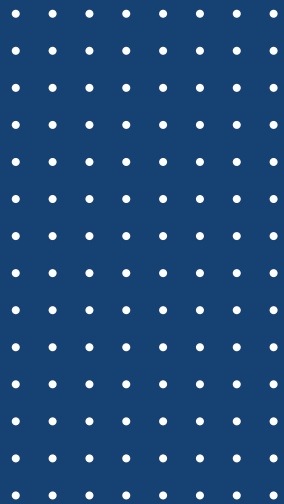
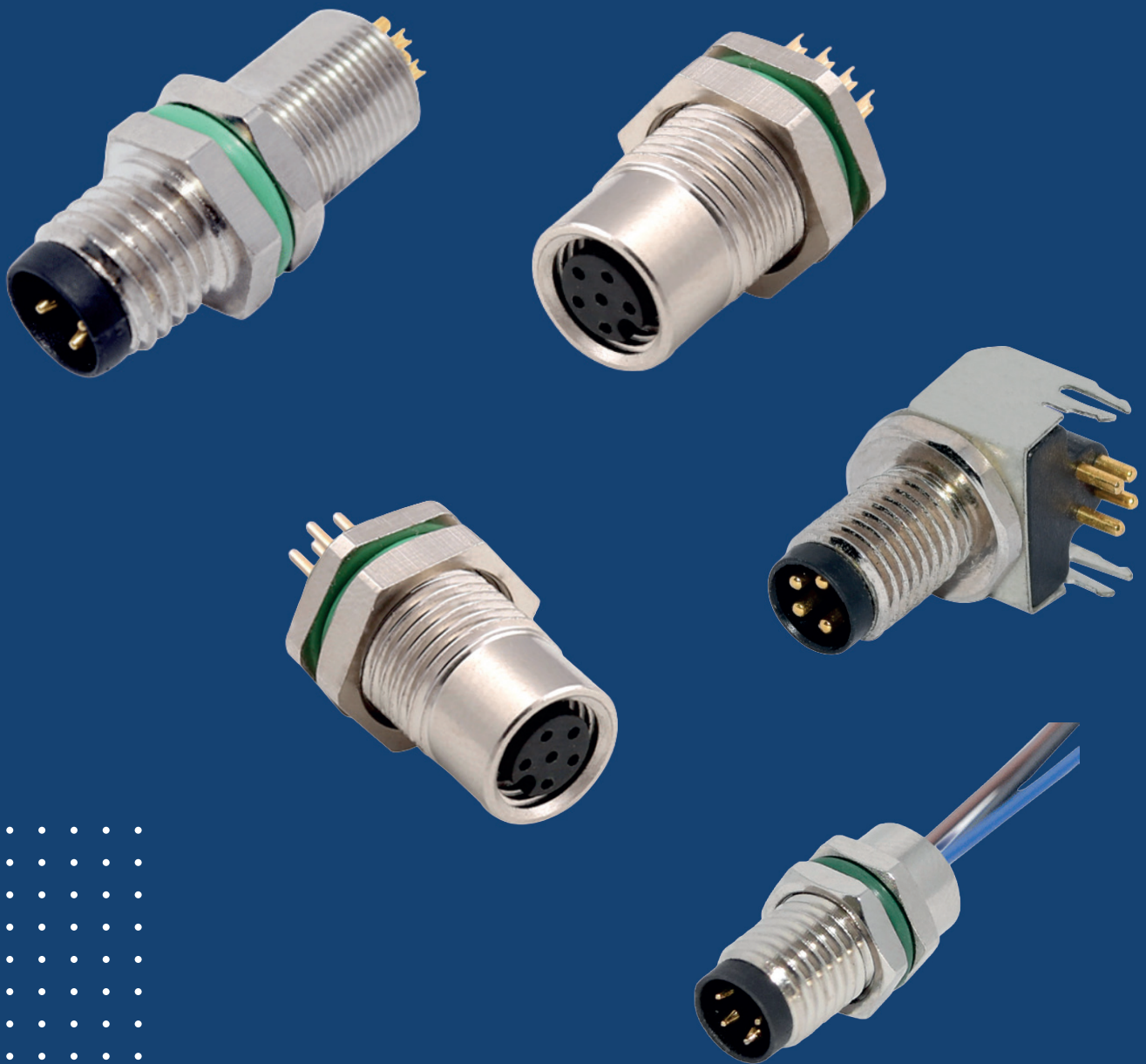


MENGELKING



M8 Series

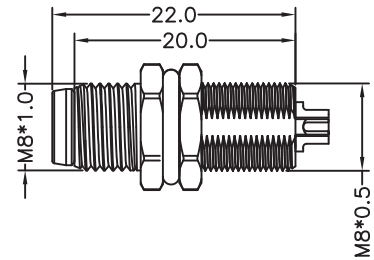
Panel Mount Connectors

Male panel connector

Product figure (rear fastened solder)



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



4pins

A



6pins

A



8pins

A



5pins

B



4pins

D



Order data

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

Specifications

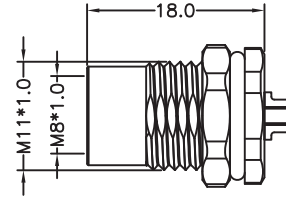
Number of contacts	3	4 A-coding	4 D-coding	5	6	8
Termination	solder					
Wire gauge	0.14/0.25/0.34 mm ² / (26/24/22 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	50V AC / 60V DC	60V		30V		
Rated current (40°C)	3A	4A	3A	1.5A		
Protection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

Female panel connector

Product figure (front fastened solder)



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



4pins

A



6pins

A



8pins

A



5pins

B



4pins

D



Order data

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

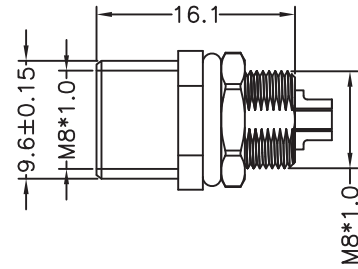
Specifications

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

Female panel connector

Product figure (M8*1.0 rear fastened solder)

Scale diagram



Contact layout (Front view)

3pins

4pins

4pins

6pins

8pins

5pins

4pins

A

A

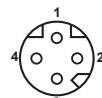
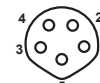
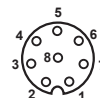
A

A

A

B

D



Order data

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

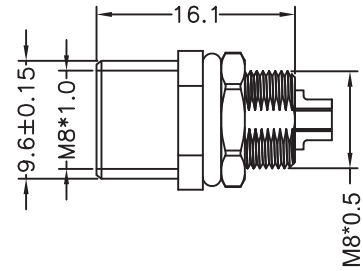
Specifications

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

Female panel connector

Product figure (M8*0.5 rear fastened solder)

Scale diagram



Contact layout (Front view)

3pins

4pins

4pins

6pins

8pins

5pins

4pins

A

A

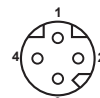
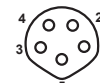
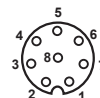
A

A

A

B

D



Order data

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

Specifications

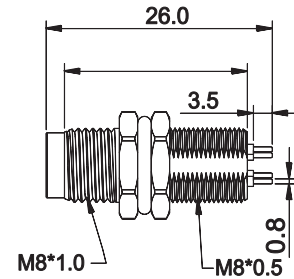
Number of contacts	3	4 A-coding	4 D-coding	5	6	8
Termination	solder					
Wire gauge	0.14/0.25/0.34 mm ² / (26/24/22 AWG)					
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	50V AC / 60V DC	60V		30V		
Rated current (40°C)	3A	4A		3A		1.5A
Protection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

Male panel connector

Product figure (rear fastened DIP)



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



4pins

A



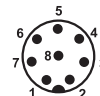
6pins

A



8pins

A



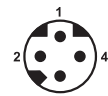
5pins

B



4pins

D



Order data

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

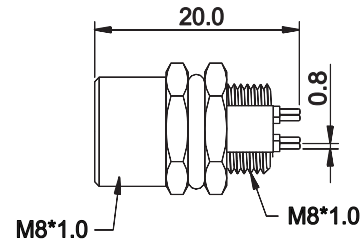
Specifications

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

Female panel connector

Product figure (M8*1.0 rear fastened DIP)

Scale diagram



Contact layout (Front view)

3pins

4pins

4pins

6pins

8pins

5pins

4pins

A

A

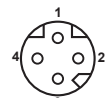
A

A

A

B

D



Order data

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

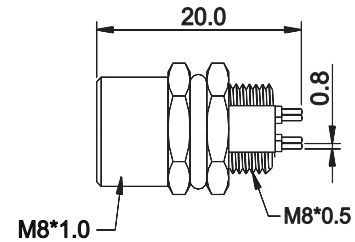
Specifications

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

Female panel connector

Product figure (M8*0.5 rear fastened DIP)

Scale diagram



Contact layout (Front view)

3pins

4pins

4pins

6pins

8pins

5pins

4pins

A

A

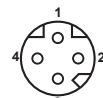
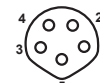
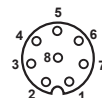
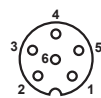
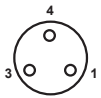
A

A

A

B

D



Order data

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

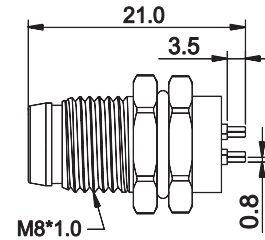
Specifications

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

Male panel connector

Product figure (front fastened DIP)

Scale diagram



Contact layout (Front view)

3pins

4pins

4pins

6pins

8pins

5pins

4pins

A

A

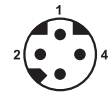
A

A

A

B

D



Order data

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

Specifications

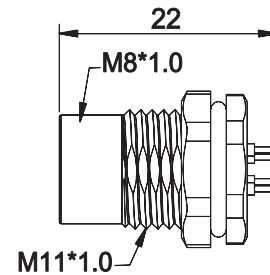
Number of contacts	3	4 A-coding	4 D-coding	5	6	8
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C ~ +85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	50V AC / 60V DC	60V		30V		
Rated current (40°C)	3A	4A	3A	1.5A		
Protection degree	IP67/IP68					
Contact resistance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

Female panel connector

Product figure (front fastened DIP)



Scale diagram



Contact layout (Front view)

3pins

A



4pins

A



4pins

A



6pins

A



8pins

A



5pins

B



4pins

D



Order data

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

Specifications

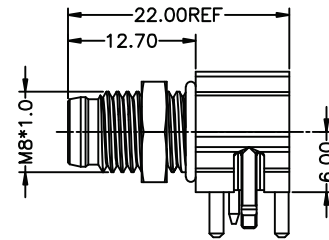
Number of contacts	3	4 A-coding	4 D-coding	5	6	8
Termination	PCB					
Wire gauge	—					
Operating temperature	-25°C ~ +85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	50V AC / 60V DC		60V	30V		
Rated current (40°C)	3A		4A	3A	1.5A	
Protection degree	IP67/IP68					
Contact resistance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

Male panel connector (90°)

Product figure



Scale diagram



Contact layout (Front view)

3pins

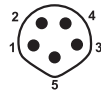
4pins

5pins

A

A

B



Order data

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

Specifications

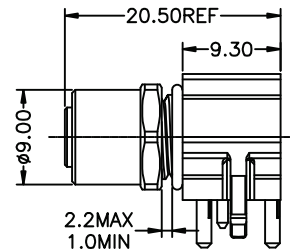
Number of contacts	3	4	5
Termination	PCB		
Wire gauge	—		
Operating temperature	-25°C ~ +85°C		
Mechanical operation	> 100 mating cycles		
Rated voltage	50V AC / 60V DC		30V
Rated current (40°C)	3A		
Protection degree	IP67/IP68		
Contact resistance	< 10mΩ		
Insulation resistance	≥ 100MΩ		
Pin contact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

Female panel connector (90°)

Product figure



Scale diagram



Contact layout (Front view)

3pins

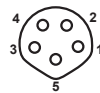
4pins

5pins

A

A

B



Order data

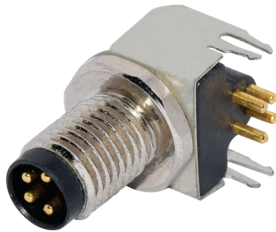
Contacts	Coding	Order No
3pins	A	M08A03/FH7/BN/90
4pins	A	M08A04/FH7/BN/90
5pins	A	M08A05/FH7/BN/90

Specifications

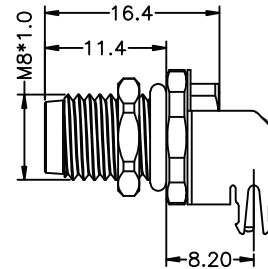
Number of contacts	3	4	5
Termination	PCB		
Wire gauge	—		
Operating temperature	-25°C ~ +85°C		
Mechanical operation	> 100 mating cycles		
Rated voltage	50V AC / 60V DC		30V
Rated current (40°C)	3A		
Protection degree	IP67/IP68		
Contact resistance	< 10mΩ		
Insulation resistance	≥ 100MΩ		
Pin contact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

Male panel connector (90°)

Product figure



Scale diagram



Contact layout (Front view)

3pins

A



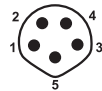
4pins

A



5pins

B



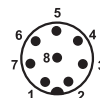
6pins

A



8pins

A



Order data

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

Specifications

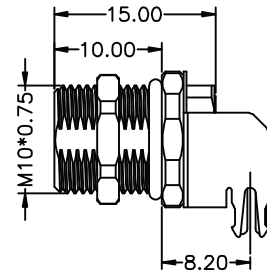
Number of contacts	3	4	5	6	8
Termination	PCB				
Wire gauge	—				
Operating temperature	-25°C ~ +80°C				
Mechanical operation	> 100 mating cycles				
Rated voltage	50V AC / 60V DC			30V	
Rated current (40°C)	3A			1.5A	
Protection degree	IP67/IP68				
Contact resistance	< 10mΩ				
Insulation resistance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

Female panel connector (90°)

Product figure



Scale diagram



Contact layout (Front view)

3pins

A



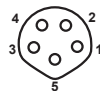
4pins

A



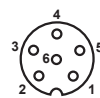
5pins

B



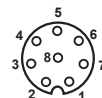
6pins

A



8pins

A



Order data

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

Specifications

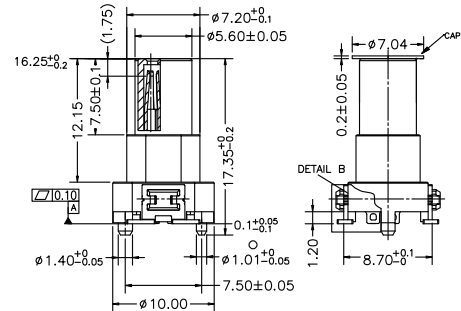
Number of contacts	3	4	5	6	8
Termination	PCB				
Wire gauge	—				
Operating temperature	-25°C ~ +80°C				
Mechanical operation	> 100 mating cycles				
Rated voltage	50V AC / 60V DC			30V	
Rated current (40°C)	3A			1.5A	
Protection degree	IP67/IP68				
Contact resistance	< 10mΩ				
Insulation resistance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

SMT connector

Product figure



Scale diagram



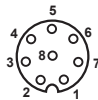
Contact layout (Front view)

4pins

8pins

A

A



Order data

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

Specifications

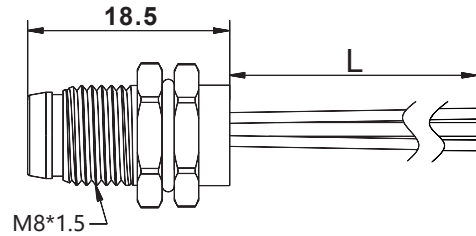
Number of contacts	4	8
Termination	SMT	
Wire gauge	—	
Operating temperature	-25°C ~ +85°C	
Mechanical operation	> 100 mating cycles	
Rated voltage	50V AC / 60V DC	30V
Rated current (40°C)	3A	1.5A
Protection degree	IP67	
Contact resistance	< 10mΩ	
Insulation resistance	≥ 100MΩ	
Pin contact	CuZn	
Socket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

Male panel connector

Product figure(front fastened)



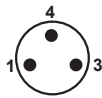
Scale diagram



Contact layout (Front view)

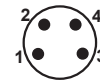
3pins

A

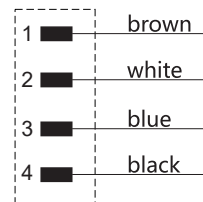
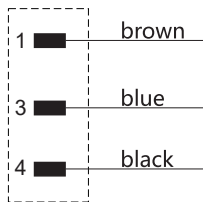


4pins

A



Circuit diagram



Order No

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

Specification

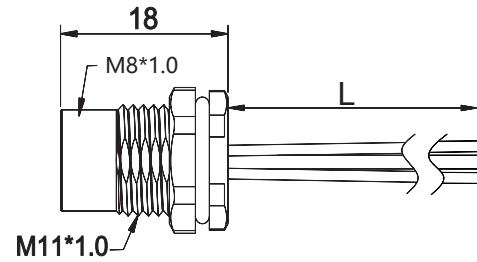
Number of contacts	3	4
Rated voltage	50V AC / 60V DC	
Rated current (40°C)	3A	
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	

Female panel connector

Product figure(front fastened)



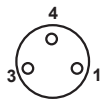
Scale diagram



Contact layout (Front view)

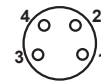
3pins

A

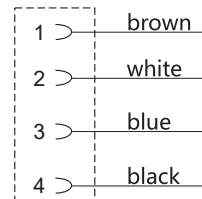
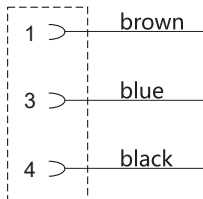


4pins

A



Circuit diagram



Order No

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

Specificatio

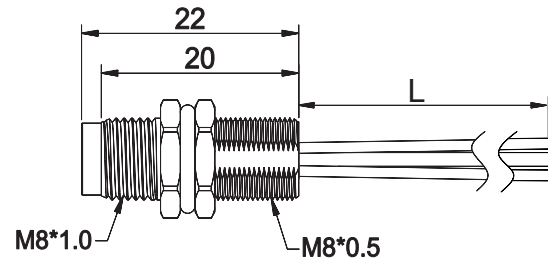
Number of contacts	3	4
Rated voltage	50V AC / 60V DC	
Rated current (40°C)	3A	
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	

Male panel connector

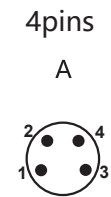
Product figure(rear fastened)



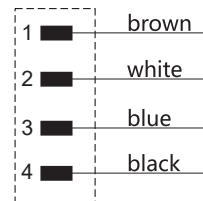
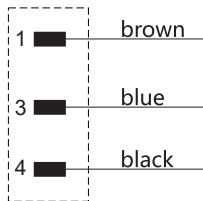
Scale diagram



Contact layout (Front view)



Circuit diagram



Order No

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

Specification

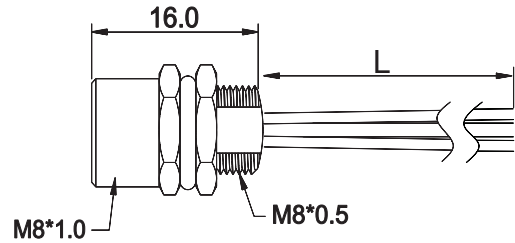
Number of contacts	3	4
Rated voltage	50V AC / 60V DC	
Rated current (40°C)	3A	
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	

Female panel connector

Product figure(rear fastened)



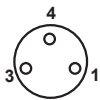
Scale diagram



Contact layout (Front view)

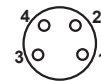
3pins

A

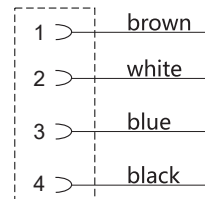
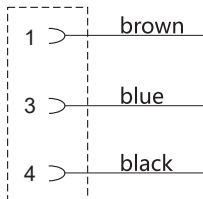


4pins

A



Circuit diagram



Order No

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

Specification

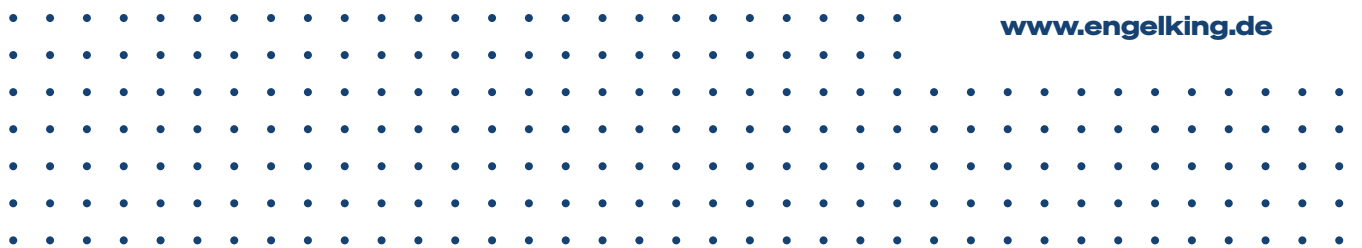
Number of contacts	3	4
Rated voltage	50V AC / 60V DC	
Rated current (40°C)	3A	
Protection degree	IP67/IP68	
Operating temperature	-25°C ~ +80°C	



Engelking Elektronik GmbH

Albstraße 16
D-78609 Tuningen

Tel.: +49 (0)7464 9865 0
Fax: +49 (0)7464 9865 71
E-Mail: info@engelking.de



www.engelking.de