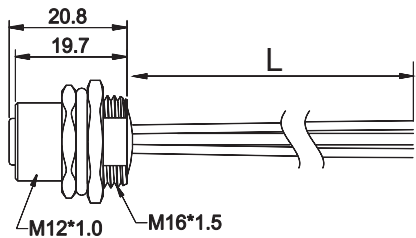
Number of contacts	8	12
Rated voltage	30V	
Rated current (40°C)	2A	1.5A
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	

Female panel connector

Product figure (rear fastened)



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A

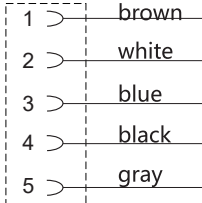
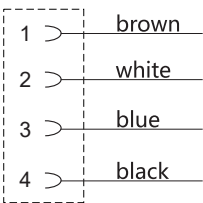
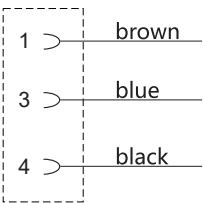


5pins

A



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC	TPE
0.1M	3pins	0.34mm ²	M12A03/FF2/BN/FL/02/0100	M12A03/FF2/BN/FL/12/0100
	4pins	0.34mm ²	M12A04/FF2/BN/FL/02/0100	M12A04/FF2/BN/FL/12/0100
	5pins	0.34mm ²	M12A05/FF2/BN/FL/02/0100	M12A05/FF2/BN/FL/12/0100
0.2M	3pins	0.34mm ²	M12A03/FF2/BN/FL/02/0200	M12A03/FF2/BN/FL/12/0200
	4pins	0.34mm ²	M12A04/FF2/BN/FL/02/0200	M12A04/FF2/BN/FL/12/0200
	5pins	0.34mm ²	M12A05/FF2/BN/FL/02/0200	M12A05/FF2/BN/FL/12/0200
0.5M	3pins	0.34mm ²	M12A03/FF2/BN/FL/02/0500	M12A03/FF2/BN/FL/12/0500
	4pins	0.34mm ²	M12A04/FF2/BN/FL/02/0500	M12A04/FF2/BN/FL/12/0500
	5pins	0.34mm ²	M12A05/FF2/BN/FL/02/0500	M12A05/FF2/BN/FL/12/0500
1.0M	3pins	0.34mm ²	M12A03/FF2/BN/FL/02/1000	M12A03/FF2/BN/FL/12/1000
	4pins	0.34mm ²	M12A04/FF2/BN/FL/02/1000	M12A04/FF2/BN/FL/12/1000
	5pins	0.34mm ²	M12A05/FF2/BN/FL/02/1000	M12A05/FF2/BN/FL/12/1000

Specifications

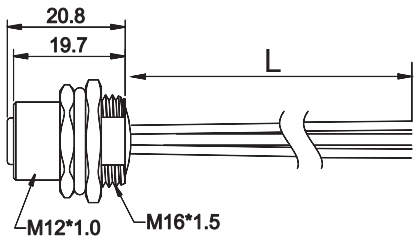
Number of contacts	3	4	5
Rated voltage	250V		60V
Rated current (40°C)	4A		
Protection degree	IP67/IP68		
Operating temperature	-25°C ~ +80°C		

Female panel connector

Product figure (rear fastened)



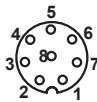
Scale diagram



Contact layout (Front view)

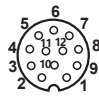
8pins

A



12pins

A



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC	TPE
0.1M	8pins	0.25mm ²	M12A08/FF2/BN/FL/01/0100	M12A08/FF2/BN/FL/11/0100
	12pins	0.25mm ²	M12A12/FF2/BN/FL/01/0100	M12A12/FF2/BN/FL/11/0100
0.2M	8pins	0.25mm ²	M12A08/FF2/BN/FL/01/0200	M12A08/FF2/BN/FL/11/0200
	12pins	0.25mm ²	M12A12/FF2/BN/FL/01/0200	M12A12/FF2/BN/FL/11/0200
0.5M	8pins	0.25mm ²	M12A08/FF2/BN/FL/01/0500	M12A08/FF2/BN/FL/11/0500
	12pins	0.25mm ²	M12A12/FF2/BN/FL/01/0500	M12A12/FF2/BN/FL/11/0500
1.0M	8pins	0.25mm ²	M12A08/FF2/BN/FL/01/1000	M12A08/FF2/BN/FL/11/1000
	12pins	0.25mm ²	M12A12/FF2/BN/FL/01/1000	M12A12/FF2/BN/FL/11/1000

Specifications

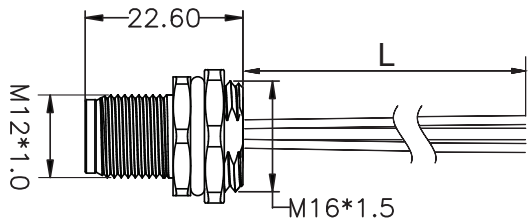
Number of contacts	8	12
Rated voltage	30V	
Rated current (40°C)	2A	1.5A
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	

Male panel connector (S-coded)

Product figure (rear fastened)



Scale diagram



Contact layout (Front view)

3pins

S

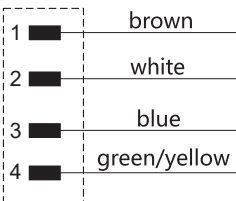
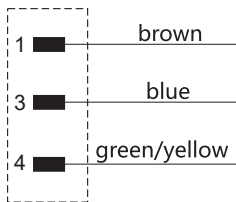


4pins

S



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC	TPE
0.1M	3pins	1.5mm ²	M12S03/MF2/BN/FL/04/01	M12S03/MF2/BN/FL/14/01
	4pins	1.5mm ²	M12S04/MF2/BN/FL/04/01	M12S04/MF2/BN/FL/14/01
0.2M	3pins	1.5mm ²	M12S03/MF2/BN/FL/04/02	M12S03/MF2/BN/FL/14/02
	4pins	1.5mm ²	M12S04/MF2/BN/FL/04/02	M12S04/MF2/BN/FL/14/02
0.5M	3pins	1.5mm ²	M12S03/MF2/BN/FL/04/05	M12S03/MF2/BN/FL/14/05
	4pins	1.5mm ²	M12S04/MF2/BN/FL/04/05	M12S04/MF2/BN/FL/14/05
1.0M	3pins	1.5mm ²	M12S03/MF2/BN/FL/04/10	M12S03/MF2/BN/FL/14/10
	4pins	1.5mm ²	M12S04/MF2/BN/FL/04/10	M12S04/MF2/BN/FL/14/10

Specifications

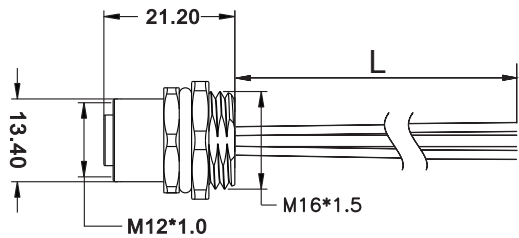
Number of contacts	3	4
Rated voltage	630V	
Rated current (40°C)	16A	12A
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	

Female panel connector (S-coded)

Product figure (rear fastened)



Scale diagram



Contact layout (Front view)

3pins

S

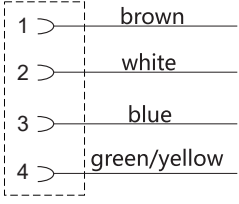
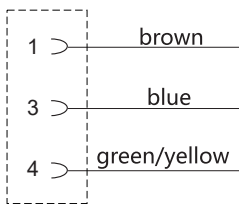


4pins

S



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC	TPE
0.1M	3pins	1.5mm ²	M12S03/FF2/BN/FL/04/0100	M12S03/FF2/BN/FL/14/0100
	4pins	1.5mm ²	M12S04/FF2/BN/FL/04/0100	M12S04/FF2/BN/FL/14/0100
0.2M	3pins	1.5mm ²	M12S03/FF2/BN/FL/04/0200	M12S03/FF2/BN/FL/14/0200
	4pins	1.5mm ²	M12S04/FF2/BN/FL/04/0200	M12S04/FF2/BN/FL/14/0200
0.5M	3pins	1.5mm ²	M12S03/FF2/BN/FL/04/0500	M12S03/FF2/BN/FL/14/0500
	4pins	1.5mm ²	M12S04/FF2/BN/FL/04/0500	M12S04/FF2/BN/FL/14/0500
1.0M	3pins	1.5mm ²	M12S03/FF2/BN/FL/04/1000	M12S03/FF2/BN/FL/14/1000
	4pins	1.5mm ²	M12S04/FF2/BN/FL/04/1000	M12S04/FF2/BN/FL/14/1000

Specifications

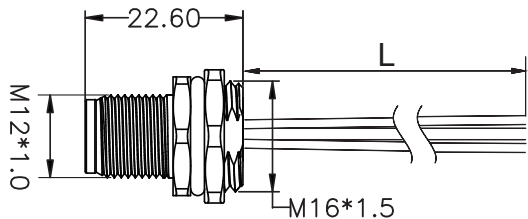
Number of contacts	3	4
Rated voltage	630V	
Rated current (40°C)	16A	12A
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	

Male panel connector (T-coded)

Product figure (rear fastened)



Scale diagram



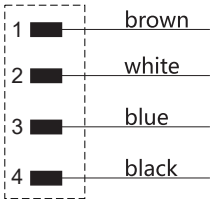
Contact layout (Front view)

4pins

T



Circuit diagram

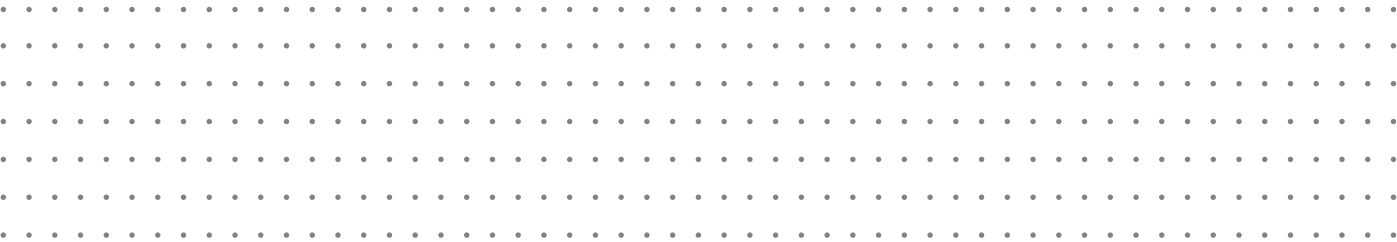


Order No

Cable length	Contacts	Wire diameter	PVC	TPE
0.1M	4pins	1.5mm ²	M12T04/MF2/BN/FL/04/0100	M12T04/MF2/BN/FL/14/0100
0.2M	4pins	1.5mm ²	M12T04/MF2/BN/FL/04/0200	M12T04/MF2/BN/FL/14/0200
0.5M	4pins	1.5mm ²	M12T04/MF2/BN/FL/04/0500	M12T04/MF2/BN/FL/14/0500
1.0M	4pins	1.5mm ²	M12T04/MF2/BN/FL/04/1000	M12T04/MF2/BN/FL/14/1000

Specifications

Number of contacts	4
Rated voltage	63V
Rated current (40°C)	12A
Protection degree	IP67/IP68
Operating temperature	-25°C~+80°C

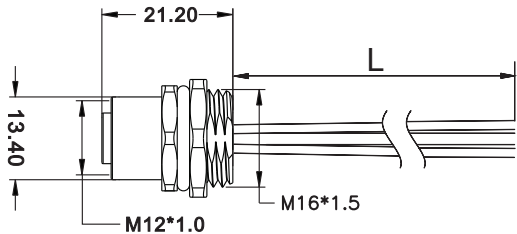


Female panel connector (T-coded)

Product figure (rear fastened)



Scale diagram



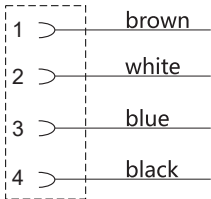
Contact layout (Front view)

4pins

T



Circuit diagram

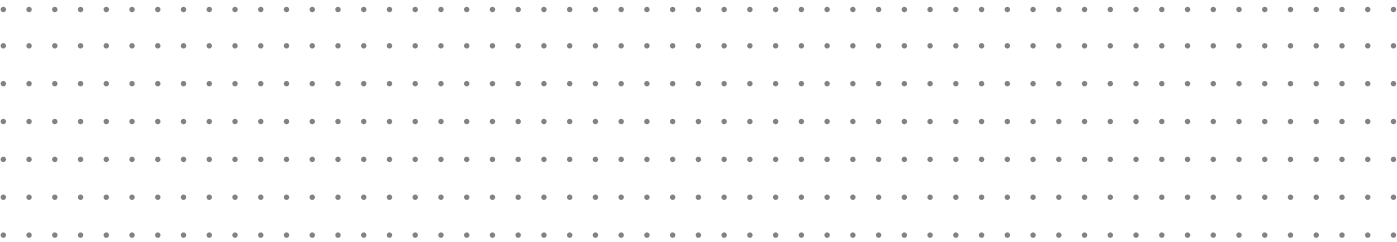


Order No

Cable length	Contacts	Wire diameter	PVC	TPE
0.1M	4pins	1.5mm ²	M12T04/FF2/BN/FL/04/0100	M12T04/FF2/BN/FL/14/0100
0.2M	4pins	1.5mm ²	M12T04/FF2/BN/FL/04/0200	M12T04/FF2/BN/FL/14/0200
0.5M	4pins	1.5mm ²	M12T04/FF2/BN/FL/04/0500	M12T04/FF2/BN/FL/14/0500
1.0M	4pins	1.5mm ²	M12T04/FF2/BN/FL/04/1000	M12T04/FF2/BN/FL/14/1000

Specifications

Number of contacts	4
Rated voltage	63V
Rated current (40°C)	12A
Protection degree	IP67/IP68
Operating temperature	-25°C~+80°C

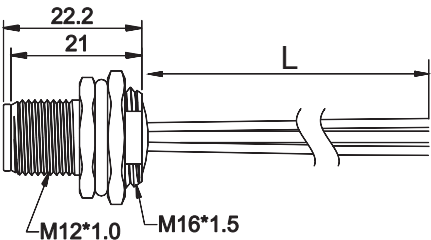


Male panel connector (A/B-coded)

Product figure (rear fastened) DeviceNet, CANopen



Scale diagram



Contact layout (Front view)

5pins

A

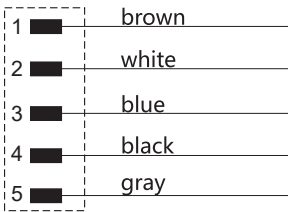
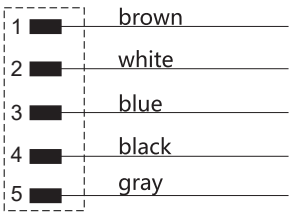


5pins

B



Circuit diagram



Order No

Cable length	Coding	Contacts	Wire diameter	PVC	TPE
0.1M	A	5pins	0.34mm ²	M12A05/MF2/BN/FL/02/0100	M12A05/MF2/BN/FL/12/0100
	B	5pins	0.34mm ²	M12B05/MF2/BN/FL/02/0100	M12B05/MF2/BN/FL/12/0100
0.2M	A	5pins	0.34mm ²	M12A05/MF2/BN/FL/02/0200	M12A05/MF2/BN/FL/12/0200
	B	5pins	0.34mm ²	M12B05/MF2/BN/FL/02/0200	M12B05/MF2/BN/FL/12/0200
0.5M	A	5pins	0.34mm ²	M12A05/MF2/BN/FL/02/0200	M12A05/MF2/BN/FL/12/0200
	B	5pins	0.34mm ²	M12B05/MF2/BN/FL/02/0500	M12B05/MF2/BN/FL/12/0500
1.0M	A	5pins	0.34mm ²	M12A05/MF2/BN/FL/02/1000	M12A05/MF2/BN/FL/12/1000
	B	5pins	0.34mm ²	M12B05/MF2/BN/FL/02/1000	M12B05/MF2/BN/FL/12/1000

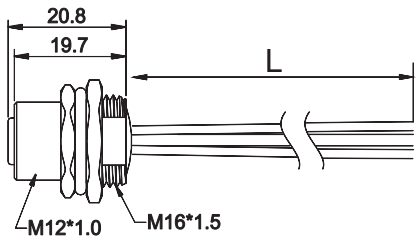
Specifications

Number of contacts	5
Rated voltage	60V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C

Female panel connector (A/B-coded)

Product figure (rear fastened) DeviceNet, CANopen

Scale diagram



Contact layout (Front view)

5pins

A

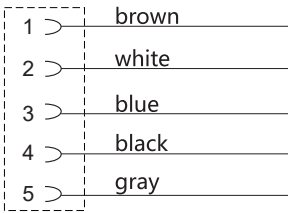
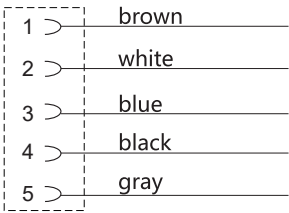


5pins

B



Circuit diagram



Order No

Cable length	Coding	Contacts	Wire diameter	PVC	TPE
0.1M	A	5pins	0.34mm ²	M12A05/FF2/BN/FL/02/0100	M12A05/FF2/BN/FL/12/0100
	B	5pins	0.34mm ²	M12B05/FF2/BN/FL/02/0100	M12B05/FF2/BN/FL/12/0100
0.2M	A	5pins	0.34mm ²	M12A05/FF2/BN/FL/02/0200	M12A05/FF2/BN/FL/12/0200
	B	5pins	0.34mm ²	M12B05/FF2/BN/FL/02/0200	M12B05/FF2/BN/FL/12/0200
0.5M	A	5pins	0.34mm ²	M12A05/FF2/BN/FL/02/0500	M12A05/FF2/BN/FL/12/0500
	B	5pins	0.34mm ²	M12B05/FF2/BN/FL/02/0500	M12B05/FF2/BN/FL/12/0500
1.0M	A	5pins	0.34mm ²	M12A05/FF2/BN/FL/02/1000	M12A05/FF2/BN/FL/12/1000
	B	5pins	0.34mm ²	M12B05/FF2/BN/FL/02/1000	M12B05/FF2/BN/FL/12/1000

Specifications

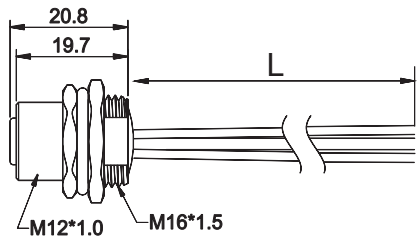
Number of contacts	5
Rated voltage	60V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C

Female panel connector (D-coded)

Product figure (rear fastened) ETHERNET CAT5



Scale diagram



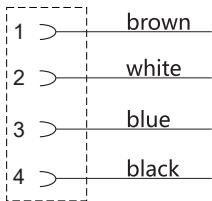
Contact layout (Front view)

4pins

D



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC	TPE
0.1M	4pins	0.34mm ²	M12D04/FF2/BN/FL/02/0100	M12D04/FF2/BN/FL/12/0100
0.2M	4pins	0.34mm ²	M12D04/FF2/BN/FL/02/0200	M12D04/FF2/BN/FL/12/0200
0.5M	4pins	0.34mm ²	M12D04/FF2/BN/FL/02/0500	M12D04/FF2/BN/FL/12/0500
1.0M	4pins	0.34mm ²	M12D04/FF2/BN/FL/02/1000	M12D04/FF2/BN/FL/12/1000

Specifications

Number of contacts	4
Rated voltage	250V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C

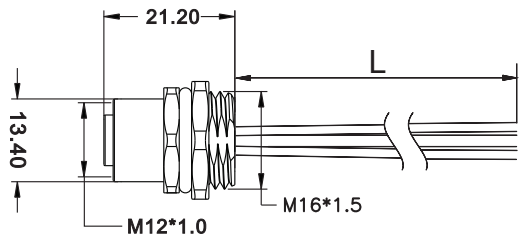


Female panel connector (X-coded)

Product figure (rear fastened) ETHERNET CAT6



Scale diagram



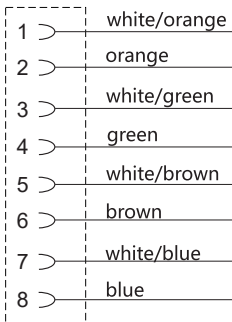
Contact layout (Front view)

8pins

X



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PVC	TPE
0.1M	8pins	0.25mm ²	M12X08/FF2/BN/FL/01/0100	M12X08/FF2/BN/FL/11/0100
0.2M	8pins	0.25mm ²	M12X08/FF2/BN/FL/01/0200	M12X08/FF2/BN/FL/11/0200
0.5M	8pins	0.25mm ²	M12X08/FF2/BN/FL/01/0500	M12X08/FF2/BN/FL/11/0500
1.0M	8pins	0.25mm ²	M12X08/FF2/BN/FL/01/1000	M12X08/FF2/BN/FL/11/1000

Specifications

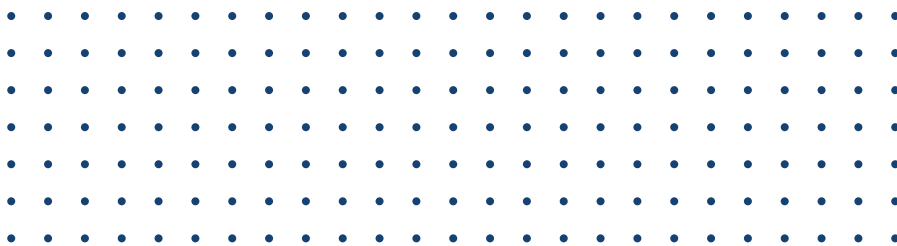
Number of contacts	8
Rated voltage	30V
Rated current (40°C)	2A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C



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