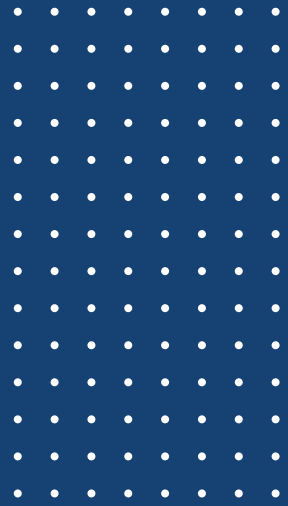


MENGELKING



M12 Series

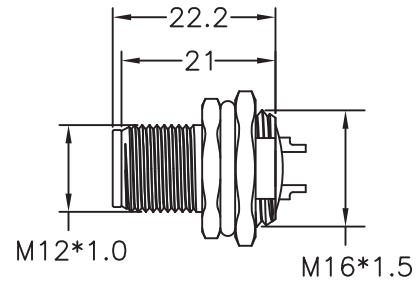
Panel Mount Connectors

Male panel connector

Product figure (M16*1.5 rear fastened solder)



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



5pins

A



8pins

A



12pins

A



17pins

A



5pins

B



4pins

D



Order Data

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

Specifications

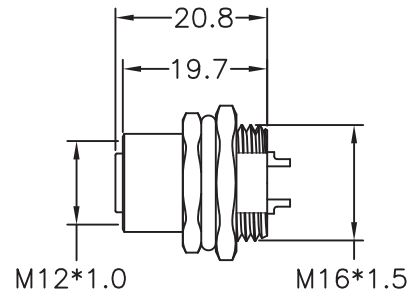
Number of contacts	3	4	5	8	12	17
Termination	solder					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V		30V	
Rated current (40°C)	4A			2A		1.5A
Protection degree	IP67/IP68					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

Female panel connector

Product figure (M16*1.5 rear fastened solder)



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



5pins

A



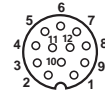
8pins

A



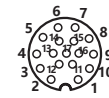
12pins

A



17pins

A



5pins

B



4pins

D



Order Data

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

Specifications

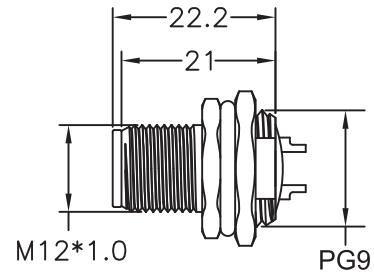
Number of contacts	3	4	5	8	12	17
Termination	solder					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V		30V	
Rated current (40°C)	4A			2A		1.5A
Protection degree	IP67/IP68					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

Male panel connector

Product figure (PG9 rear fastened solder)



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



5pins

A



8pins

A



12pins

A



17pins

A



5pins

B



4pins

D



Order Data

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

Specifications

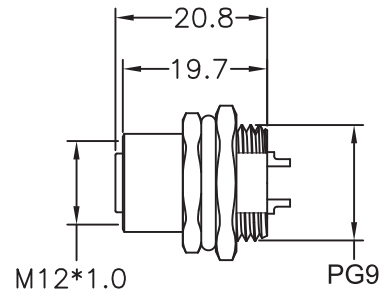
Number of contacts	3	4	5	8	12	17
Termination	solder					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V		30V	
Rated current (40°C)	4A			2A		1.5A
Protection degree	IP67/IP68					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

Female panel connector

Product figure (PG9 rear fastened solder)



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



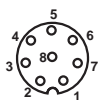
5pins

A



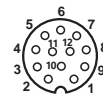
8pins

A



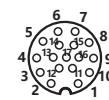
12pins

A



17pins

A



5pins

B



4pins

D



Order Data

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

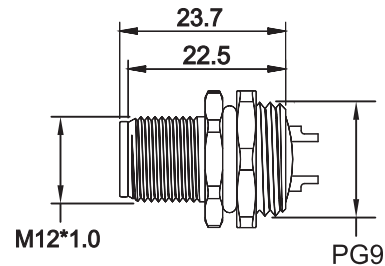
Specifications

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

Male panel connector

Product figure (rear fastened PG9, long shell solder)

Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



5pins

A



8pins

A



12pins

A



17pins

A



5pins

B



4pins

D



Order Data

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

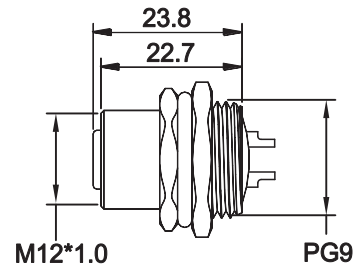
Specifications

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

Female panel connector

Product figure (rear fastened PG9, long shell solder)

Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



5pins

A



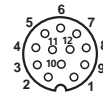
8pins

A



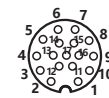
12pins

A



17pins

A



5pins

B



4pins

D



Order Data

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

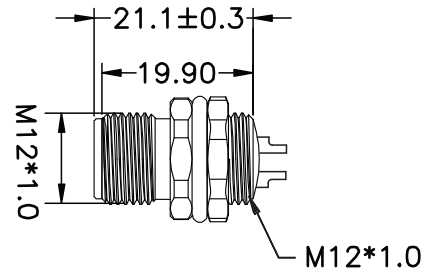
Specifications

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

Male panel connector

Product figure (M12*1.0 rear fastened solder)

Scale diagram



Contact layout (Front view)

3pins

4pins

5pins

8pins

12pins

17pins

5pins

4pins

A

A

A

A

A

A

B

D



Order Data

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

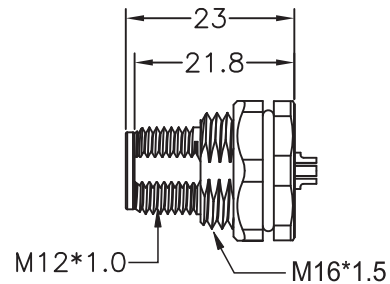
Specifications

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

Male panel connector

Product figure (M16*1.5 front fastened solder)

Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



5pins

A



8pins

A



12pins

A



17pins

A



5pins

B



4pins

D



Order Data

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

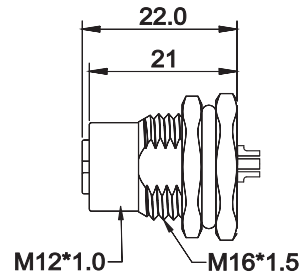
Specifications

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

Female panel connector

Product figure (M16*1.5 front fastened solder)

Scale diagram



Contact layout (Front view)

3pins

4pins

5pins

8pins

12pins

17pins

5pins

4pins

A

A

A

A

A

A

B

D



Order Data

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

Specifications

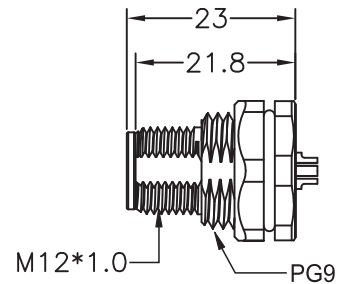
Number of contacts	3	4	5	8	12	17
Termination	solder					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V		30V	
Rated current (40°C)	4A			2A		1.5A
Protection degree	IP67/IP68					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

Male panel connector

Product figure (PG9 front fastened solder)



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



5pins

A



8pins

A



12pins

A



17pins

A



5pins

B



4pins

D



Order Data

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

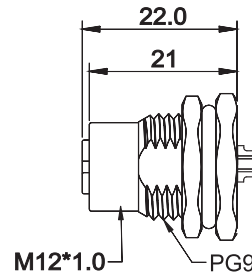
Specifications

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

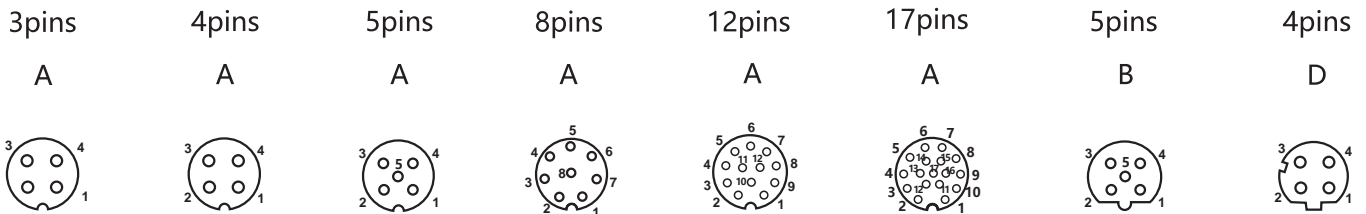
Female panel connector

Product figure (PG9 front fastened solder)

Scale diagram



Contact layout (Front view)



Order Data

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

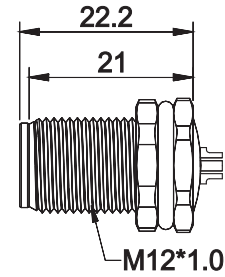
Specifications

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

Male panel connector

Product figure (M12*1.0 front fastened solder)

Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



5pins

A



8pins

A



12pins

A



17pins

A



5pins

B



4pins

D



Order Data

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

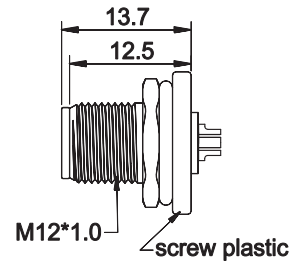
Specifications

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

Male plastic panel connector

Product figure (M12*1.0 front fastened solder)

Scale diagram



Contact layout (Front view)

3pins

4pins

5pins

8pins

12pins

5pins

4pins

A

A

A

A

A

B

D



Order Data

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

Specifications

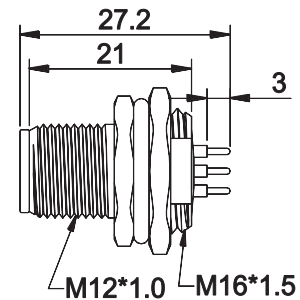
Number of contacts	3	4	5	8	12	17
Termination	solder					
Wire gauge	0.14/0.25/0.34/0.5mm ² / (26/24/22/20 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V		30V	
Rated current (40°C)	4A			2A		1.5A
Protection degree	IP67/IP68					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

Male panel connector

Product figure (M16*1.5 rear fastened DIP)



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



5pins

A



8pins

A



12pins

A



17pins

A



5pins

B



4pins

D



Order Data

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

Specifications

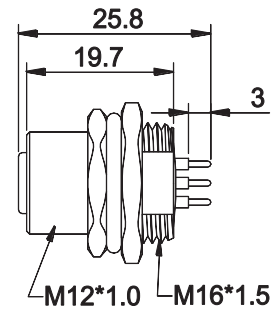
Number of contacts	3	4	5	8	12	17
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V		30V	
Rated current (40°C)	4A			2A		1.5A
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance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

Female panel connector

Product figure (M16*1.5 rear fastened DIP)



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



5pins

A



8pins

A



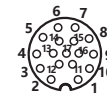
12pins

A



17pins

A



5pins

B



4pins

D



Order Data

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

Specifications

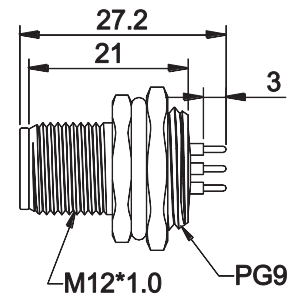
Number of contacts	3	4	5	8	12	17
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V		30V	
Rated current (40°C)	4A			2A		1.5A
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance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

Male panel connector

Product figure (PG9 rear fastened DIP)



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



5pins

A



8pins

A



12pins

A



17pins

A



5pins

B



4pins

D



Order Data

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

Specifications

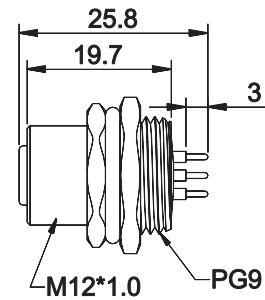
Number of contacts	3	4	5	8	12	17
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C ~ +85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V		30V	
Rated current (40°C)	4A			2A		1.5A
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance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

Female panel connector

Product figure (PG9 rear fastened DIP)



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



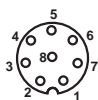
5pins

A



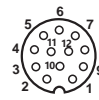
8pins

A



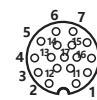
12pins

A



17pins

A



5pins

B



4pins

D



Order Data

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

Specifications

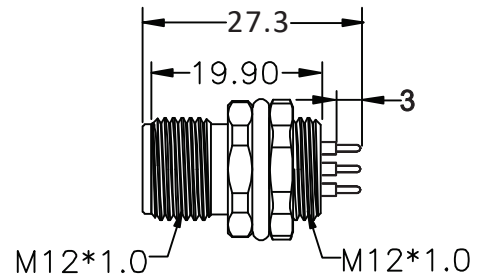
Number of contacts	3	4	5	8	12	17
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V		30V	
Rated current (40°C)	4A			2A		1.5A
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance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

Male panel connector

Product figure (M12*1.0 rear fastened DIP)



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



5pins

A



8pins

A



12pins

A



17pins

A



5pins

B



4pins

D



Order Data

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

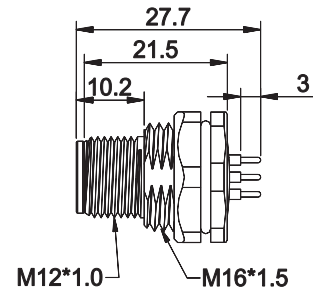
Specifications

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

Male panel connector

Product figure (M16*1.5 front fastened DIP)

Scale diagram



Contact layout (Front view)

3pins

4pins

5pins

8pins

12pins

17pins

5pins

4pins

A

A

A

A

A

A

B

D



Order Data

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

Specifications

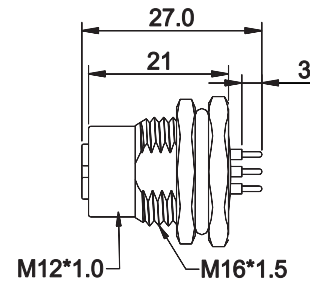
Number of contacts	3	4	5	8	12	17
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V		30V	
Rated current (40°C)	4A			2A		1.5A
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance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

Female panel connector

Product figure (M16*1.5 front fastened DIP)



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



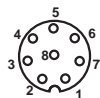
5pins

A



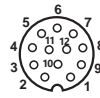
8pins

A



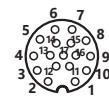
12pins

A



17pins

A



5pins

B



4pins

D



Order Data

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

Specifications

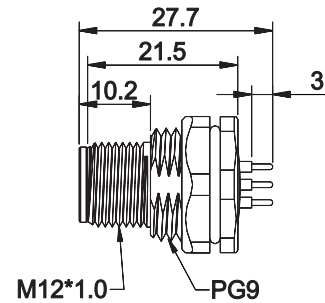
Number of contacts	3	4	5	8	12	17
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V		30V	
Rated current (40°C)	4A			2A		1.5A
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance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

Male panel connector

Product figure (PG9 front fastened DIP)



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



5pins

A



8pins

A



12pins

A



17pins

A



5pins

B



4pins

D



Order Data

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

Specifications

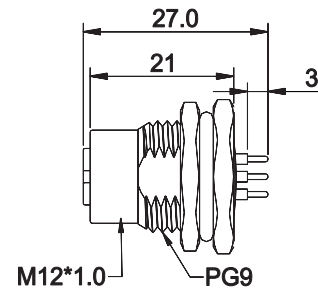
Number of contacts	3	4	5	8	12	17
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V		30V	
Rated current (40°C)	4A			2A		1.5A
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance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

Female panel connector

Product figure (PG9 front fastened DIP)



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



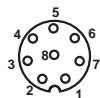
5pins

A



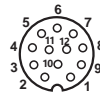
8pins

A



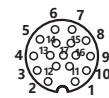
12pins

A



17pins

A



5pins

B



4pins

D



Order Data

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

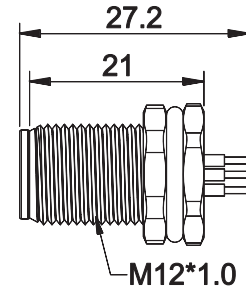
Specifications

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

Male panel connector

Product figure (M12*1.0 front fastened DIP)

Scale diagram



Contact layout (Front view)

3pins

4pins

5pins

8pins

12pins

17pins

5pins

4pins

A

A

A

A

A

A

B

D



Order Data

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

Specifications

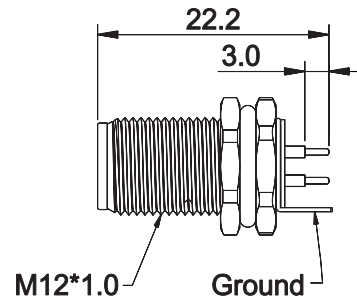
Number of contacts	3	4	5	8	12	17
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V		30V	
Rated current (40°C)	4A			2A		1.5A
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance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

Male panel connector

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



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



5pins

A



8pins

A



12pins

A



17pins

A



5pins

B



4pins

D



Order Data

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

Specifications

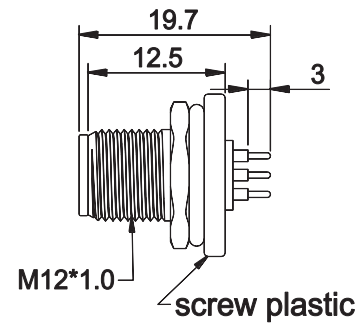
Number of contacts	3	4	5	8	12	17
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V		30V	
Rated current (40°C)	4A			2A		1.5A
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance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

Male panel connector

Product figure (M12*1.0 front fastened DIP)



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



5pins

A



8pins

A



12pins

A



5pins

B



4pins

D



Order Data

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

Specifications

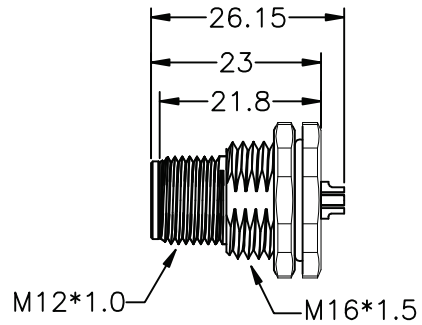
Number of contacts	3	4	5	8	12
Termination	PCB				
Wire gauge	—				
Operating temperature	-25°C ~ +85°C				
Mechanical operation	> 100 mating cycles				
Rated voltage	250V		60V	30V	
Rated current (40°C)	4A			2A	1.5A
Protection degree	IP67/IP68				
Contact resistance	< 10mΩ				
Insulation resistance	≥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

Male panel connector

Product figure (M16*1.5 front fastened solder)



Scale diagram



Contact layout (Front view)

5pins

A



Order Data

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

Specifications

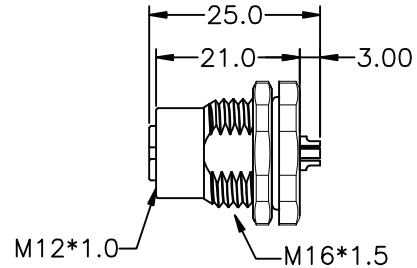
Number of contacts	5
Termination	solder
Wire gauge	—
Operating temperature	-25°C~+85°C
Mechanical operation	> 100 mating cycles
Rated voltage	60V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating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

Female panel connector

Product figure (M16*1.5 front fastened solder)



Scale diagram



Contact layout (Front view)

5pins

A



Order Data

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

Specifications

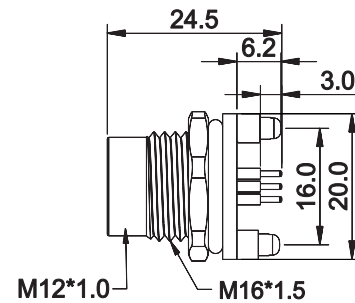
Number of contacts	5
Termination	solder
Wire gauge	—
Operating temperature	-25°C~+85°C
Mechanical operation	> 100 mating cycles
Rated voltage	60V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating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

Female panel connector

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



Scale diagram



Contact layout (Front view)

3pins

4pins

5pins

8pins

12pins

17pins

5pins

4pins

A

A

A

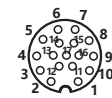
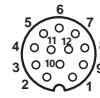
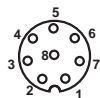
A

A

A

B

D



Order Data

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

Specifications

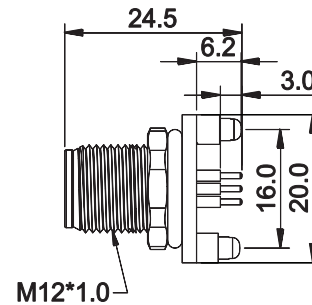
Number of contacts	3	4	5	8	12	17
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	250V		60V		30V	
Rated current (40°C)	4A			2A		1.5A
Protection degree	IP67/IP68					
Contact resistance	< 10mΩ					
Insulation resistance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

Male panel connector

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



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



5pins

A



8pins

A



12pins

A



17pins

A



5pins

B



4pins

D



Order Data

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

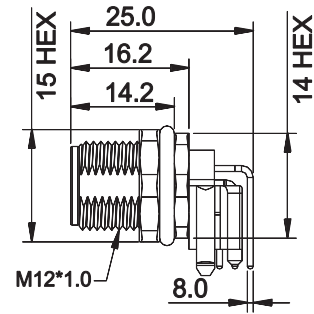
Specifications

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

Male panel connector

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

Scale diagram



Contact layout (Front view)

3pins

4pins

5pins

8pins

12pins

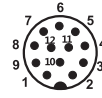
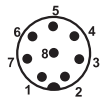
A

A

A

A

A



Order Data

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

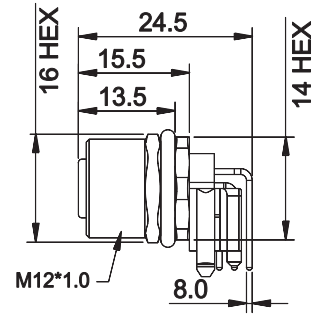
Specifications

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

Female panel connector

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

Scale diagram



Contact layout (Front view)

3pins

4pins

5pins

8pins

12pins

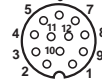
A

A

A

A

A



Order Data

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

Specifications

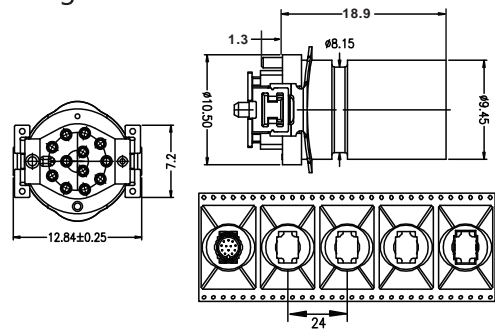
Number of contacts	3	4	5	8	12
Termination	PCB				
Wire gauge	—				
Operating temperature	-25°C ~ +85°C				
Mechanical operation	> 100 mating cycles				
Rated voltage	250V		60V	30V	
Rated current (40°C)	4A			2A	1.5A
Protection degree	IP67/IP68				
Contact resistance	< 10mΩ				
Insulation resistance	≥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

M12 A-coding male SMT

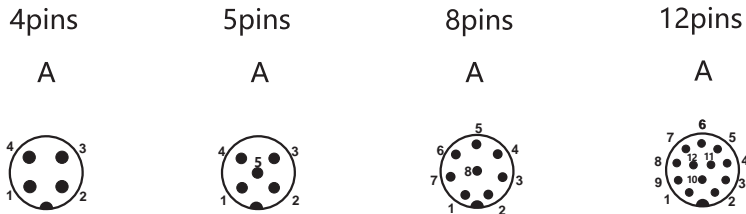
Product figure



Scale diagram



Contact layout (Front view)



Order Data

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

Specifications

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

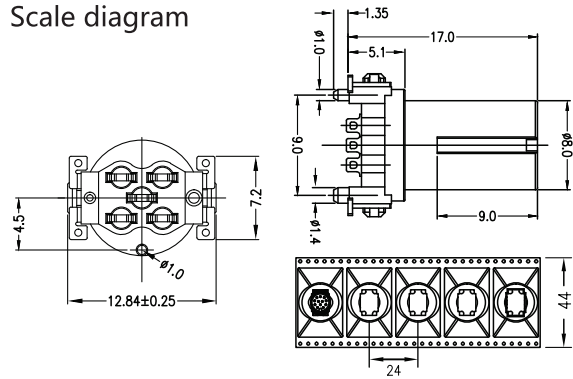


M12 A-coding female SMT

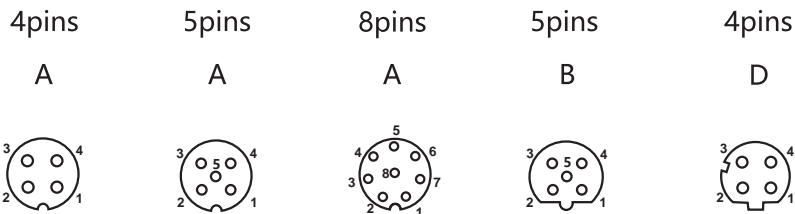
Product figure



Scale diagram



Contact layout (Front view)



Order Data

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

Specifications

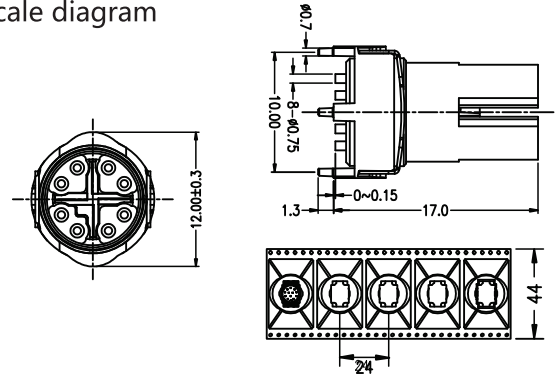
Number of contacts	4	5	8
Termination	SMT		
Wire gauge	—		
Operating temperature	-25°C ~ +85°C		
Mechanical operation	> 100 mating cycles		
Rated voltage	250V	60V	30V
Rated current (40°C)	4A		2A
Protection degree	IP67		
Contact resistance	< 10mΩ		
Insulation resistance	≥ 100MΩ		
Pin contact	CuZn		
Socket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

M12 X-coding female SMT

Product figure



Scale diagram



Contact layout (Front view)

4pins

X

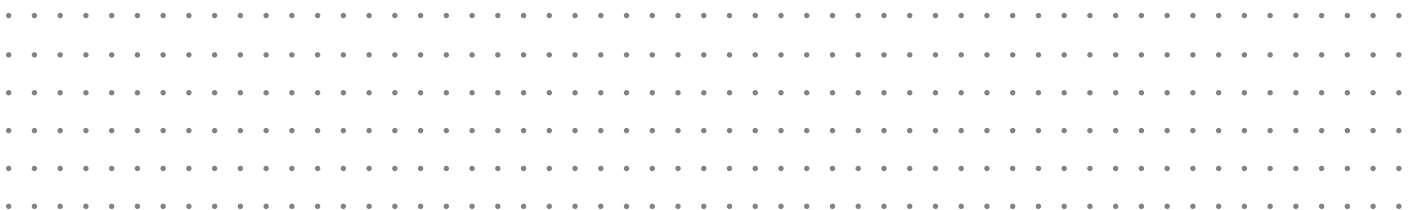


Order Data

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

Specifications

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

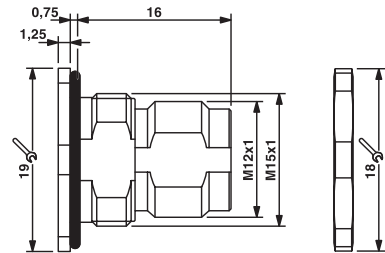


M12 Male SMT Shell

Product figure



Scale diagram

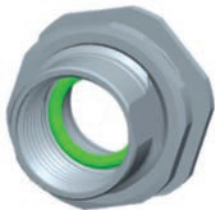


Order No

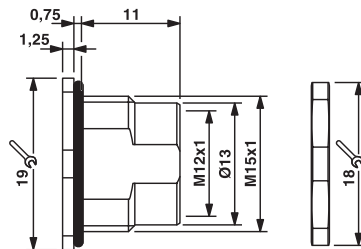
M12000/M/S4/BN

M12 Female SMT Shell

Product figure



Scale diagram



Order No

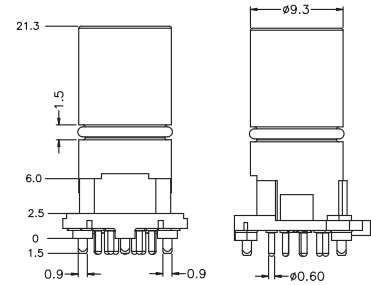
M12000/M/S4/BN

M12 A-coding Male THR

Product figure



Scale diagram



Contact layout (Front view)

4pins

D



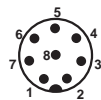
5pins

A



8pins

A



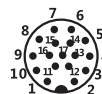
12pins

A



17pins

A



Order Data

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

Specifications

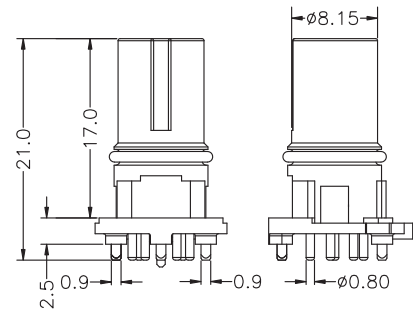
Number of contacts	4	5	8	12	17
Termination	THR				
Wire gauge	—				
Operating temperature	-25°C ~ +85°C				
Mechanical operation	> 100 mating cycles				
Rated voltage	250V	60V	30V		
Rated current (40°C)	4A		2A	1.5A	
Protection degree	IP67				
Contact resistance	< 10mΩ				
Insulation resistance	≥ 100MΩ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

M12 A-coding Female THR

Product figure



Scale diagram



Contact layout (Front view)

4pins

D



5pins

A



5pins

B



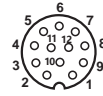
8pins

A



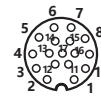
12pins

A



17pins

A



Order Data

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

Specifications

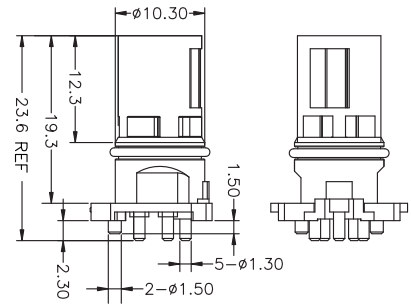
Number of contacts	4	5	8	12	17
Termination	THR				
Wire gauge	—				
Operating temperature	-25°C ~ +85°C				
Mechanical operation	> 100 mating cycles				
Rated voltage	250V	60V	30V		
Rated current (40°C)	4A		2A	1.5A	
Protection degree	IP67				
Contact resistance	< 10mΩ				
Insulation resistance	≥ 100MΩ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

M12 L-coding Male THR

Product figure



Scale diagram



Contact layout (Front view)

4+FE

L



Order Data

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

Specifications

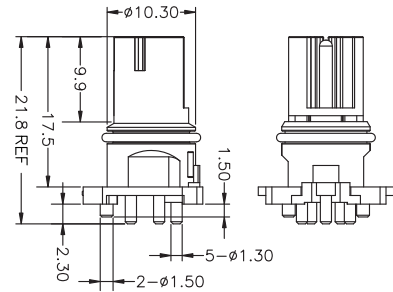
Number of contacts	5
Termination	THR
Wire gauge	—
Operating temperature	-25°C ~ +85°C
Mechanical operation	> 100 mating cycles
Rated voltage	63V
Rated current (40°C)	16A
Protection degree	IP67
Contact resistance	< 10mΩ
Insulation resistance	≥ 100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating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

M12 L-coding Female THR

Product figure



Scale diagram



Contact layout (Front view)

4+FE

L



Order Data

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

Specifications

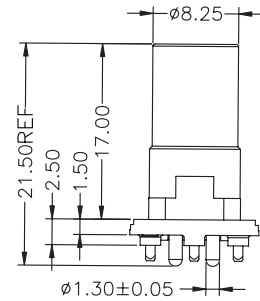
Number of contacts	5
Termination	THR
Wire gauge	—
Operating temperature	-25°C ~ +85°C
Mechanical operation	> 100 mating cycles
Rated voltage	63V
Rated current (40°C)	16A
Protection degree	IP67
Contact resistance	< 10mΩ
Insulation resistance	≥ 100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating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

M12 T-coding Male THR

Product figure



Scale diagram



Contact layout (Front view)

4pins

T



Order Data

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

Specifications

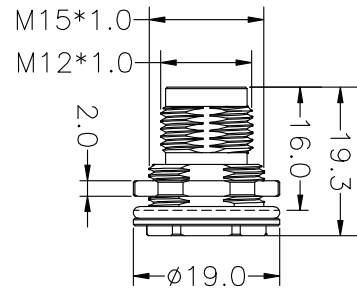
Number of contacts	4
Termination	THR
Wire gauge	—
Operating temperature	-25°C ~ +85°C
Mechanical operation	> 100 mating cycles
Rated voltage	63V
Rated current (40°C)	12A
Protection degree	IP67
Contact resistance	< 10mΩ
Insulation resistance	≥ 100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact plating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

M12 Male THR Shell

Product figure



Scale diagram



Order No

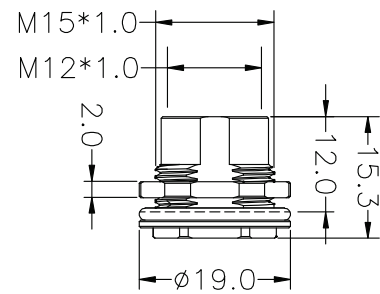
M12000/MT4/BN

M12 Female THR Shell

Product figure



Scale diagram



Order No

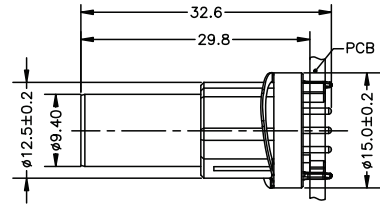
M12000/FT4/BN

Male PCB

Product figure



Scale diagram



Contact layout (Front view)

4pins

5pins

A

A



Order Data

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

Specifications

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

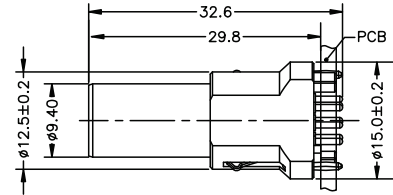


Male PCB

Product figure



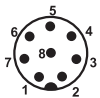
Scale diagram



Contact layout (Front view)

8pins

A

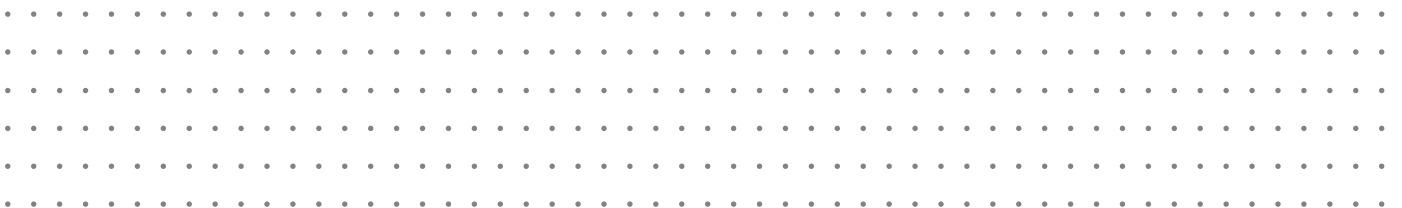


Order Data

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

Specifications

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

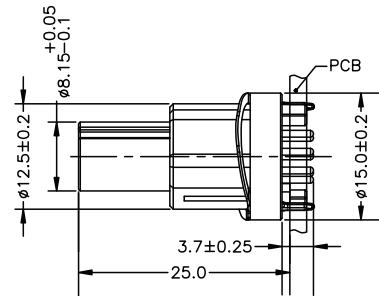


Female PCB

Product figure



Scale diagram



Contact layout (Front view)

4pins

5pins

8pins

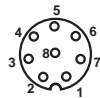
4pins

A

A

A

D



Order Data

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

Specifications

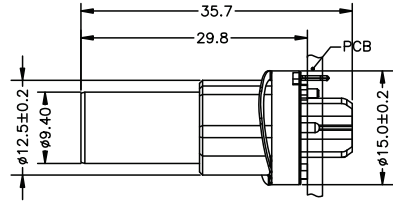
Number of contacts	4	5	8
Termination	PCB		
Wire gauge	—		
Operating temperature	-25°C ~ +85°C		
Mechanical operation	> 100 mating cycles		
Rated voltage	250V	60V	
Rated current (40°C)	4A		2A
Protection degree	IP67/IP68		
Contact resistance	< 10mΩ		
Insulation resistance	≥ 100MΩ		
Pin contact	CuZn		
Socket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

Male PCB

Product figure



Scale diagram



Contact layout (Front view)

3+PE

S

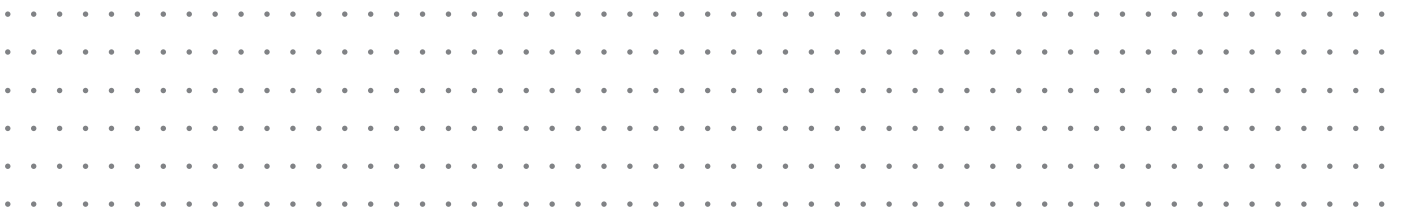


Order Data

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

Specifications

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

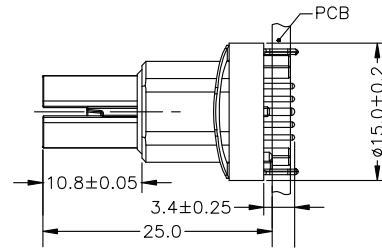


Male PCB

Product figure



Scale diagram



Contact layout (Front view)

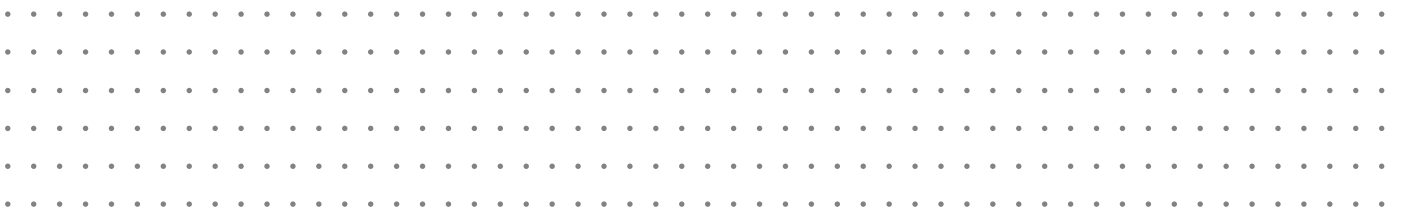


Order Data

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

Specifications

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

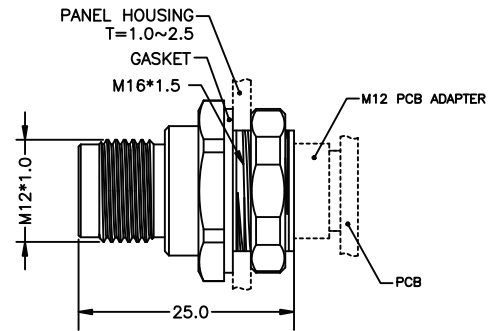


Male PCB adapter shell

Product figure



Scale diagram



Order No

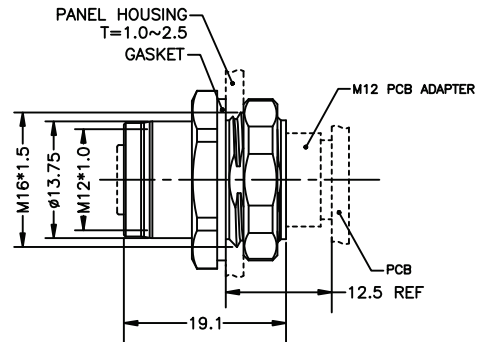
M12000/MG2/BN

Female PCB adapter shell

Product figure



Scale diagram



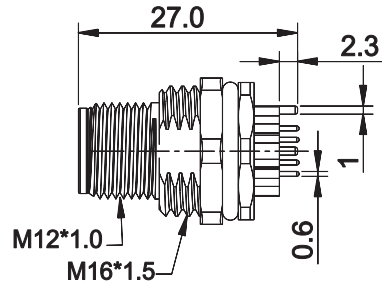
Order No

M12000/FG2/BN

Male panel connector

Product figure (M16*1.5 front fastened DIP)

Scale diagram



Contact layout (Front view)

8pins

X

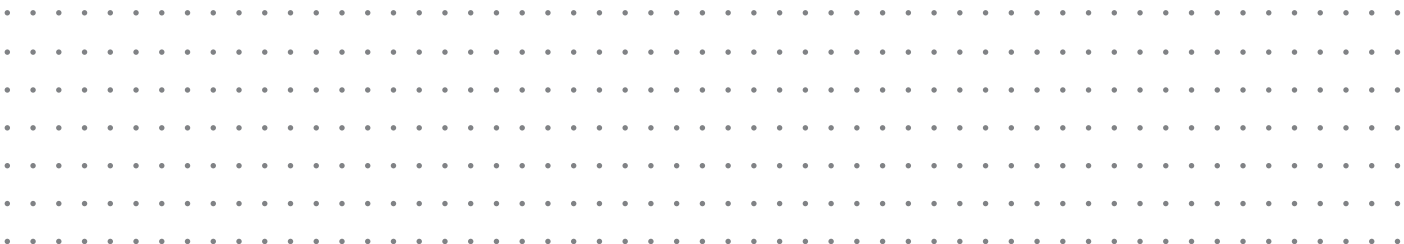


Order Data

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

Specifications

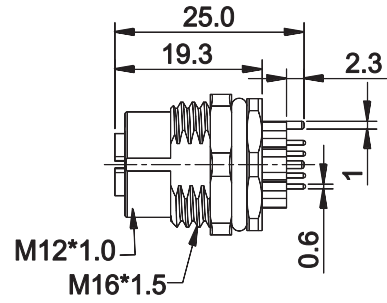
Number of contacts	8
Termination	PCB
Wire gauge	—
Operating temperature	-40°C~+85°C
Mechanical operation	> 100 mating cycles
Rated voltage	50V AC / 60V DC
Rated current (40°C)	0.5A
Protection degree	IP67/IP68
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
Pin contact	CuZn
Socket contact	CuSn
Contact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



Female panel connector

Product figure (M16*1.5 front fastened DIP)

Scale diagram



Contact layout (Front view)

8pins

X

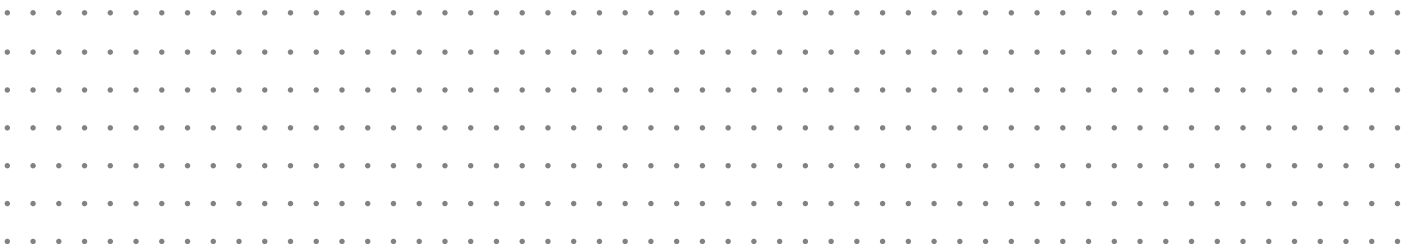


Order Data

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

Specifications

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

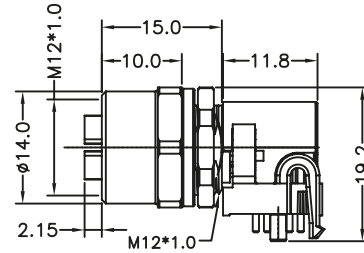


Female panel connector

Product figure



Scale diagram



Contact layout (Front view)

8pins

X

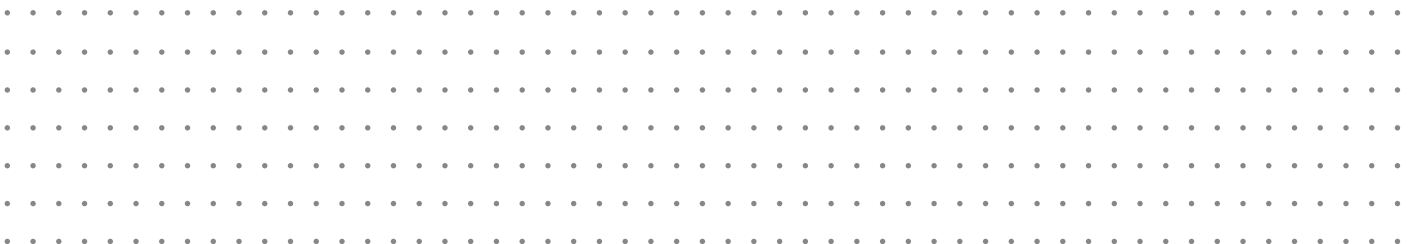


Order Data

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

Specifications

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

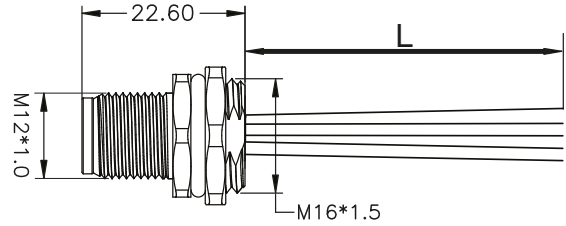


Male panel connector

Product figure (rear fastened)



Scale diagram



Contact layout (Front view)

2+PE

S



3+PE

S

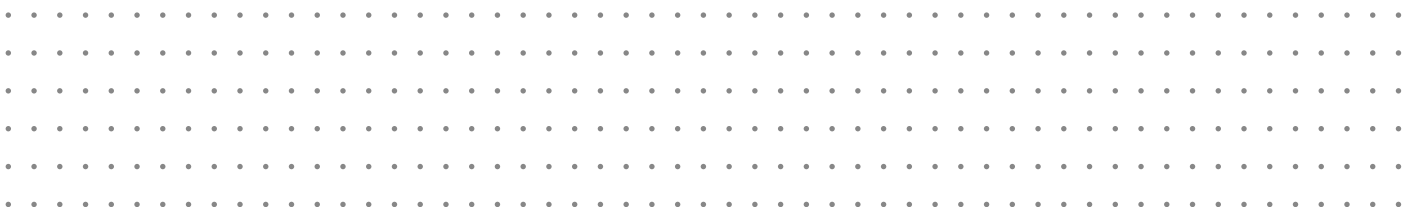


Order Data

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

Specifications

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

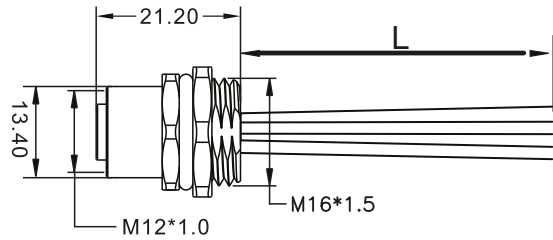


Female panel connector

Product figure (rear fastened)



Scale diagram



Contact layout (Front view)

2+PE

S



3+PE

S

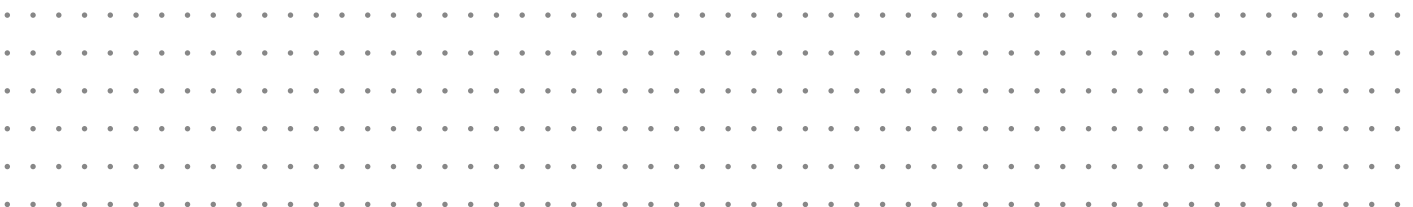


Order Data

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

Specifications

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

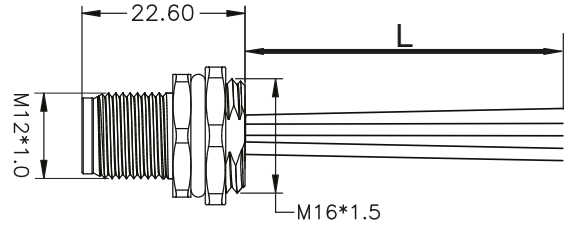


Male panel connector

Product figure (rear fastened)



Scale diagram



Contact layout (Front view)

4pins

T

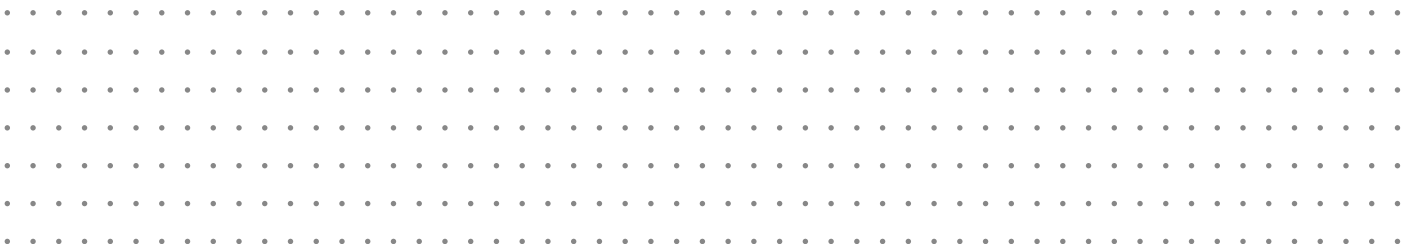


Order Data

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

Specifications

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

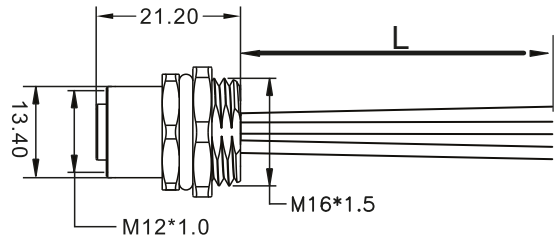


Female panel connector

Product figure (rear fastened)



Scale diagram



Contact layout (Front view)

4pins

T

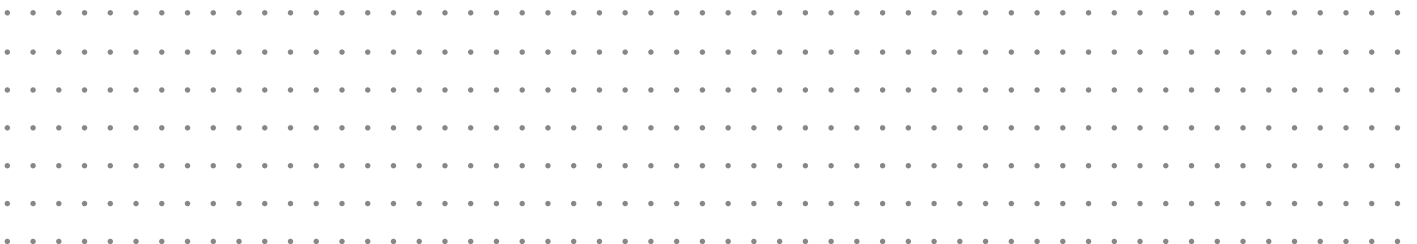


Order Data

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

Specifications

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

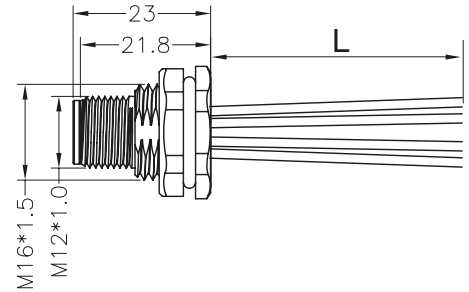


Male panel connector

Product figure (front fastened)



Scale diagram



Contact layout (Front view)

4+FE

E

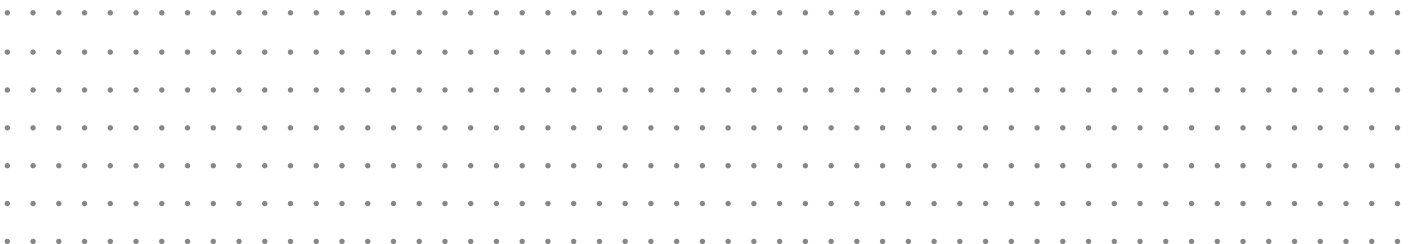


Order Data

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

Specifications

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

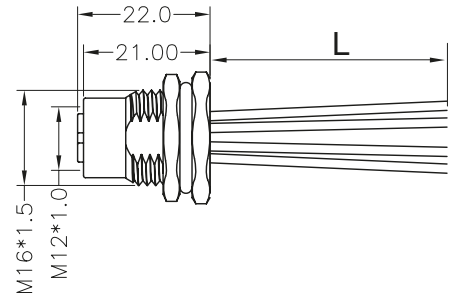


Female panel connector

Product figure (front fastened)



Scale diagram



Contact layout (Front view)

4+FE

E

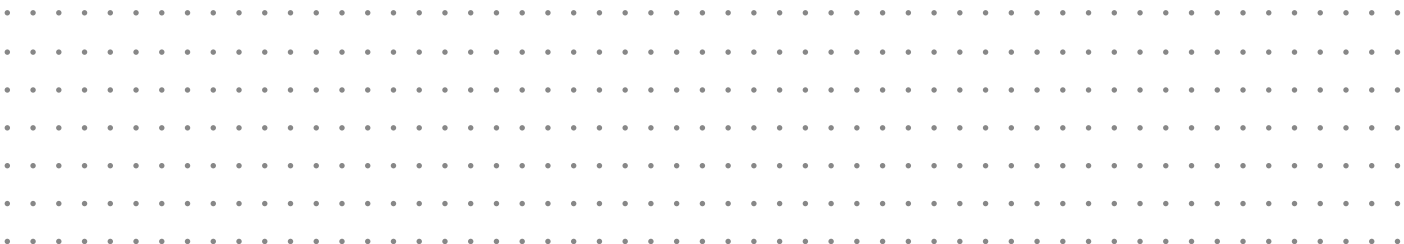


Order Data

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

Specifications

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

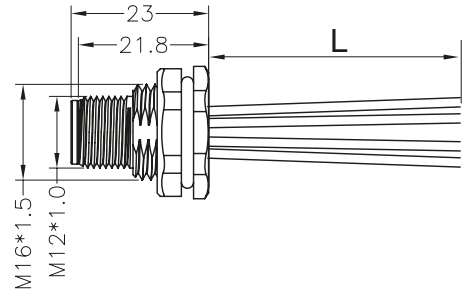


Male panel connector

Product figure (front fastened)



Scale diagram



Contact layout (Front view)

4pins

F

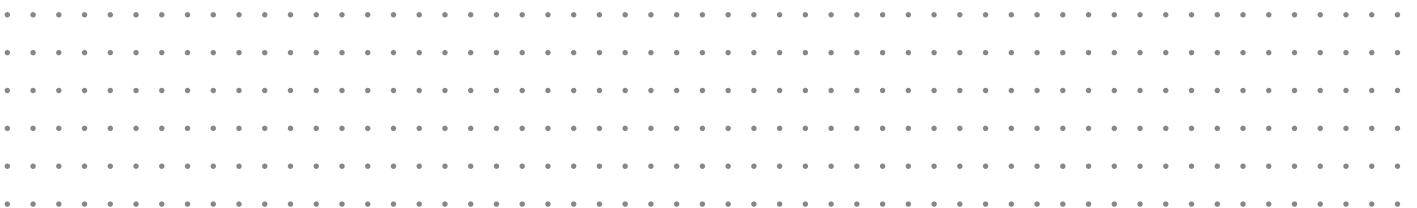


Order Data

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

Specifications

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

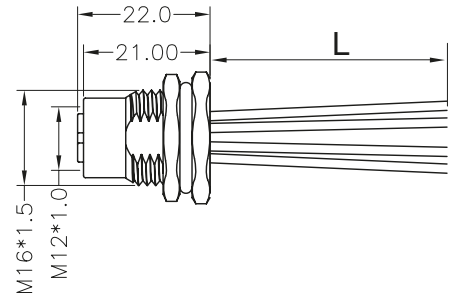


Female panel connector

Product figure (front fastened)



Scale diagram



Contact layout (Front view)

4pins

F

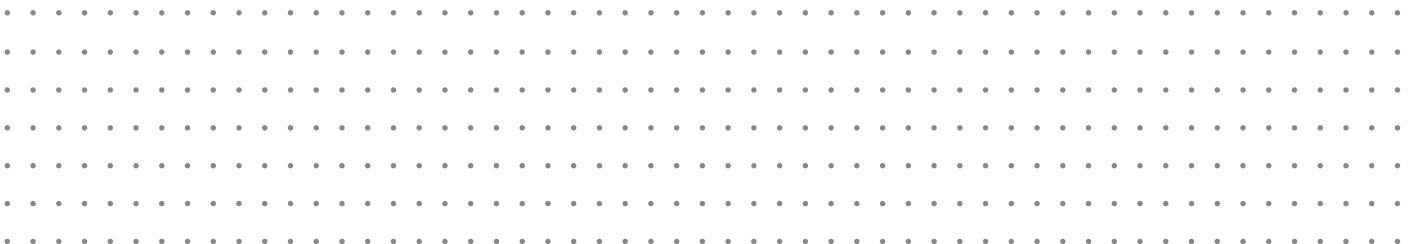


Order Data

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

Specifications

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

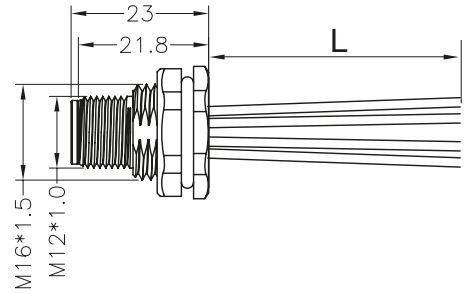


Male panel connector

Product figure (front fastened)



Scale diagram



Contact layout (Front view)

4+PE

K

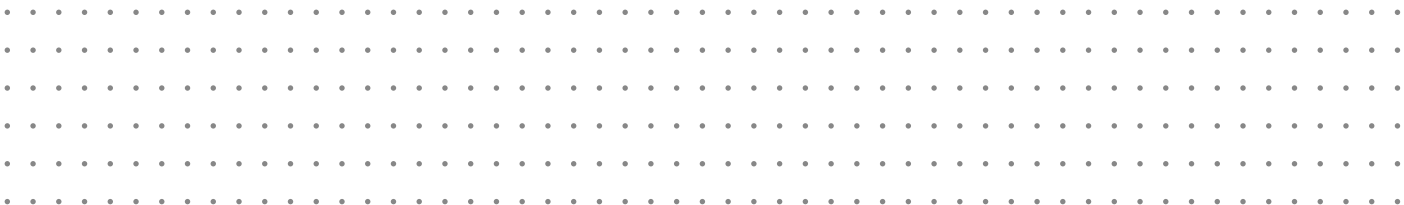


Order Data

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

Specifications

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

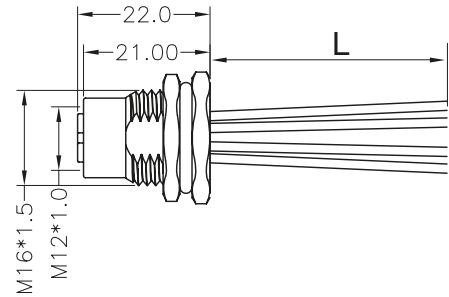


Female panel connector

Product figure (front fastened)



Scale diagram



Contact layout (Front view)

4+PE

K

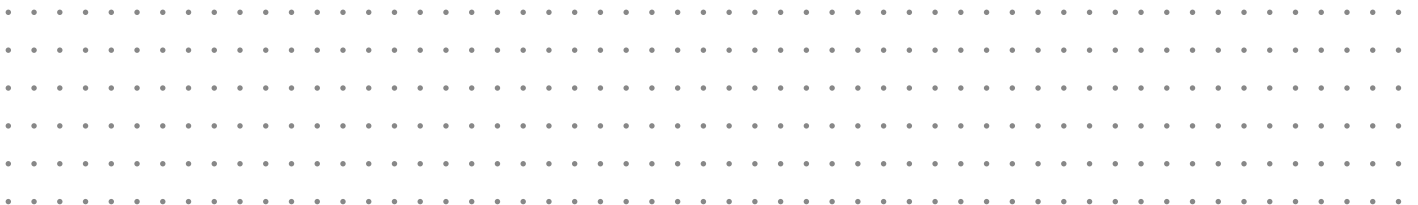


Order Data

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

Specifications

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

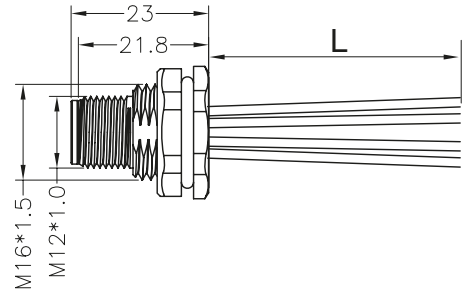


Male panel connector

Product figure (front fastened)



Scale diagram



Contact layout (Front view)

4+FE

L

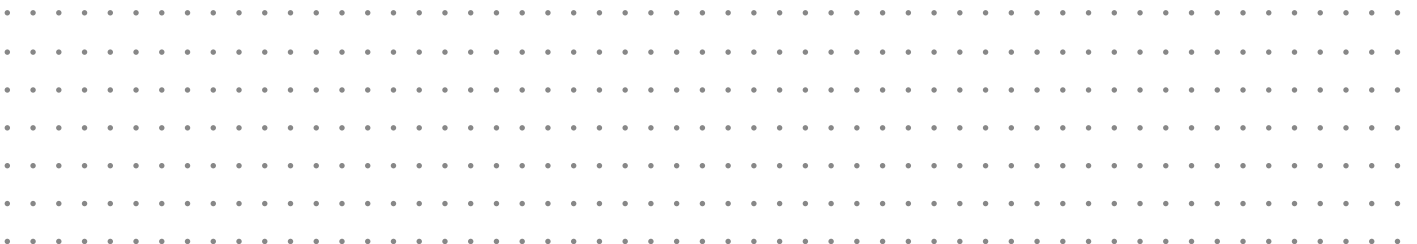


Order Data

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

Specifications

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

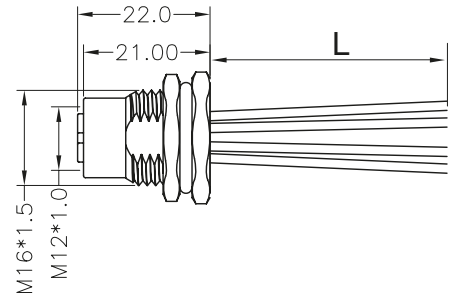


Female panel connector

Product figure (front fastened)



Scale diagram



Contact layout (Front view)

4+FE

L

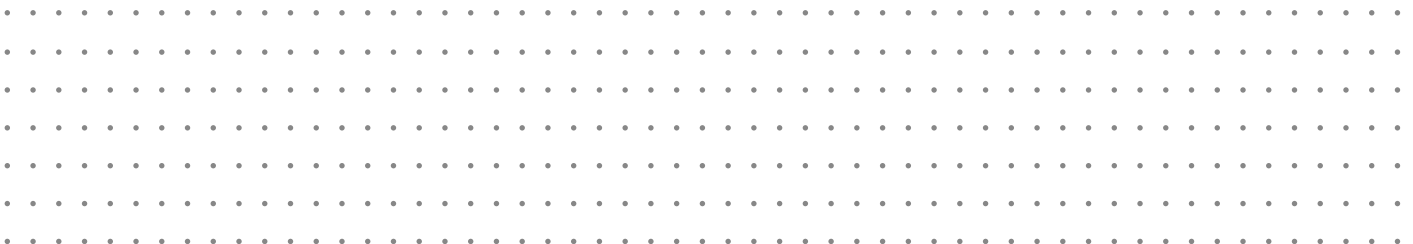


Order Data

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

Specifications

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

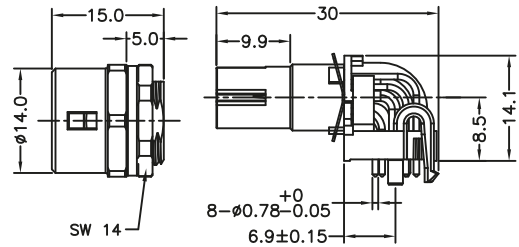


Female panel connector

Product figure



Scale diagram



Contact layout (Front view)

8pins

Y

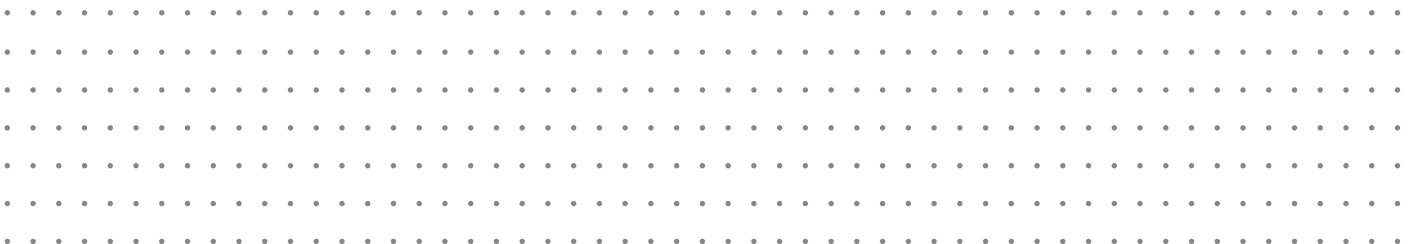


Order Data

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

Specifications

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

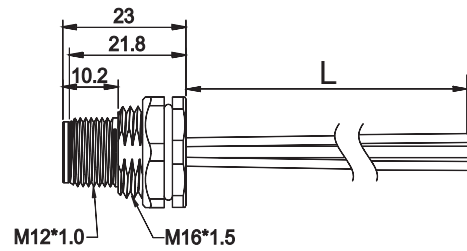


Male panel connector

Product figure (front fastened)



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A

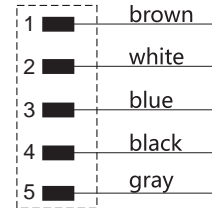
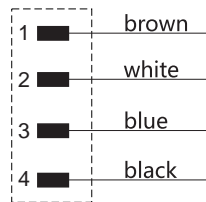
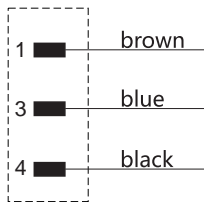


5pins

A



Circuit diagram



Order No

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

Specifications

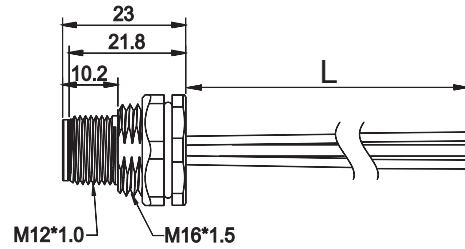
Number of contacts	3	4	5
Rated voltage	250V		60V
Rated current (40°C)	4A		
Protection degree	IP67/IP68		
Operating temperature	-25°C ~ +80°C		

Male panel connector

Product figure (front fastened)



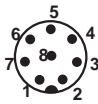
Scale diagram



Contact layout (Front view)

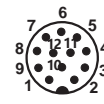
8pins

A

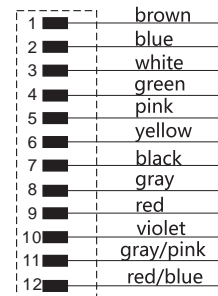
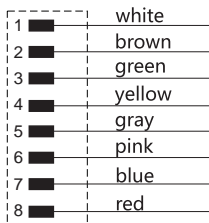


12pins

A



Circuit diagram



Order No

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

Specifications

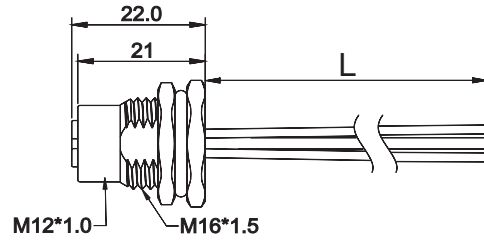
Number of contacts	8	12
Rated voltage	30V	
Rated current (40°C)	2A	1.5A
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	

Female panel connector

Product figure (front fastened)



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A

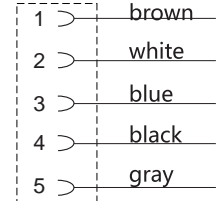
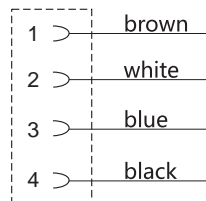
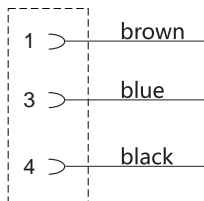


5pins

A



Circuit diagram



Order No

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

Specifications

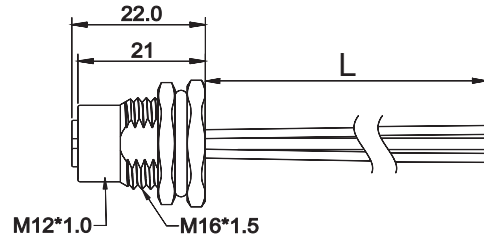
Number of contacts	3	4	5
Rated voltage	250V		60V
Rated current (40°C)	4A		
Protection degree	IP67/IP68		
Operating temperature	-25°C ~ +80°C		

Female panel connector

Product figure (front fastened)



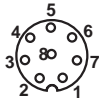
Scale diagram



Contact layout (Front view)

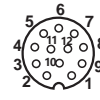
8pins

A

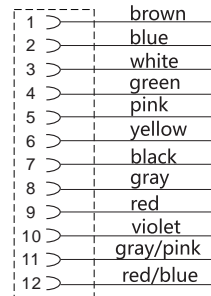
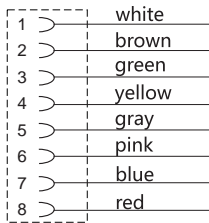


12pins

A



Circuit diagram



Order No

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

Specifications

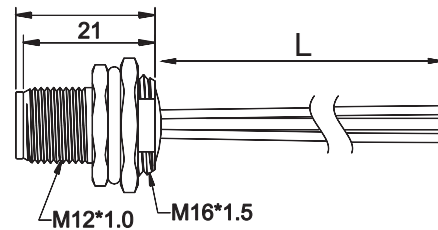
Number of contacts	8	12
Rated voltage	30V	
Rated current (40°C)	2A	1.5A
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	

Male panel connector

Product figure (rear fastened)



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A

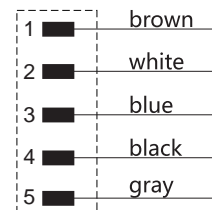
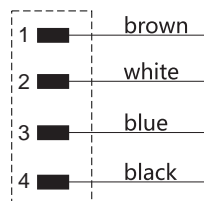
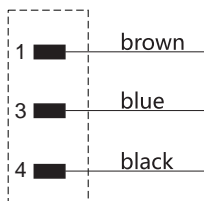


5pins

A



Circuit diagram



Order No

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

Specifications

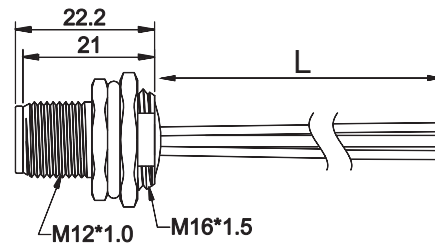
Number of contacts	3	4	5
Rated voltage	250V		60V
Rated current (40°C)	4A		
Protection degree	IP67/IP68		
Operating temperature	-25°C ~ +80°C		

Male panel connector

Product figure (rear fastened)



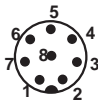
Scale diagram



Contact layout (Front view)

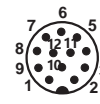
8pins

A

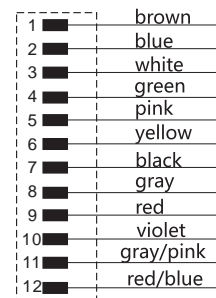


12pins

A



Circuit diagram



Order No

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

Specifications

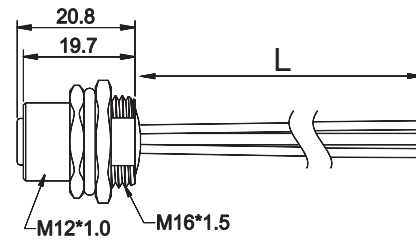
Number of contacts	8	12
Rated voltage	30V	
Rated current (40°C)	2A	1.5A
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	

Female panel connector

Product figure (rear fastened)



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A

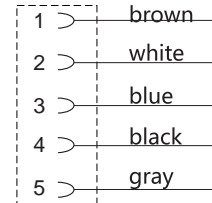
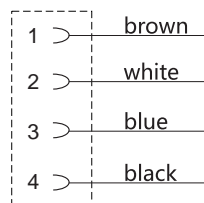
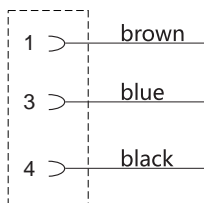


5pins

A



Circuit diagram



Order No

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

Specifications

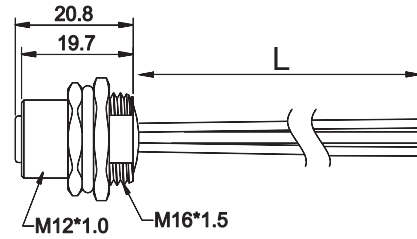
Number of contacts	3	4	5
Rated voltage	250V		60V
Rated current (40°C)	4A		
Protection degree	IP67/IP68		
Operating temperature	-25°C ~ +80°C		

Female panel connector

Product figure (rear fastened)



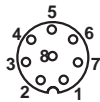
Scale diagram



Contact layout (Front view)

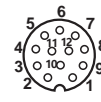
8pins

A

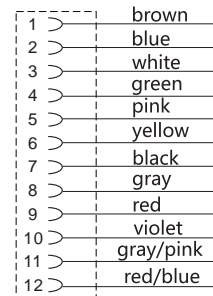
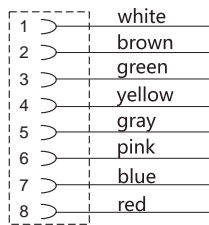


12pins

A



Circuit diagram



Order No

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

Specifications

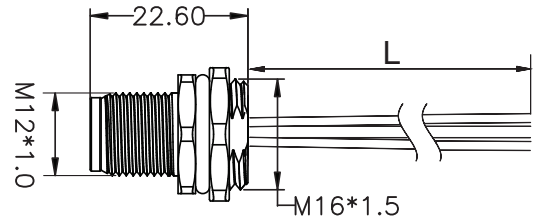
Number of contacts	8	12
Rated voltage	30V	
Rated current (40°C)	2A	1.5A
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	

Male panel connector (S-coded)

Product figure (rear fastened)



Scale diagram



Contact layout (Front view)

3pins

S

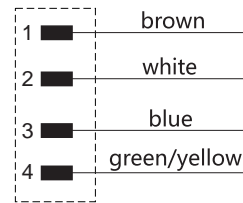


4pins

S



Circuit diagram



Order No

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

Specifications

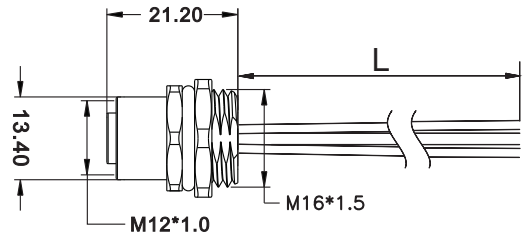
Number of contacts	3	4
Rated voltage	630V	
Rated current (40°C)	16A	12A
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	

Female panel connector (S-coded)

Product figure (rear fastened)



Scale diagram



Contact layout (Front view)

3pins

S

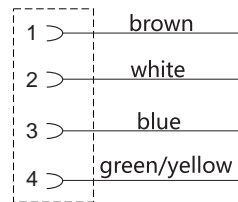
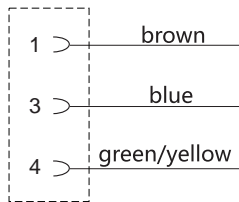


4pins

S



Circuit diagram



Order No

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

Specifications

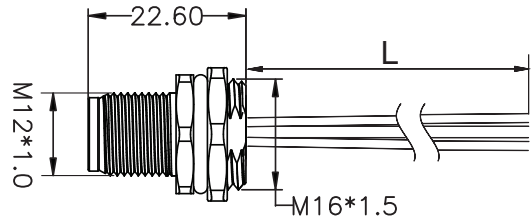
Number of contacts	3	4
Rated voltage	630V	
Rated current (40°C)	16A	12A
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	

Male panel connector (T-coded)

Product figure (rear fastened)



Scale diagram



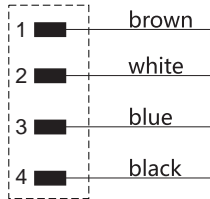
Contact layout (Front view)

4pins

T



Circuit diagram

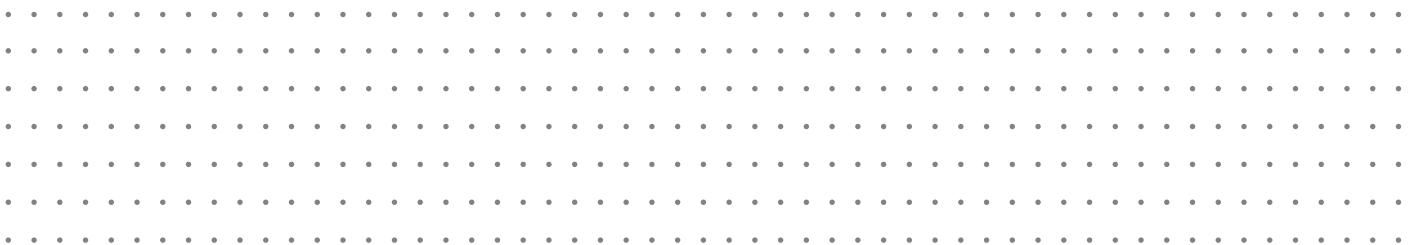


Order No

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

Specifications

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

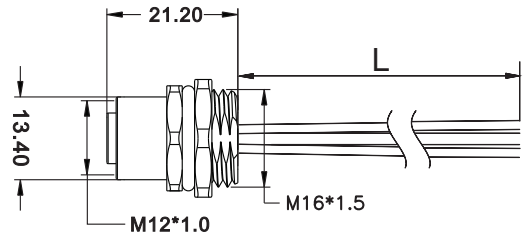


Female panel connector (T-coded)

Product figure (rear fastened)



Scale diagram



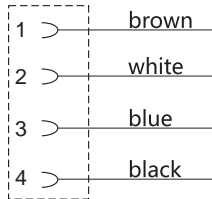
Contact layout (Front view)

4pins

T



Circuit diagram

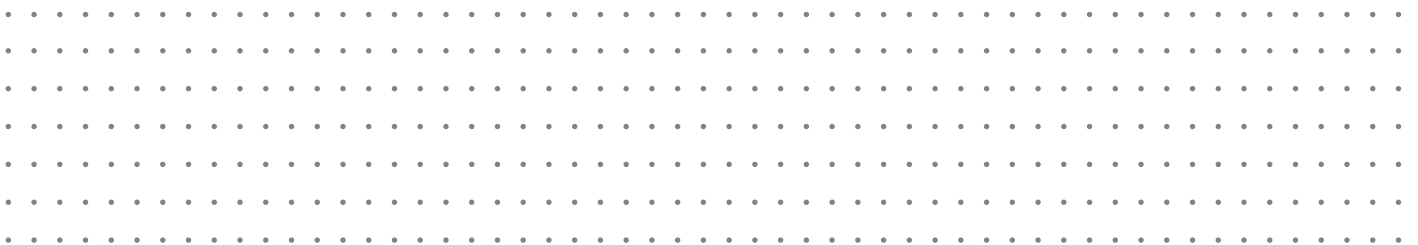


Order No

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

Specifications

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

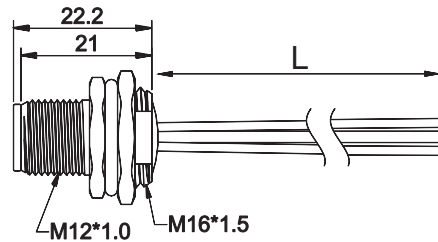


Male panel connector (A/B-coded)

Product figure (rear fastened) DeviceNet, CANopen



Scale diagram



Contact layout (Front view)

5pins

A

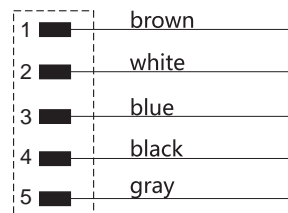
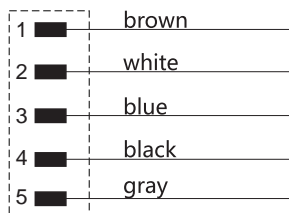


5pins

B



Circuit diagram



Order No

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

Specifications

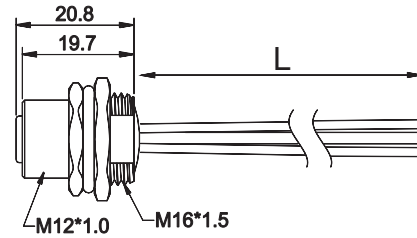
Number of contacts	5
Rated voltage	60V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C

Female panel connector (A/B-coded)

Product figure (rear fastened) DeviceNet, CANopen



Scale diagram



Contact layout (Front view)

5pins

A

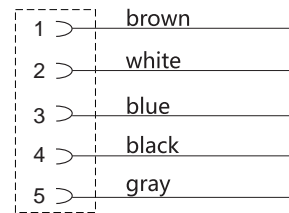
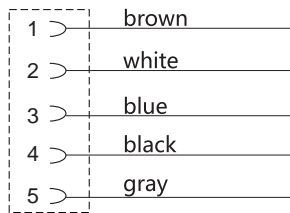


5pins

B



Circuit diagram



Order No

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

Specifications

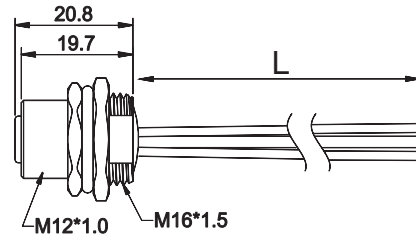
Number of contacts	5
Rated voltage	60V
Rated current (40°C)	4A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C

Female panel connector (D-coded)

Product figure (rear fastened) ETHERNET CAT5



Scale diagram



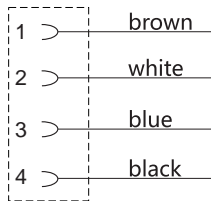
Contact layout (Front view)

4pins

D



Circuit diagram

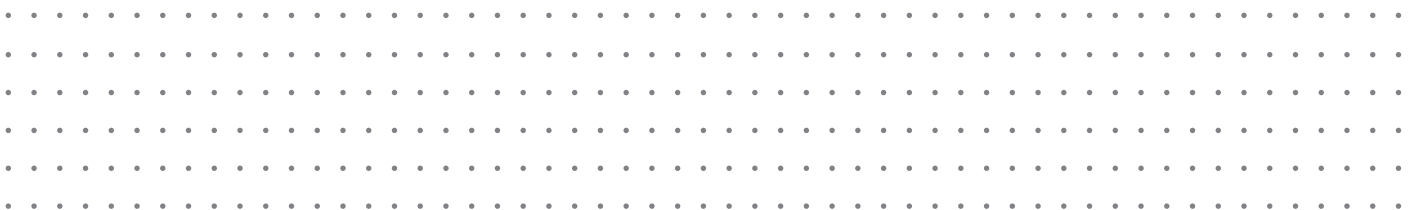


Order No

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

Specifications

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

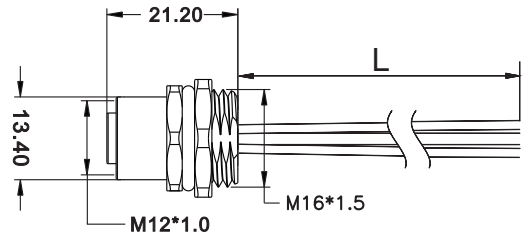


Female panel connector (X-coded)

Product figure (rear fastened) ETHERNET CAT6



Scale diagram



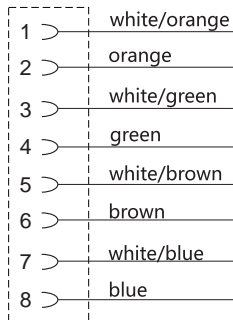
Contact layout (Front view)

8pins

X



Circuit diagram



Order No

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

Specifications

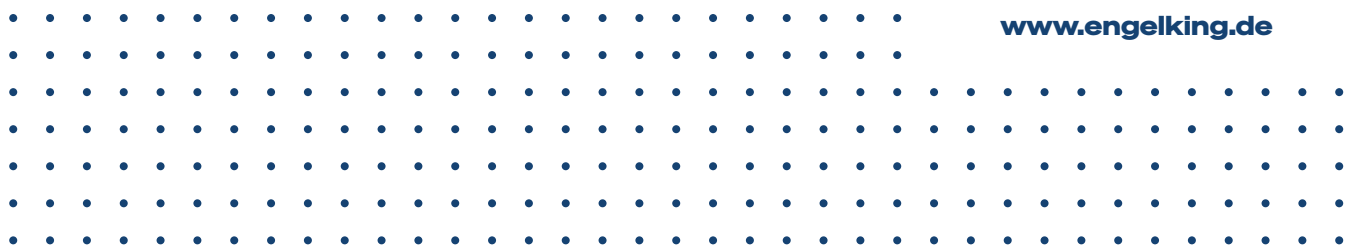
Number of contacts	8
Rated voltage	30V
Rated current (40°C)	2A
Protection degree	IP67/IP68
Operating temperature	-25°C ~ +80°C



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