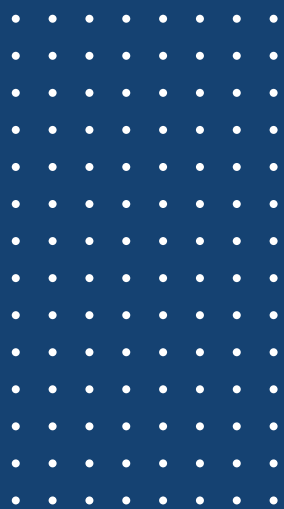


MENGELKING



M12 Series

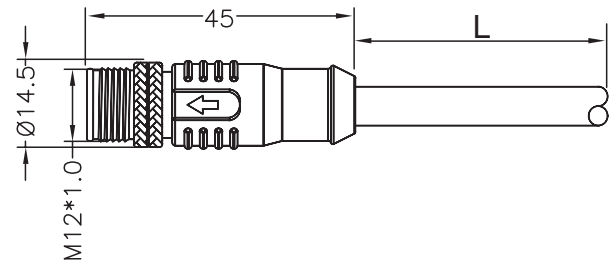
Overmoulded Connectors

Male cable

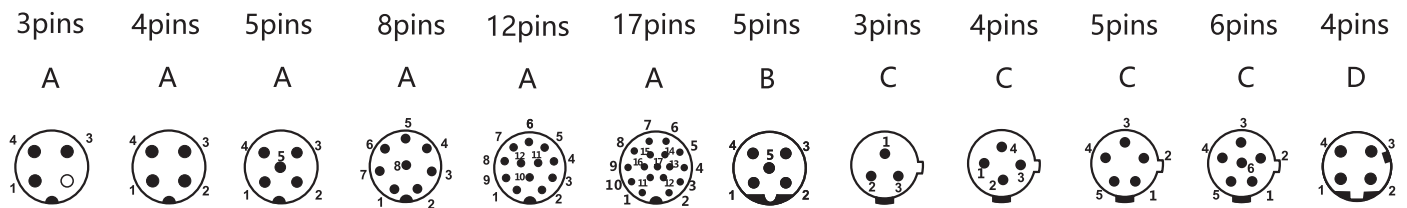
Product figure



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

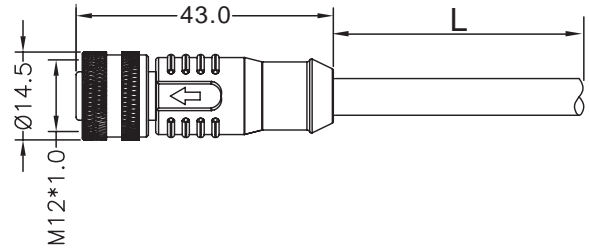
Number of contacts	3	4	5	8	12	17
Termination	moulded on cable					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V		30V	
Rated current (40°C)	4A			2A		1.5A
Protection degree	IP67/IP68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

Female cable

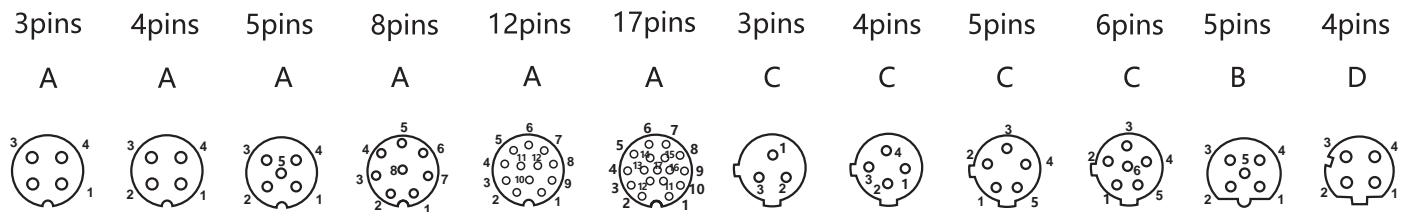
Product figure



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

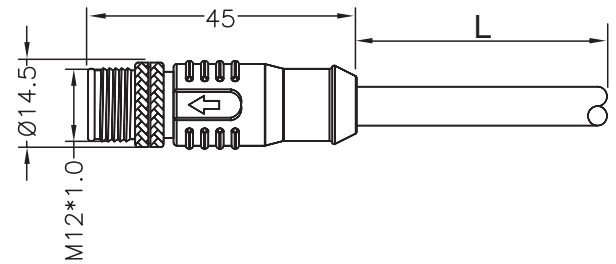
Number of contacts	3	4	5	8	12	17
Termination	moulded on cable					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V		30V	
Rated current (40°C)	4A			2A		1.5A
Protection degree	IP67/IP68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

Male cable (with shield)

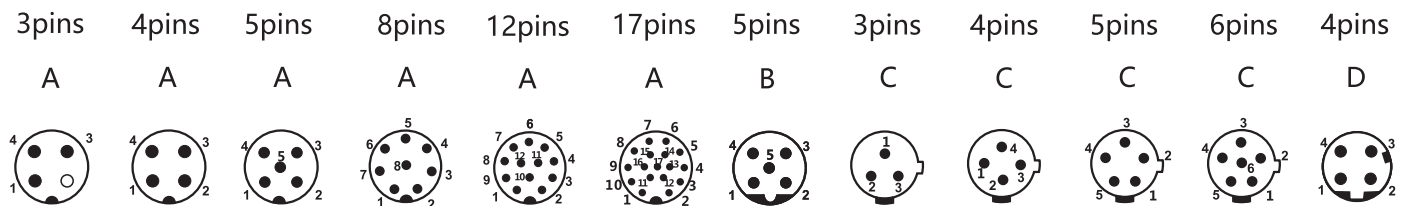
Product figure



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

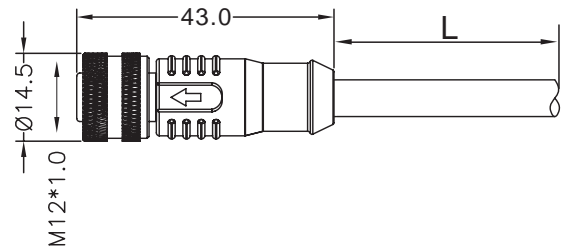
Number of contacts	3	4	5	8	12	17
Termination	moulded on cable					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V	30V		
Rated current (40°C)	4A			2A	1.5A	
Protection degree	IP67/IP68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

Female cable (with shield)

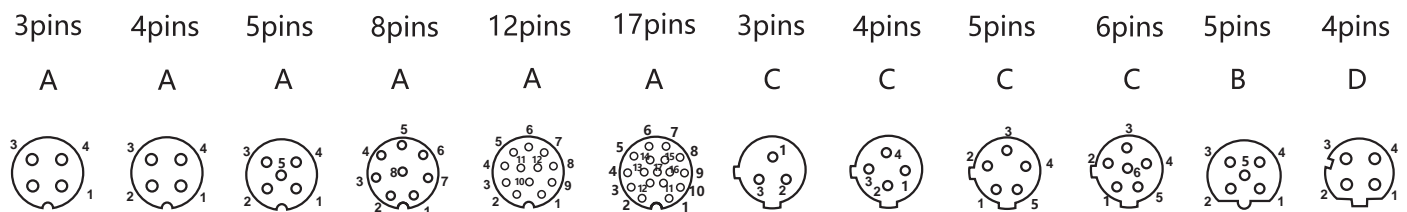
Product figure



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

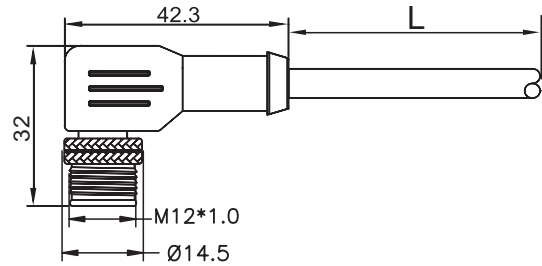
Number of contacts	3	4	5	8	12	17
Termination	moulded on cable					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V		30V	
Rated current (40°C)	4A			2A		1.5A
Protection degree	IP67/IP68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

Male cable (90°)

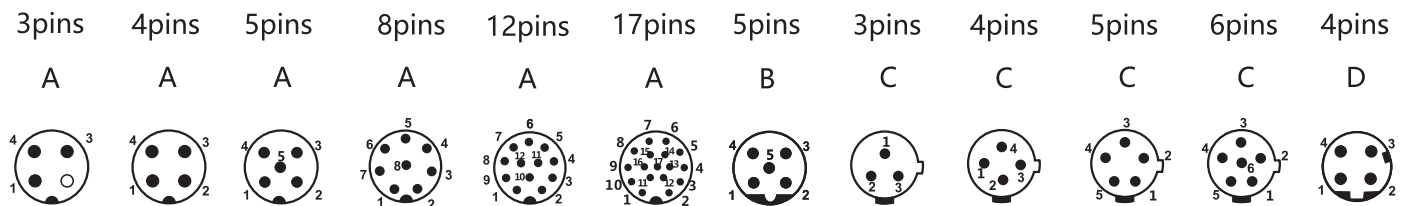
Product figure



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

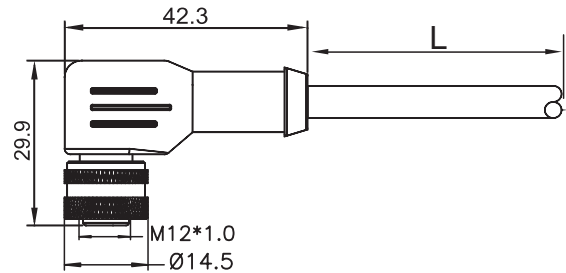
Number of contacts	3	4	5	8	12	17
Termination	moulded on cable					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V		30V	
Rated current (40°C)	4A			2A		1.5A
Protection degree	IP67/IP68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

Female cable (90°)

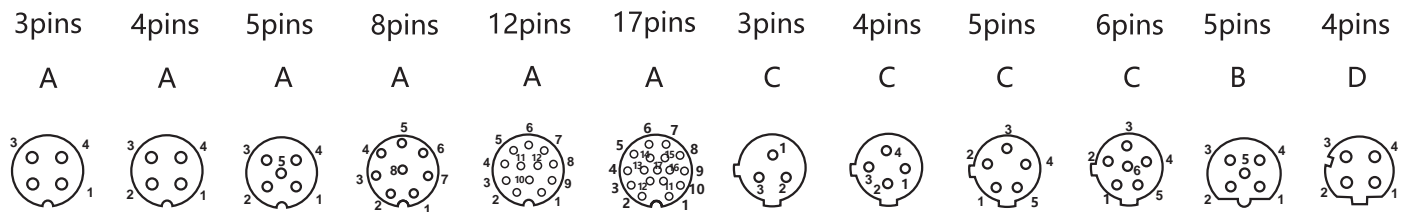
Product figure



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

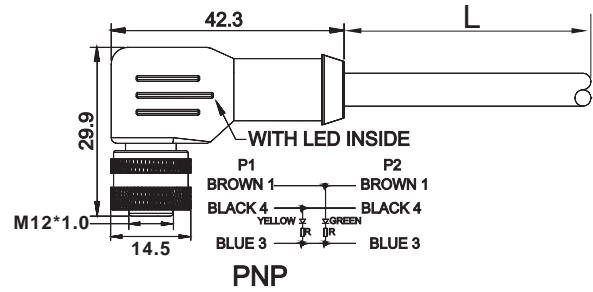
Number of contacts	3	4	5	8	12	17
Termination	moulded on cable					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V		30V	
Rated current (40°C)	4A			2A		1.5A
Protection degree	IP67/IP68					
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

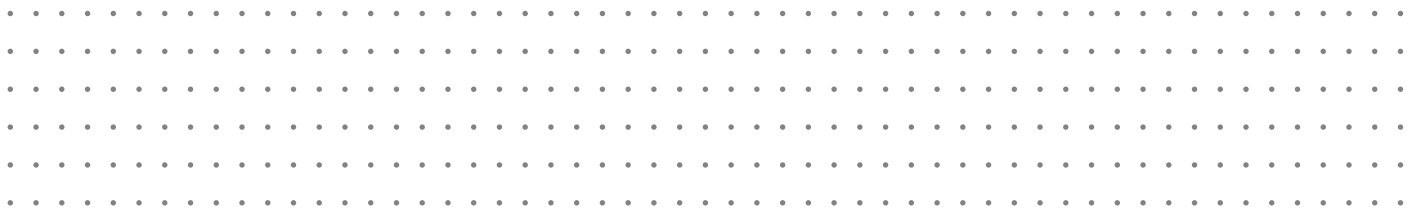


Order Data

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		

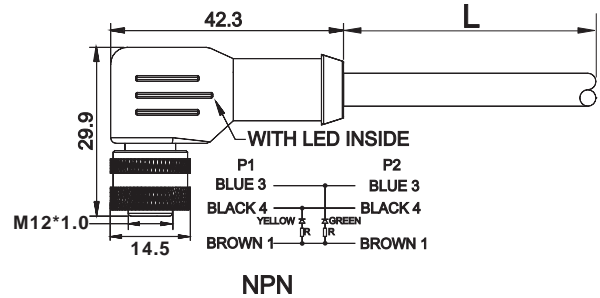


Female cable(90° with LED NPN)

Product figure



Scale diagram



Contact layout (Front view)

3pins

4pins

5pins

A

A

A

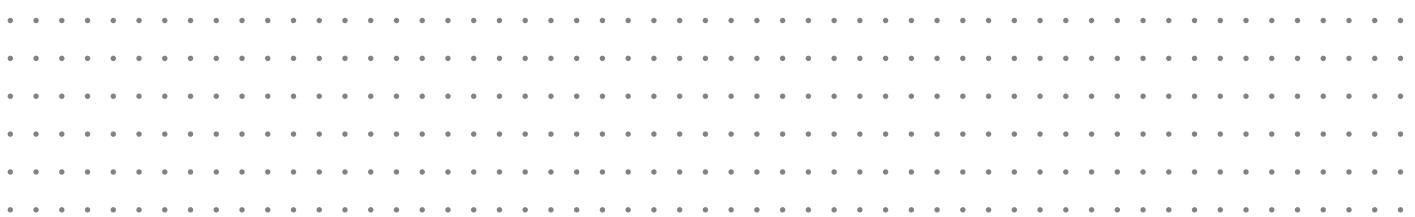


Order Data

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		

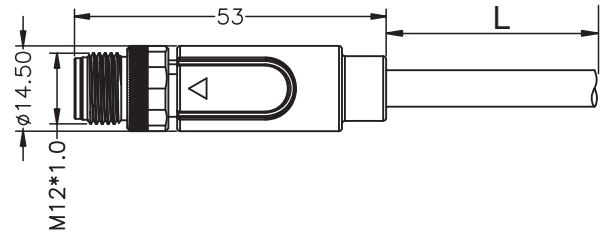


Male cable

Product figure



Scale diagram



Contact layout (Front view)

8pins

X

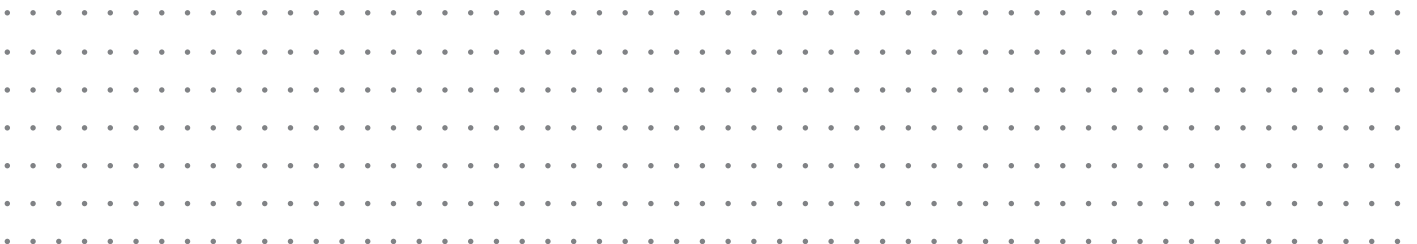


Order Data

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

Specifications

Number of contacts	8
Termination	moulded on cable
Wire gauge	0.14/0.25mm 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

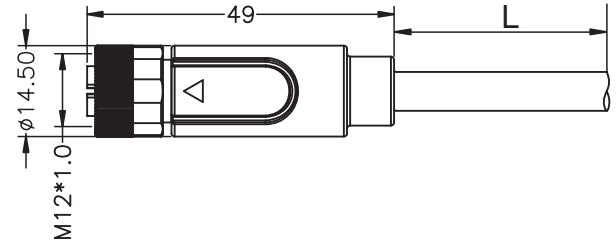


Female cable

Product figure



Scale diagram



Contact layout (Front view)

8pins

X

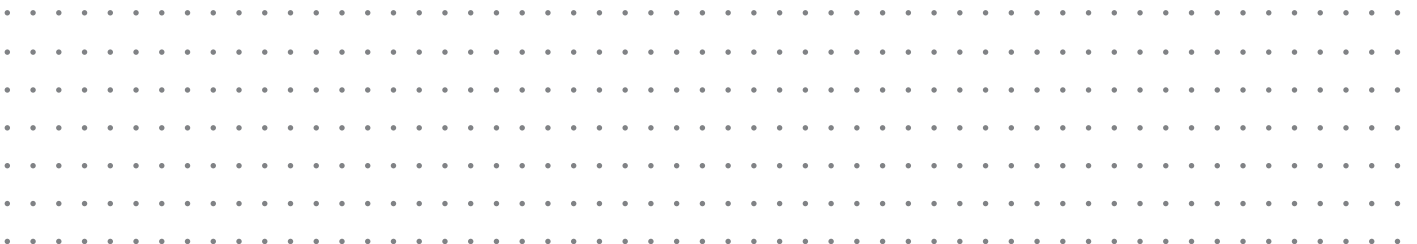


Order Data

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

Specifications

Number of contacts	8
Termination	moulded on cable
Wire gauge	0.14/0.25mm 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

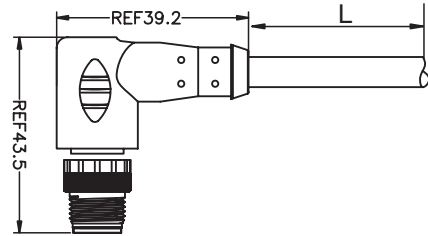


Male cable

Product figure



Scale diagram



Contact layout (Front view)

8pins

X

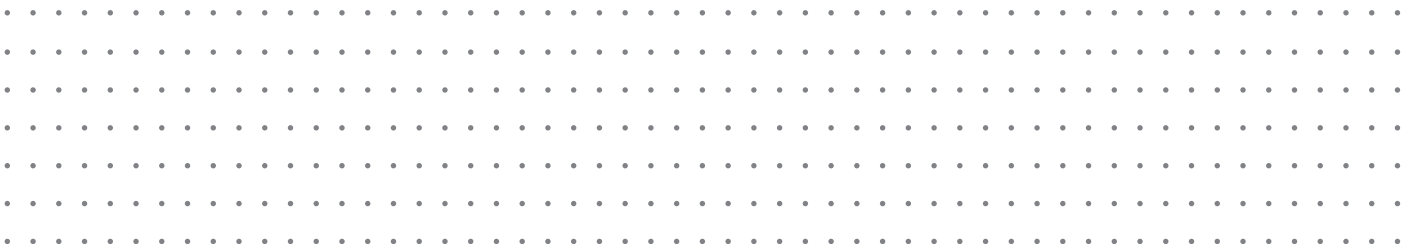


Order Data

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

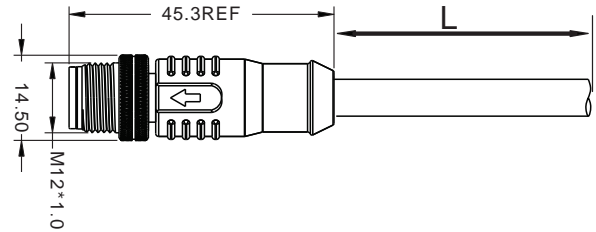


Male cable

Product figure



Scale diagram



Contact layout (Front view)

2+PE

S



3+PE

S

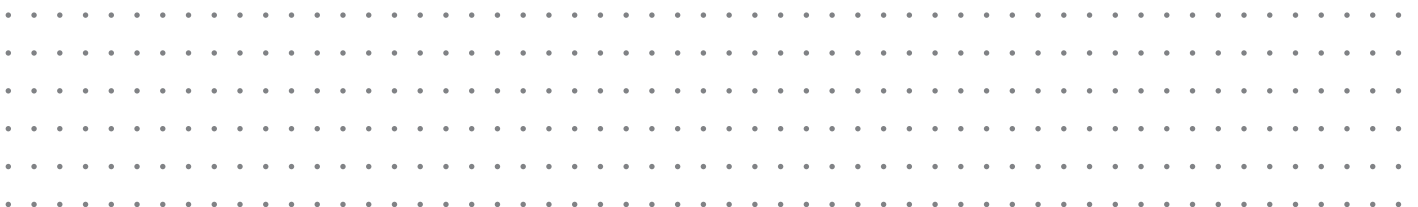


Order Data

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	

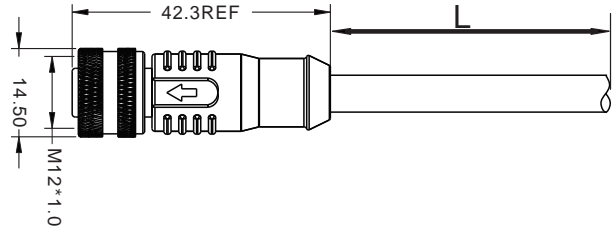


Female cable

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	

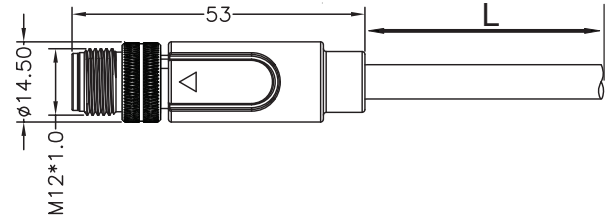


Male cable

Product figure



Scale diagram



Contact layout (Front view)

4pins

T

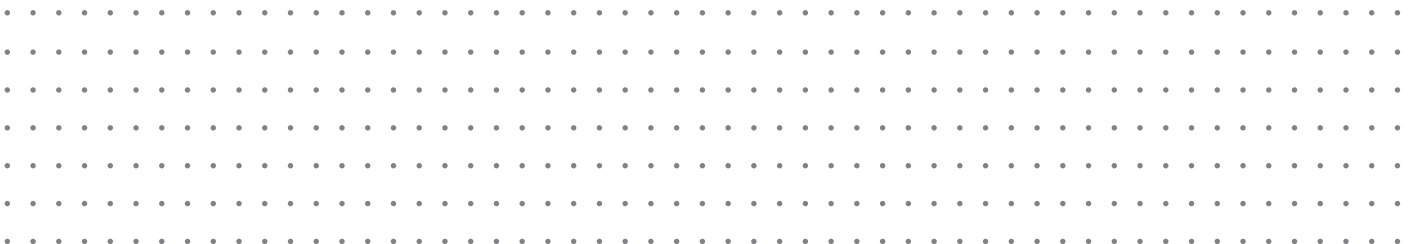


Order Data

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

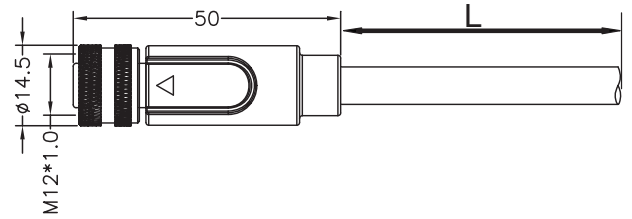


Female cable

Product figure



Scale diagram



Contact layout (Front view)

4pins

T

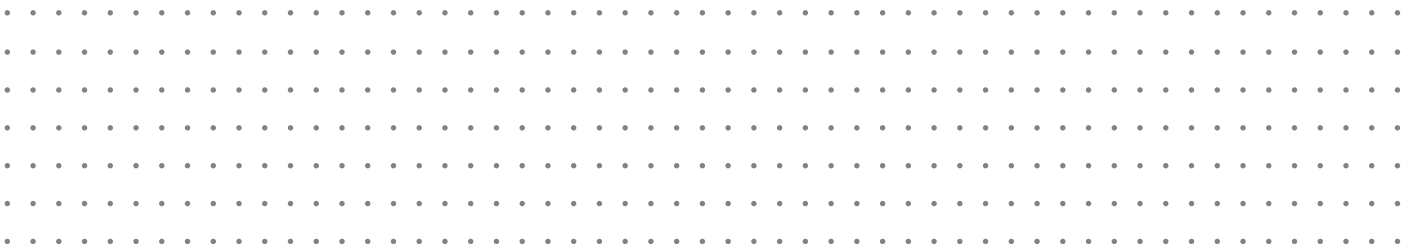


Order Data

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

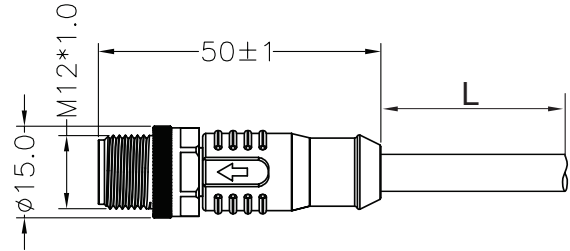


Male cable

Product figure



Scale diagram



Contact layout (Front view)

4+FE

E

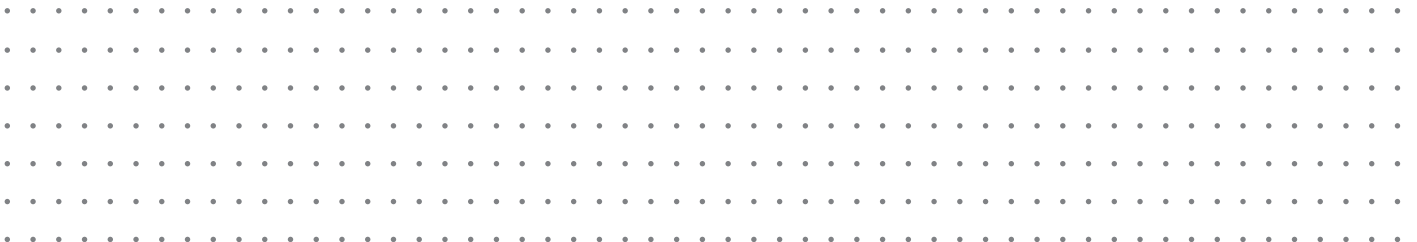


Order Data

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

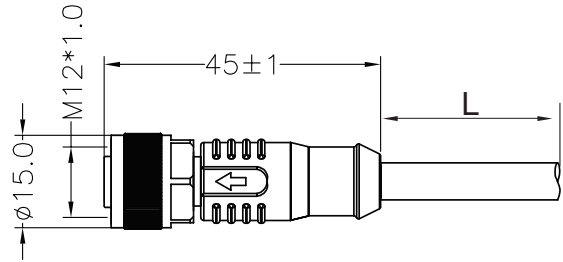


Female cable

Product figure



Scale diagram



Contact layout (Front view)

4+FE

E

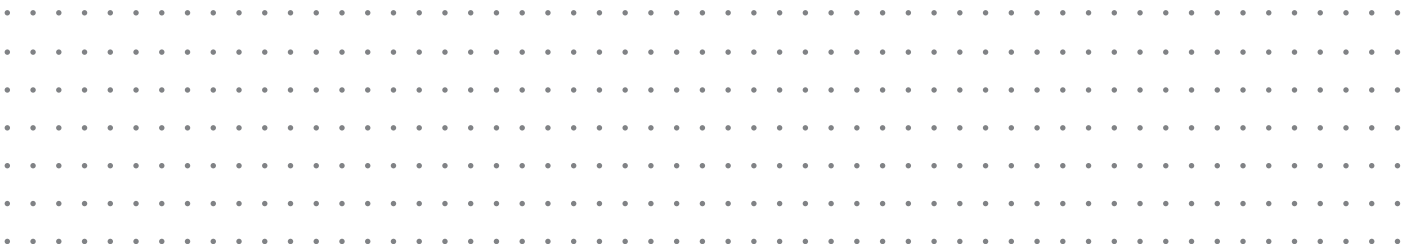


Order Data

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

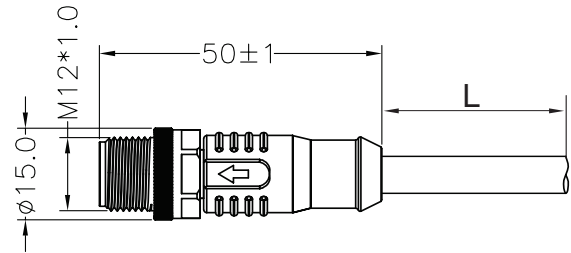


Male cable

Product figure



Scale diagram



Contact layout (Front view)

4pins

F

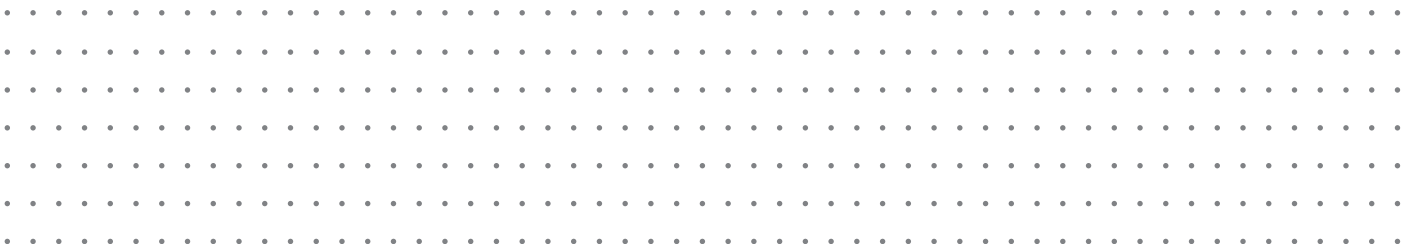


Order Data

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

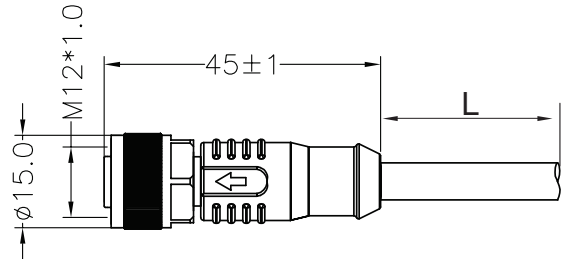


Female cable

Product figure



Scale diagram



Contact layout (Front view)

4pins

F

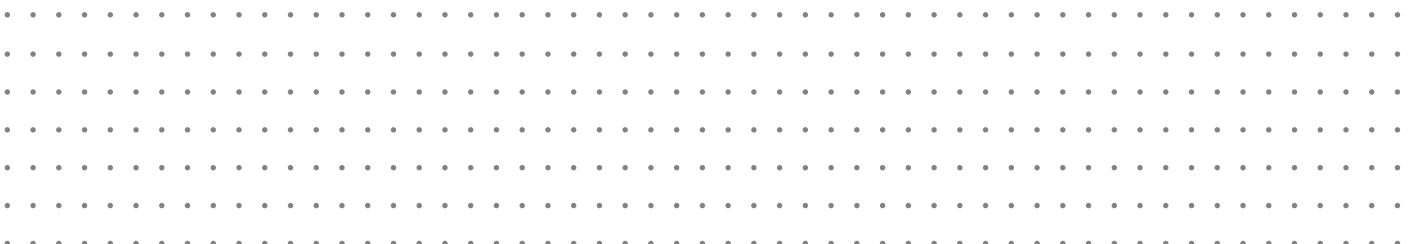


Order Data

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

Specifications

Number of contacts	4
Termination	moulded on cable
Wire gauge	max. 1.5mm ² (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

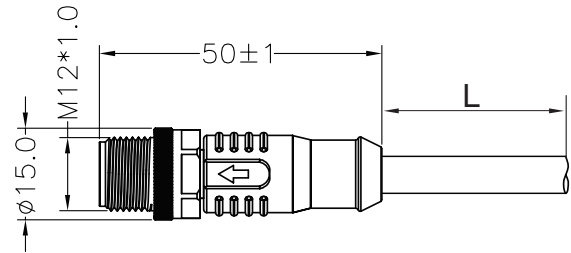


Male cable

Product figure



Scale diagram



Contact layout (Front view)

4+PE

K

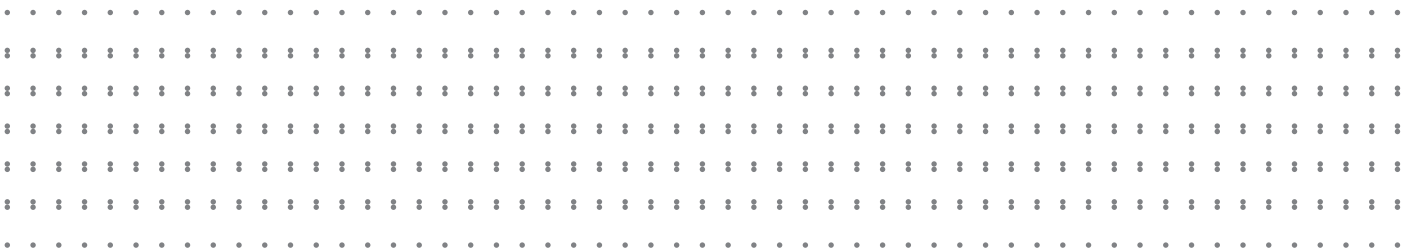


Order Data

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

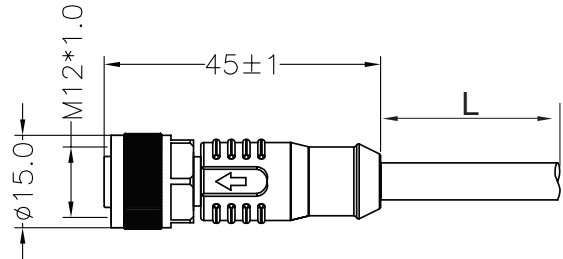


Female cable

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

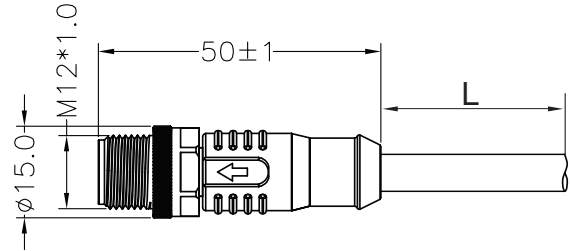


Male cable

Product figure



Scale diagram



Contact layout (Front view)

4+FE

L

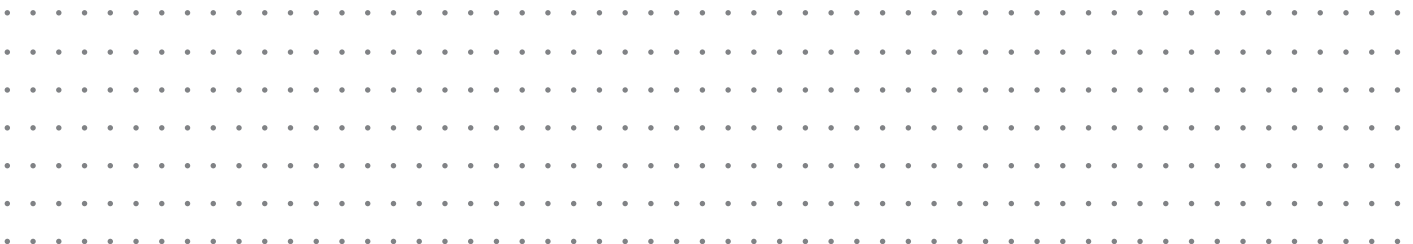


Order Data

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

Specifications

Number of contacts	4+FE
Termination	moulded on cable
Wire gauge	max. 1.5mm 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

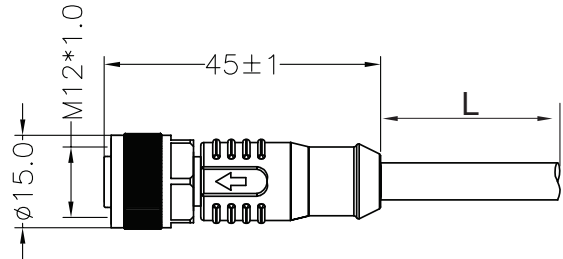


Female cable

Product figure



Scale diagram



Contact layout (Front view)

4+FE

L

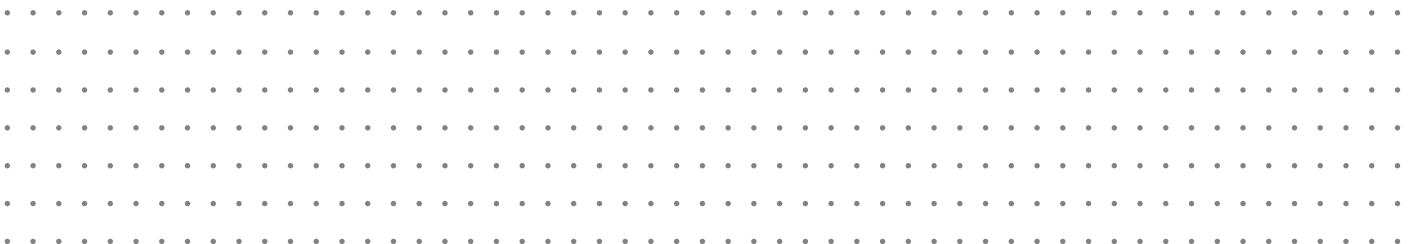


Order Data

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

Specifications

Number of contacts	4+FE
Termination	moulded on cable
Wire gauge	max. 1.5mm ² (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

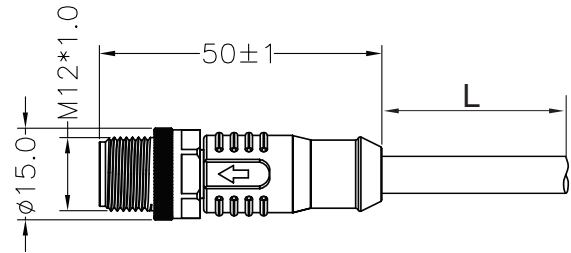


Male cable

Product figure



Scale diagram



Contact layout (Front view)

5+PE

M

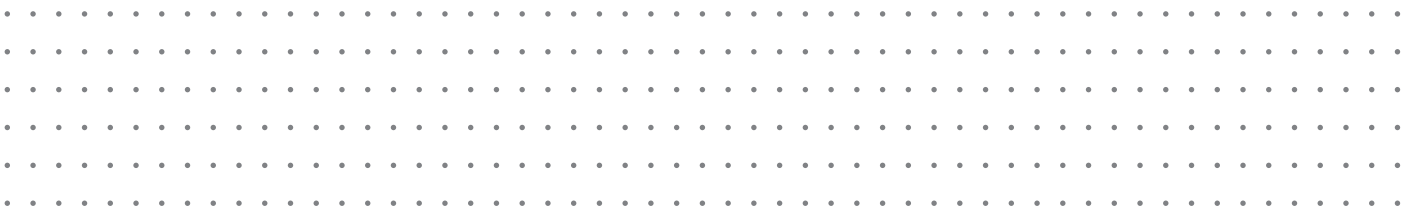


Order Data

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

Specifications

Number of contacts	5+PE
Termination	moulded on cable
Wire gauge	max. 1.5mm 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

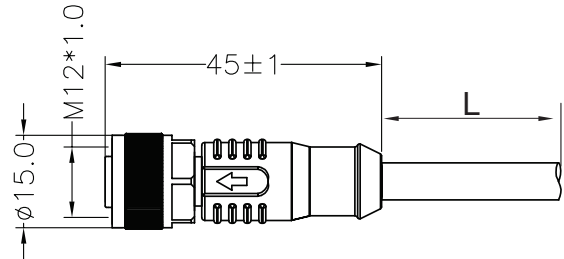


Female cable

Product figure



Scale diagram



Contact layout (Front view)

5+PE

M

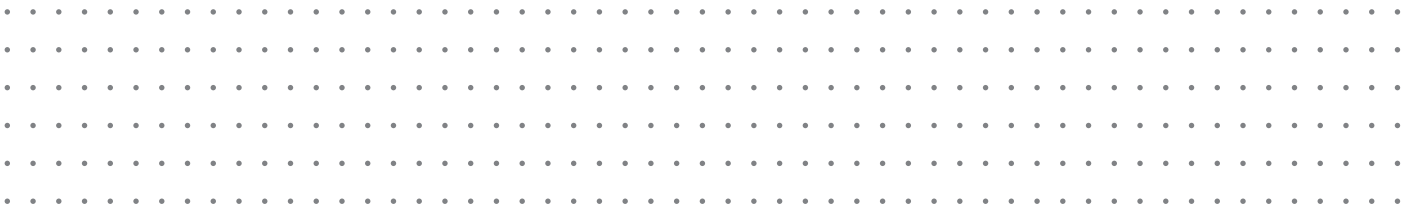


Order Data

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

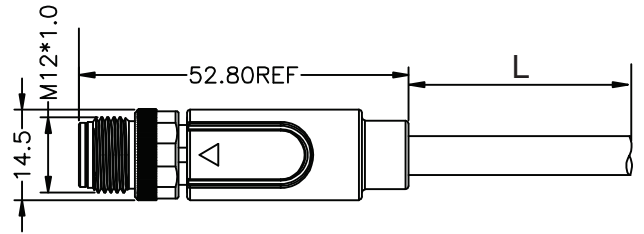


Male cable

Product figure



Scale diagram



Contact layout (Front view)

4power+4signal

Y

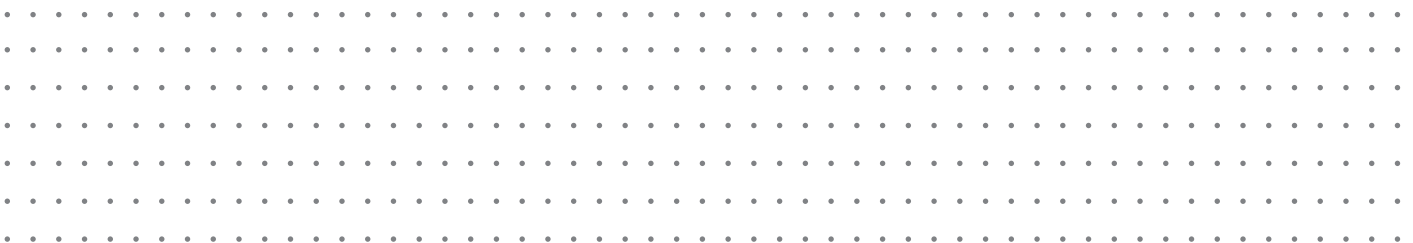


Order Data

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

Specifications

Number of contacts	4power+4signal
Termination	moulded on cable
Wire gauge	4P (0.5mm ² /20AWG)+4S (0.25mm ² /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

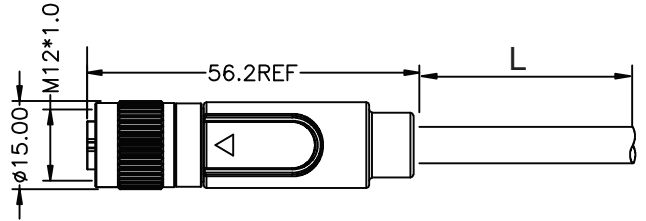


Female cable

Product figure



Scale diagram



Contact layout (Front view)

4power+4signal

Y

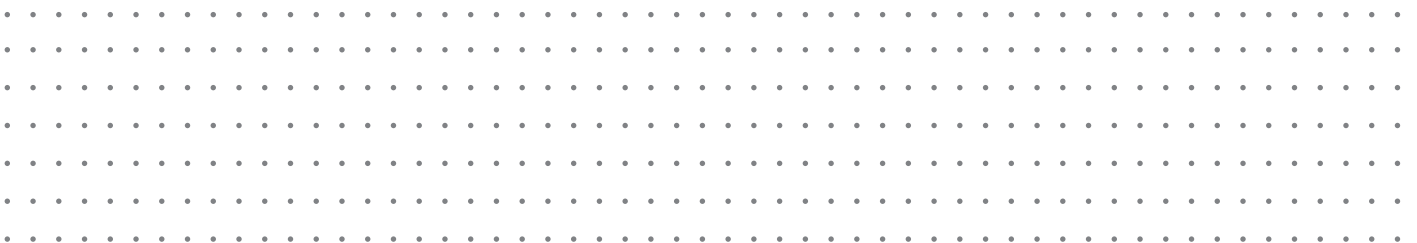


Order Data

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

Specifications

Number of contacts	4power+4signal
Termination	moulded on cable
Wire gauge	4P (0.5mm ² /20AWG)+4S (0.25mm ² /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

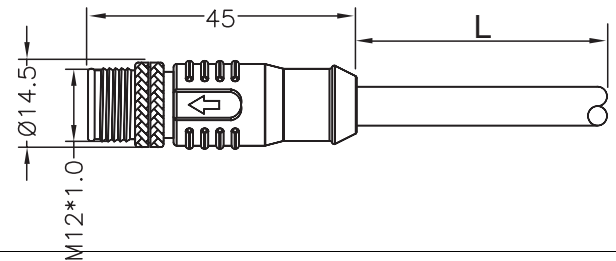


Male cable

Product figure



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A

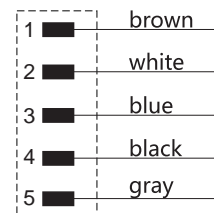
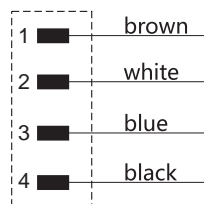
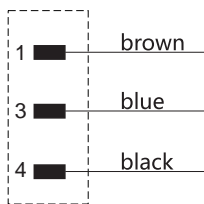


5pins

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

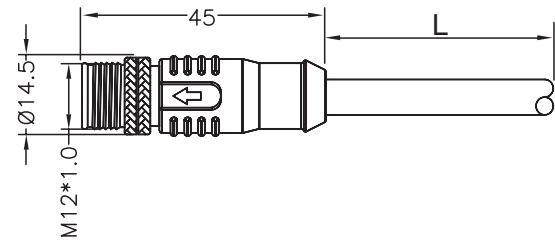
Number of contacts	3	4	5
Rated voltage	250V		60V
Rated current (40°C)	4A		
Protection degree	IP67/IP68		
Operating temperature	-25°C ~ +80°C		
Cable OD	4.5~5.0mm	4.6~6.0mm	5.8~6.0mm

Male cable

Product figure

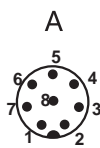


Scale diagram

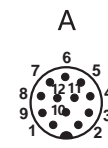


Contact layout (Front view)

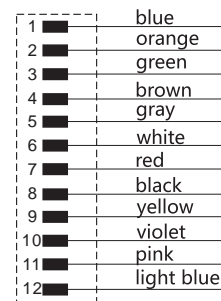
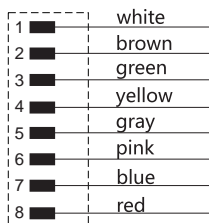
8pins



12pins



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

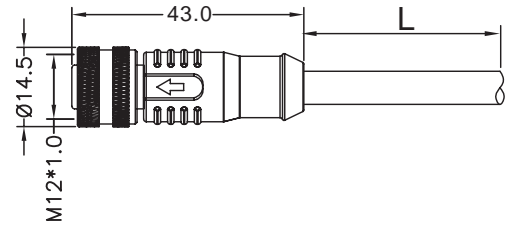
	8	12
Number of contacts	8	12
Rated voltage	30V	
Rated current (40°C)	2A	1.5A
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	6.5mm	6.5~7.0mm

Female cable

Product figure



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A

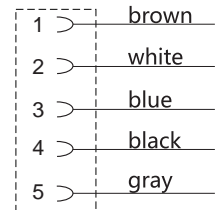
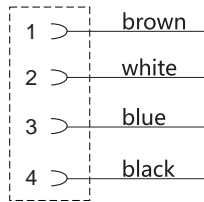
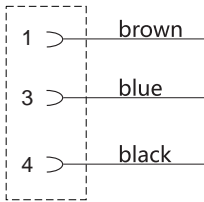


5pins

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

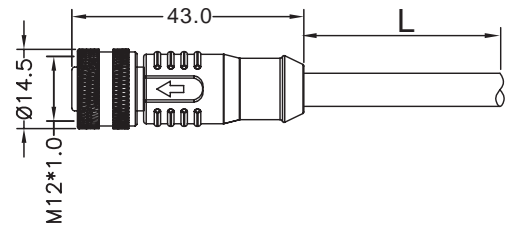
Number of contacts	3	4	5
Rated voltage	250V		60V
Rated current (40°C)	4A		
Protection degree	IP67/IP68		
Operating temperature	-25°C ~ +80°C		
Cable OD	4.5~5.0mm	4.6~6.0mm	5.8~6.0mm

Female cable

Product figure



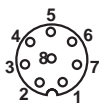
Scale diagram



Contact layout (Front view)

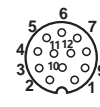
8pins

A

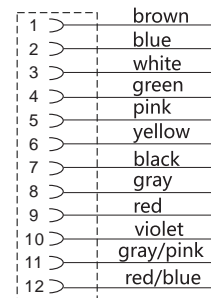
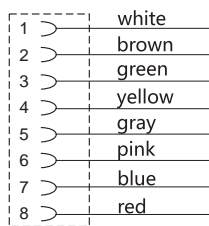


12pins

A



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

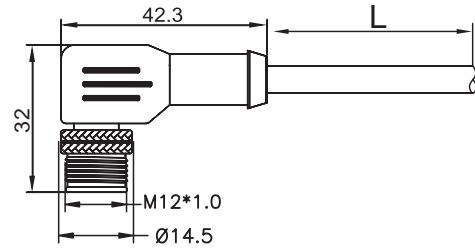
Number of contacts	8	12
Rated voltage	30V	
Rated current (40°C)	2A	1.5A
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	6.5mm	6.5~7.0mm

Male cable (90°)

Product figure



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A

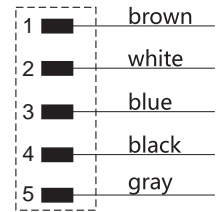
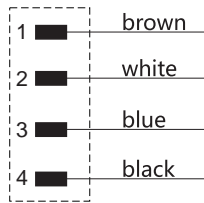
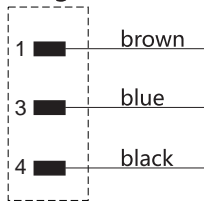


5pins

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

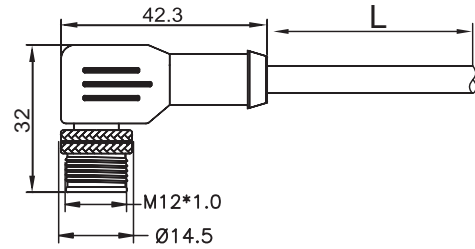
Number of contacts	3	4	5
Rated voltage	250V		60V
Rated current (40°C)	4A		
Protection degree	IP67/IP68		
Operating temperature	-25°C ~ +80°C		
Cable OD	4.5~5.0mm	4.6~6.0mm	5.8~6.0mm

Male cable (90°)

Product figure

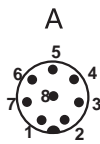


Scale diagram

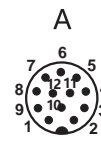


Contact layout (Front view)

8pins



12pins



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

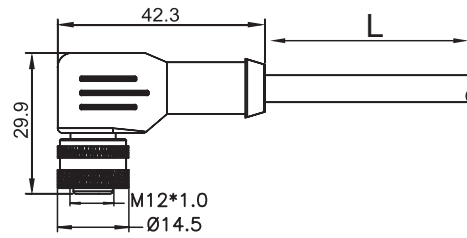
Number of contacts	8	12
Rated voltage	30V	
Rated current (40°C)	2A	1.5A
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	6.5mm	6.5~7.0mm

Female cable (90°)

Product figure



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A

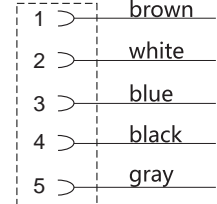
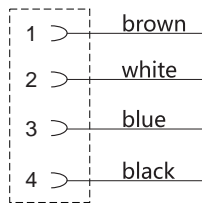
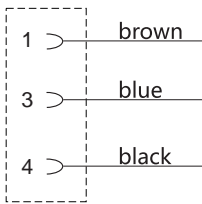


5pins

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

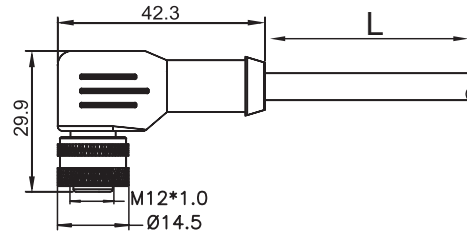
Number of contacts	3	4	5
Rated voltage	250V		60V
Rated current (40°C)	4A		
Protection degree	IP67/IP68		
Operating temperature	-25°C ~ +80°C		
Cable OD	4.5~5.0mm	4.6~6.0mm	5.8~6.0mm

Female cable (90°)

Product figure



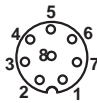
Scale diagram



Contact layout (Front view)

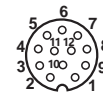
8pins

A

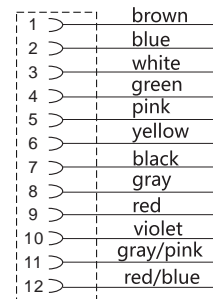
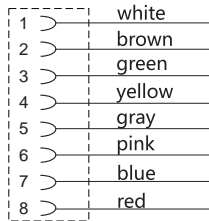


12pins

A



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

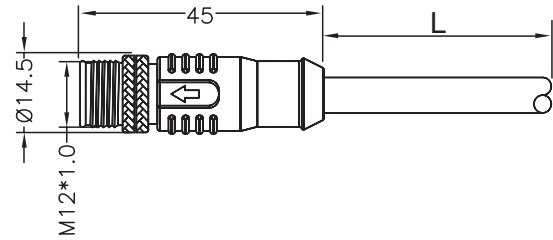
Number of contacts	8	12
Rated voltage	30V	
Rated current (40°C)	2A	1.5A
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	6.5mm	6.5~7.0mm

Male cable (with shield)

Product figure



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A

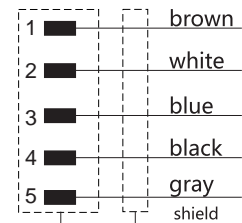
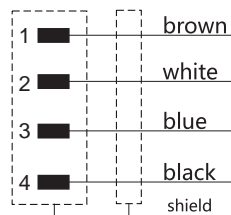
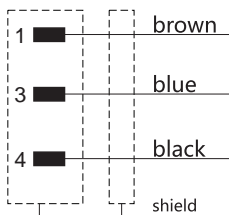


5pins

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/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

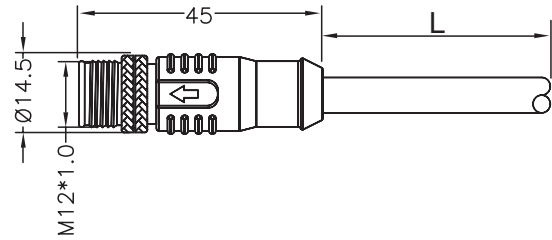
Number of contacts	3	4	5
Rated voltage	250V		60V
Rated current (40°C)	4A		
Protection degree	IP67/IP68		
Operating temperature	-25°C ~ +80°C		
Cable OD	4.6~5.0mm	5.0~6.0mm	6.0~7.0mm

Male cable (with shield)

Product figure

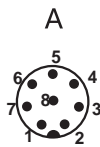


Scale diagram



Contact layout (Front view)

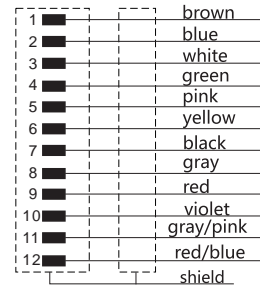
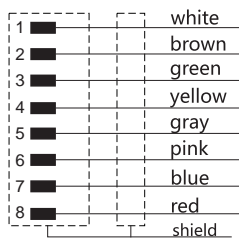
8pins



12pins



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

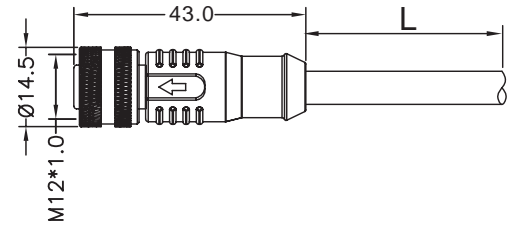
Number of contacts	8	12
Rated voltage	30V	
Rated current (40°C)	2A	1.5A
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	5.5~6.0mm	7.0mm

Female cable (with shield)

Product figure



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A

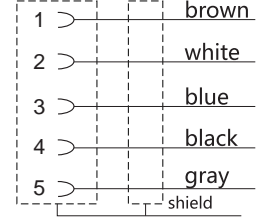
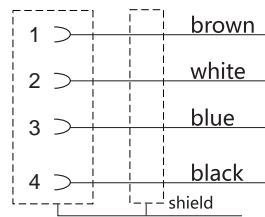
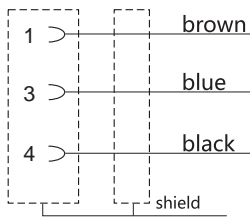


5pins

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

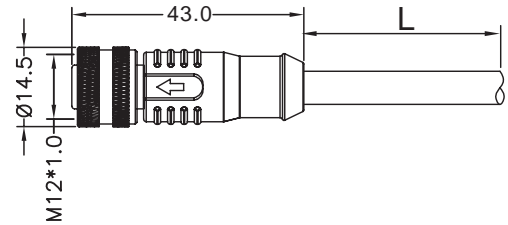
Number of contacts	3	4	5
Rated voltage	250V		60V
Rated current (40°C)	4A		
Protection degree	IP67/IP68		
Operating temperature	-25°C ~ +80°C		
Cable OD	4.6~5.0mm	5.0~6.0mm	6.0~7.0mm

Female cable (with shield)

Product figure



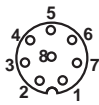
Scale diagram



Contact layout (Front view)

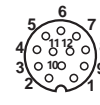
8pins

A

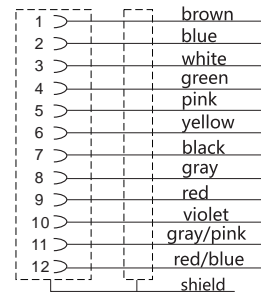
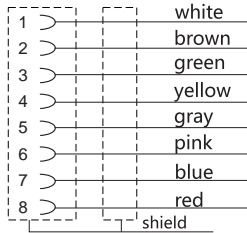


12pins

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/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

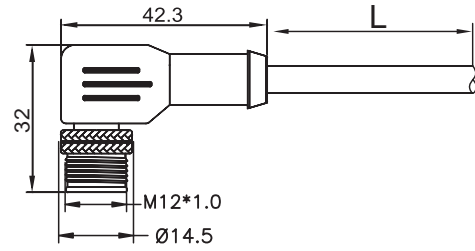
Number of contacts	8	12
Rated voltage	30V	
Rated current (40°C)	2A	1.5A
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	5.5~6.0mm	7.0mm

Male cable (90° with shield)

Product figure



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A

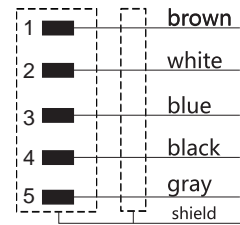
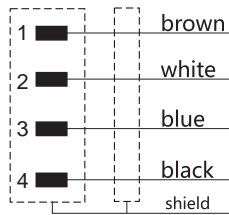
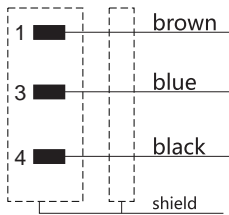


5pins

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

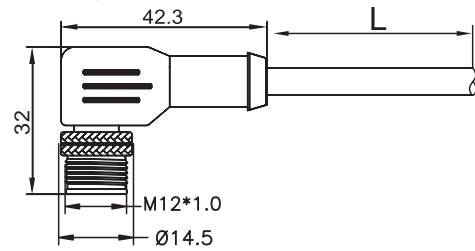
Number of contacts	3	4	5
Rated voltage	250V		60V
Rated current (40°C)	4A		
Protection degree	IP67/IP68		
Operating temperature	-25°C ~ +80°C		
Cable OD	4.6~5.0mm	5.0~6.0mm	6.0~7.0mm

Male cable (90° with shield)

Product figure



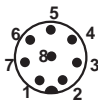
Scale diagram



Contact layout (Front view)

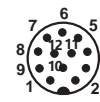
8pins

A

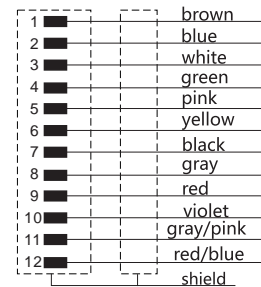
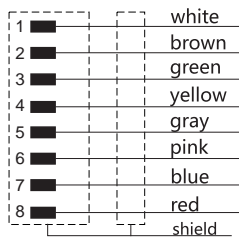


12pins

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/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

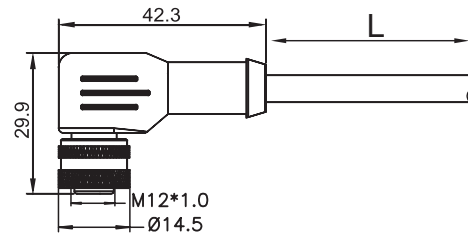
Number of contacts	8	12
Rated voltage	30V	
Rated current (40°C)	2A	1.5A
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	5.5~6.0mm	7.0mm

Female cable (90° with shield)

Product figure



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A

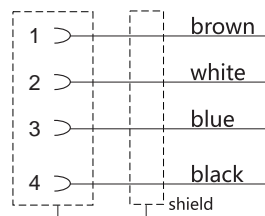
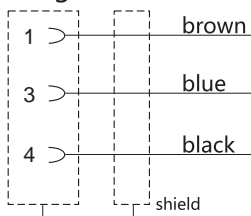


5pins

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

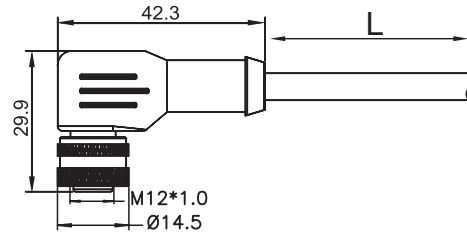
Number of contacts	3	4	5
Rated voltage	250V		60V
Rated current (40°C)	4A		
Protection degree	IP67/IP68		
Operating temperature	-25°C ~ +80°C		
Cable OD	4.6~5.0mm	5.0~6.0mm	6.0~7.0mm

Female cable (90° with shield)

Product figure



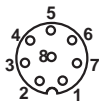
Scale diagram



Contact layout (Front view)

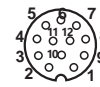
8pins

A

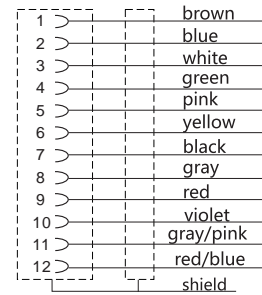
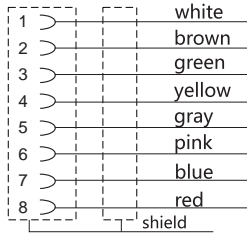


12pins

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

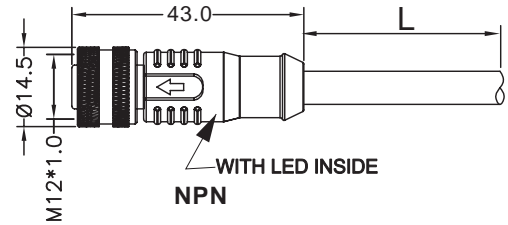
Number of contacts	8	12
Rated voltage	30V	
Rated current (40°C)	2A	1.5A
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	5.5~6.0mm	7.0mm

Female cable (with LED NPN)

Product figure



Scale diagram



Contact layout (Front view)

3pins

A

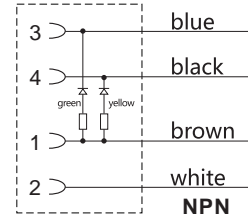
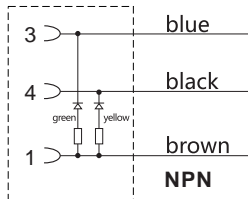


4pins

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

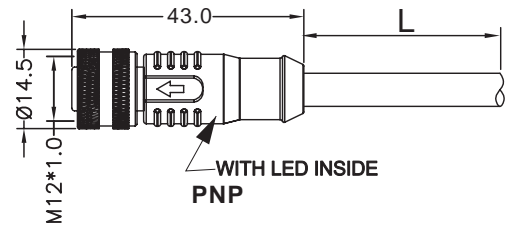
Number of contacts	3	4
Rated voltage	250V	
Rated current (40°C)	4A	
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	4.6~5.0mm	4.6~6.0mm

Female cable (with LED PNP)

Product figure



Scale diagram



Contact layout (Front view)

3pins

A

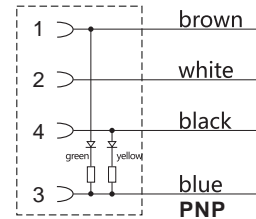
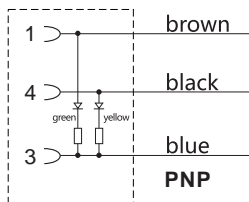


4pins

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

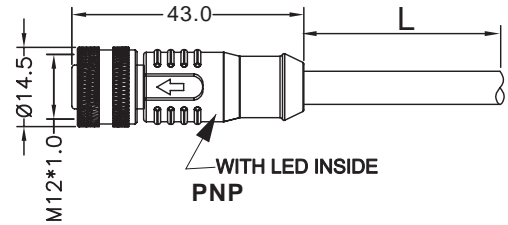
	3	4
Number of contacts	3	4
Rated voltage	250V	
Rated current (40°C)	4A	
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	4.6~5.0mm	4.6~6.0mm

Female cable (with LED PNP)

Product figure



Scale diagram



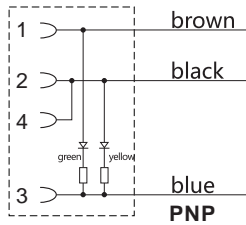
Contact layout (Front view)

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

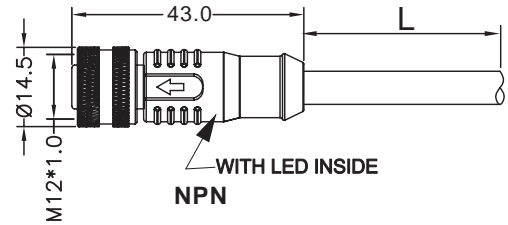
Number of contacts	4
Rated voltage	250V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	4.6~6.0mm

Female cable (with LED NPN)

Product figure



Scale diagram



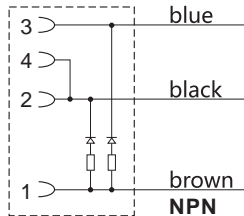
Contact layout (Front view)

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

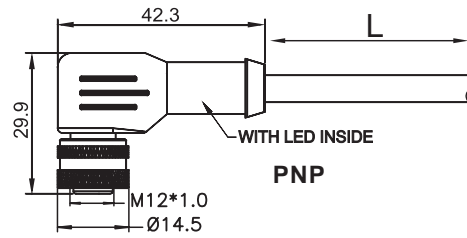
Number of contacts	4
Rated voltage	250V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	4.6~6.0mm

Female cable (90° with LED PNP)

Product figure



Scale diagram



Contact layout (Front view)

3pins

A

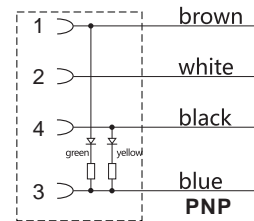
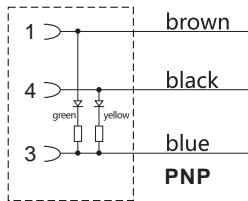


4pins

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

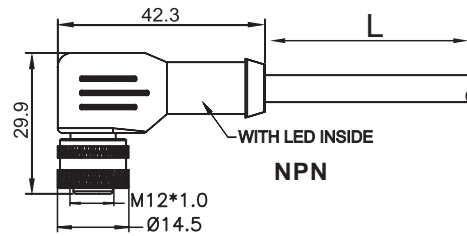
Number of contacts	3	4
Rated voltage	250V	
Rated current (40°C)	4A	
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	4.6~5.0mm	4.6~6.0mm

Female cable (90° with LED NPN)

Product figure



Scale diagram



Contact layout (Front view)

3pins

A

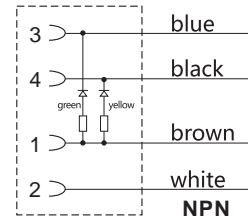
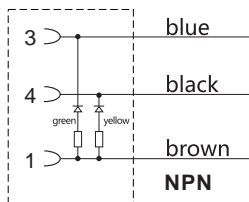


4pins

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

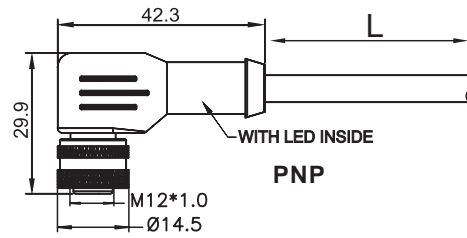
Number of contacts	3	4
Rated voltage	250V	
Rated current (40°C)	4A	
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	4.6~5.0mm	4.6~6.0mm

Female cable (90° with LED PNP)

Product figure



Scale diagram



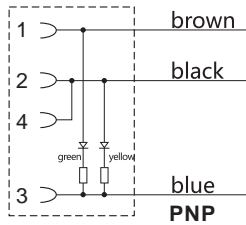
Contact layout (Front view)

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

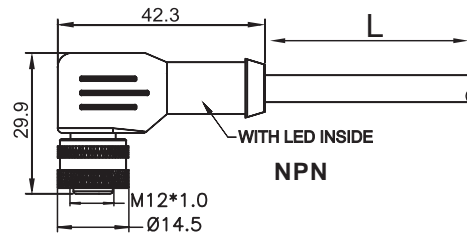
Number of contacts	4
Rated voltage	250V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	4.6~6.0mm

Female cable (90° with LED NPN)

Product figure



Scale diagram



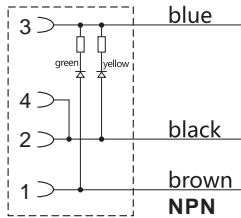
Contact layout (Front view)

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

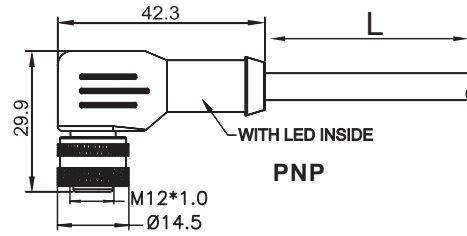
Number of contacts	4
Rated voltage	250V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	4.6~6.0mm

Female cable (90° with LED PNP)

Product figure



Scale diagram



Contact layout (Front view)

4pins

A

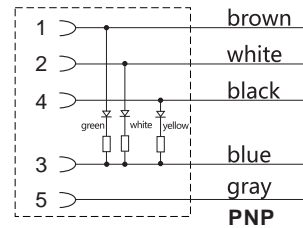
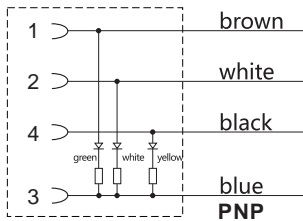


5pins

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

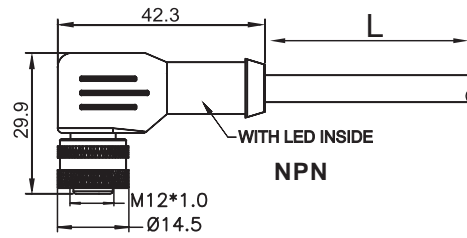
Number of contacts	4	5
Rated voltage	250V	60V
Rated current (40°C)	4A	
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	4.6~6.0mm	

Female cable (90° with LED NPN)

Product figure



Scale diagram



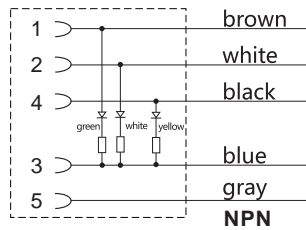
Contact layout (Front view)

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

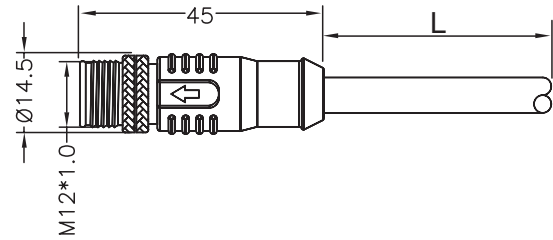
Number of contacts	4	5
Rated voltage	250V	60V
Rated current (40°C)	4A	
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	
Cable OD	4.6~6.0mm	

Male cable (C-coded)

Product figure



Scale diagram



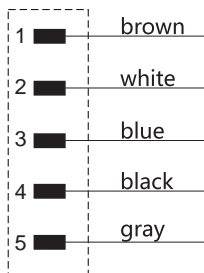
Contact layout (Front view)

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

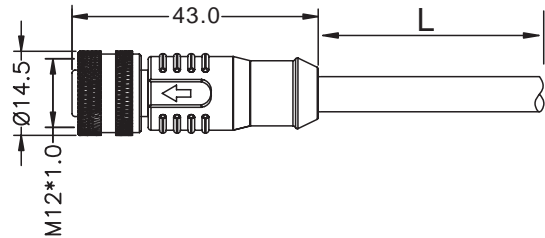
Number of contacts	5
Rated voltage	60V
Rated current (40°C)	2A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	5.8~6.0mm

Female cable (C-coded)

Product figure



Scale diagram



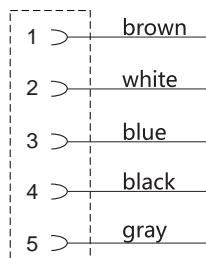
Contact layout (Front view)

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

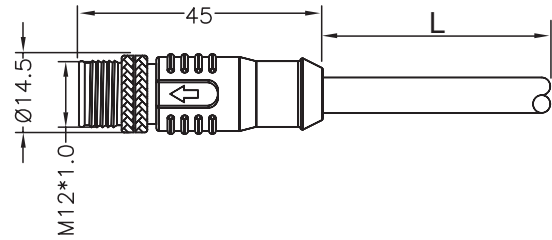
Number of contacts	5
Rated voltage	60V
Rated current (40°C)	2A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	5.8~6.0mm

Male cable (S-coded)

Product figure



Scale diagram



Contact layout (Front view)

3pins

S

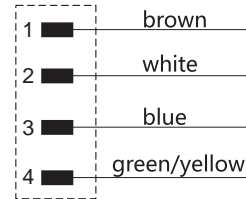


4pins

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

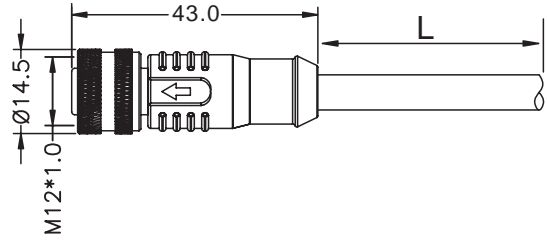
Number of contacts	3	4
Rated voltage	630V	
Rated current (40°C)	12A	
Protection degree	IP67/IP68	
Operating temperature	-40°C ~ +80°C	
Cable OD	7.5mm	8.0mm

Female cable (S-coded)

Product figure



Scale diagram



Contact layout (Front view)

3pins

S

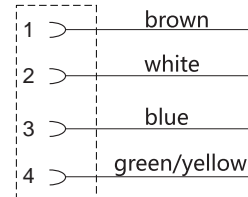
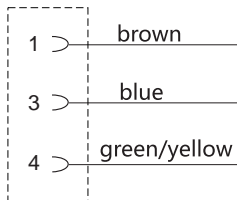


4pins

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

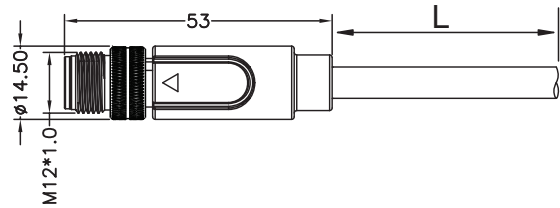
Number of contacts	3	4
Rated voltage	630V	
Rated current (40°C)	12A	
Protection degree	IP67/IP68	
Operating temperature	-40°C ~ +80°C	
Cable OD	7.5mm	8.0mm

Male cable (T-coded)

Product figure



Scale diagram



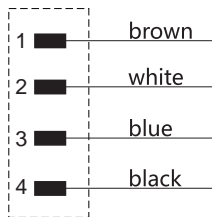
Contact layout (Front view)

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

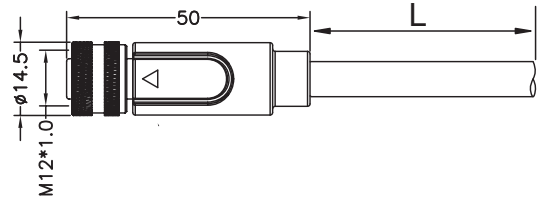
Number of contacts	4
Rated voltage	63V
Rated current (40°C)	12A
Protection degree	IP67/IP68
Operating temperature	-40°C ~ +80°C
Cable OD	8.0mm

Female cable (T-coded)

Product figure



Scale diagram



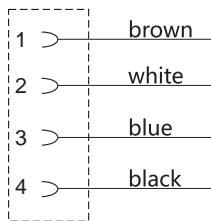
Contact layout (Front view)

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

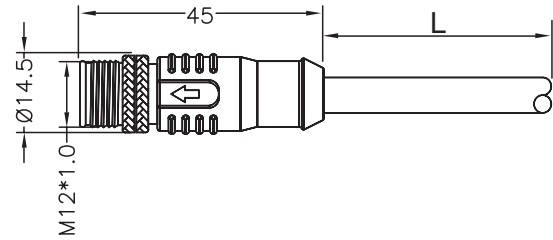
Number of contacts	4
Rated voltage	63V
Rated current (40°C)	12A
Protection degree	IP67/IP68
Operating temperature	-40°C ~ +85°C
Cable OD	8.0mm

Male cable (A-coded with shield)

Product figure DeviceNet, CANopen



Scale diagram



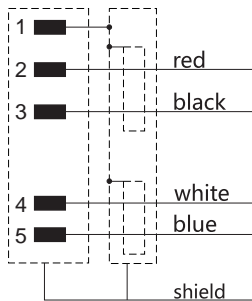
Contact layout (Front view)

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/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

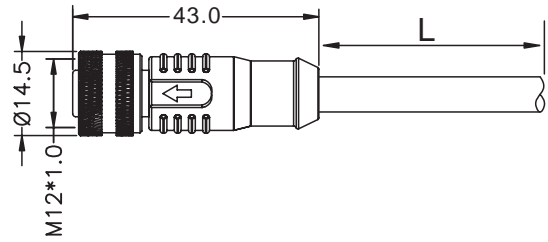
Number of contacts	5
Rated voltage	60V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	7mm

Female cable (A-coded with shield)

Product figure DeviceNet, CANopen



Scale diagram



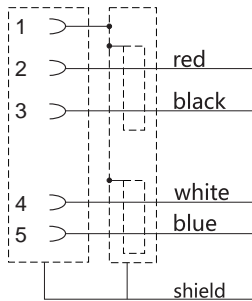
Contact layout (Front view)

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

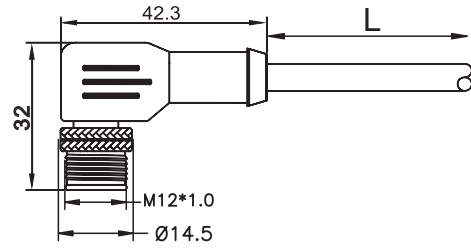
Number of contacts	5
Rated voltage	60V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	7mm

Male cable (90° A-coded with shield)

Product figure DeviceNet, CANopen



Scale diagram



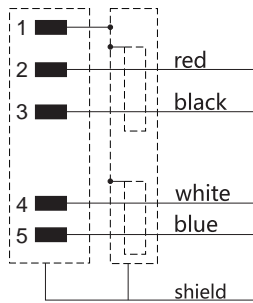
Contact layout (Front view)

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

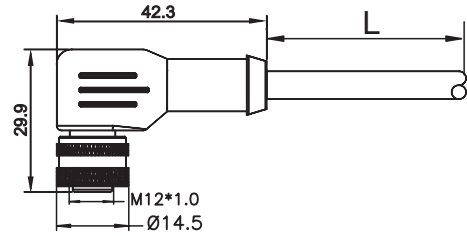
Specifications

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



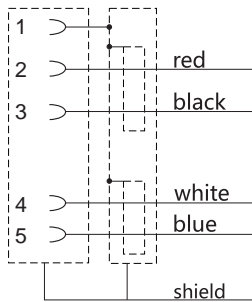
Contact layout (Front view)

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

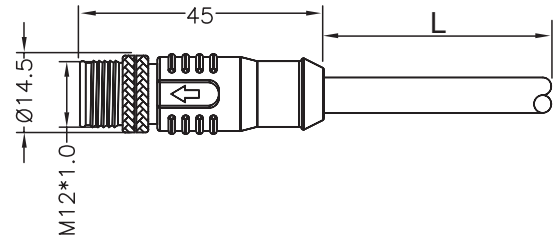
Number of contacts	5
Rated voltage	60V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	7mm

Male cable (B-coded with shield)

Product figure PROFIBUS



Scale diagram



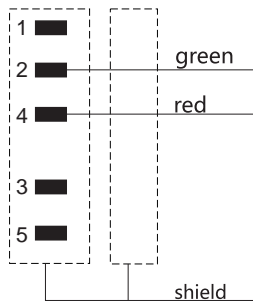
Contact layout (Front view)

2pins

B



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PUR+AEB
			purple
1.5M	2pins	2× 0.64mm	M12B02/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

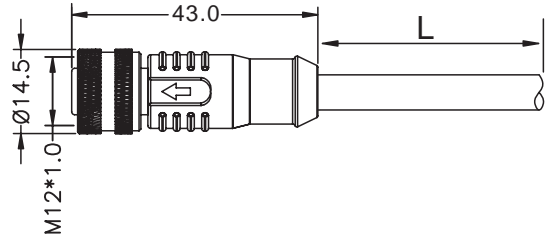
Number of contacts	2
Rated voltage	60V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	6.4mm

Female cable (B-coded with shield)

Product figure PROFIBUS



Scale diagram



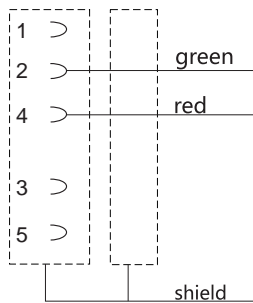
Contact layout (Front view)

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

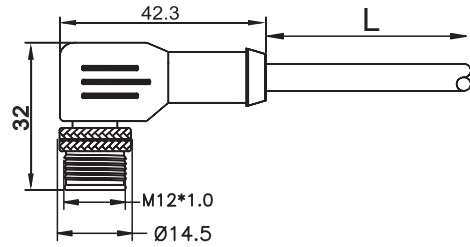
Number of contacts	2
Rated voltage	60V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	6.4mm

Male cable (B-coded with shield)

Product figure PROFIBUS



Scale diagram



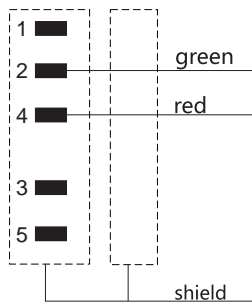
Contact layout (Front view)

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

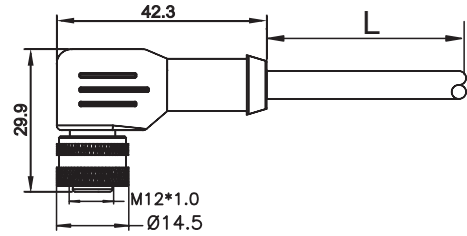
Number of contacts	2
Rated voltage	60V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	6.4mm

Female cable (90° B-coded with shield)

Product figure PROFIBUS



Scale diagram



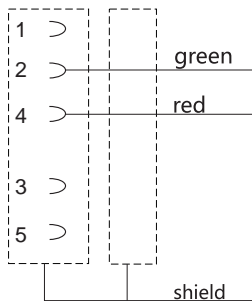
Contact layout (Front view)

2pins

B



Circuit diagram



Order No

Cable length	Contacts	Wire diameter	PUR+AEB
			purple
1.5M	2pins	2× 0.64mm	M12B02/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

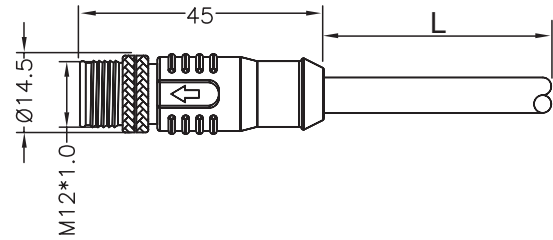
Number of contacts	2
Rated voltage	60V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	6.4mm

Male cable (D-coded with shield)

Product figure EtherCAT, PROFINET



Scale diagram



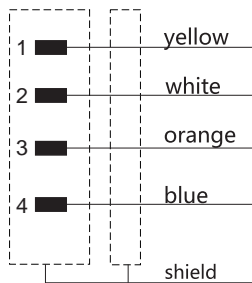
Contact layout (Front view)

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

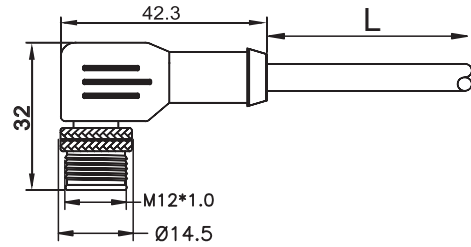
Number of contacts	4
Rated voltage	250V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C
Cable OD	6.4mm

Male cable (90° D-coded with shield)

Product figure EtherCAT, PROFINET



Scale diagram



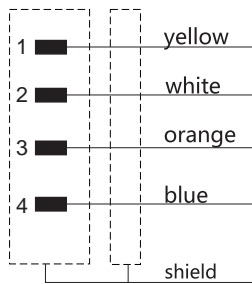
Contact layout (Front view)

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

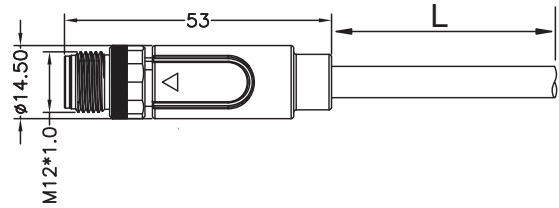
Specifications

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



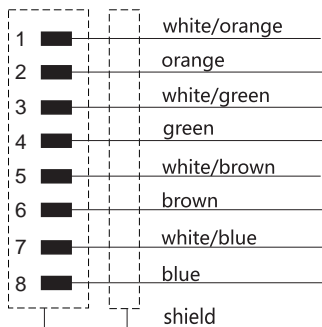
Contact layout (Front view)

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

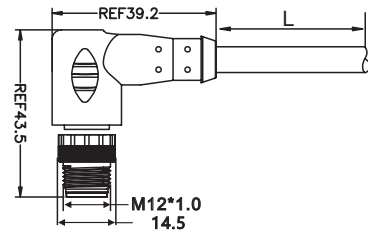
Number of contacts	8
Rated voltage	60V
Rated current (40°C)	0.5A
Protection degree	IP67/IP68
Operating temperature	-40°C ~ +85°C
Cable OD	6.2mm

Male cable (90° X-coded with shield)

Product figure EtherCAT, PROFINET



Scale diagram



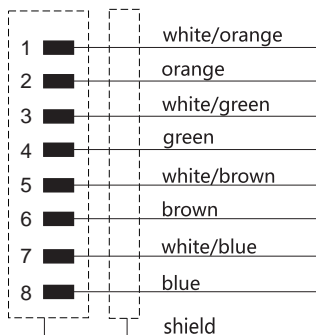
Contact layout (Front view)

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

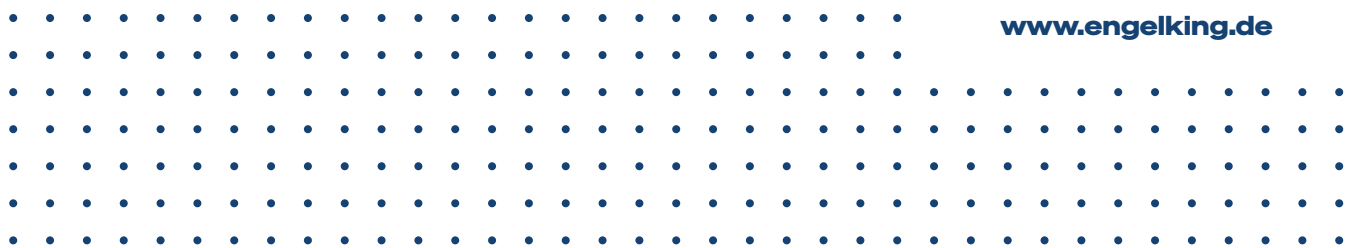
Number of contacts	8
Rated voltage	60V
Rated current (40°C)	0.5A
Protection degree	IP67/IP68
Operating temperature	-40°C ~ +85°C
Cable OD	6.2mm



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