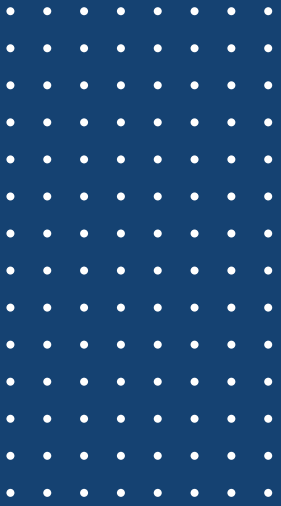


MENGELKING



M5 Series

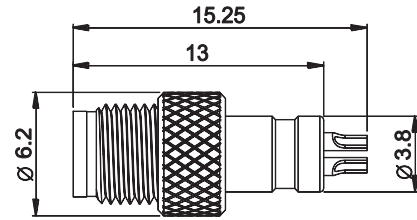
Connectors

Male connector for over-molding

Product figure



Scale diagram



Contact layout (Front view)

3pins



4pins

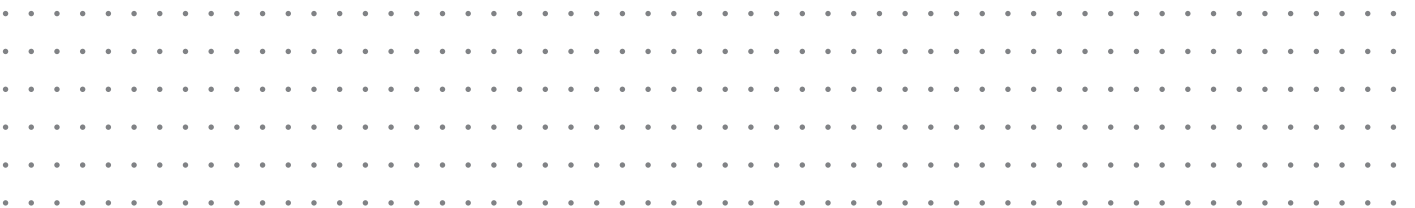


Order data

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

Specifications

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

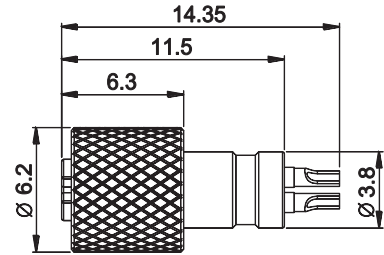


Female connector for over-molding

Product figure



Scale diagram



Contact layout (Front view)

3pins



4pins

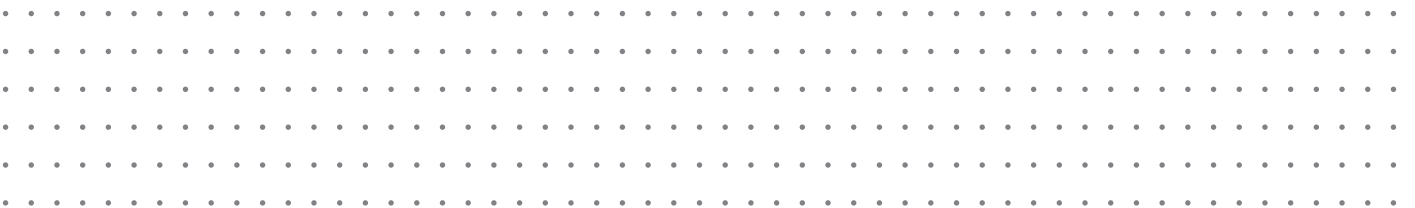


Order data

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

Specifications

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

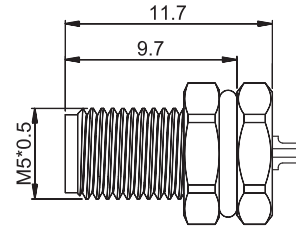


Male panel connector

Product figure (front fastened)



Scale diagram



Contact layout (Front view)

3pins



4pins

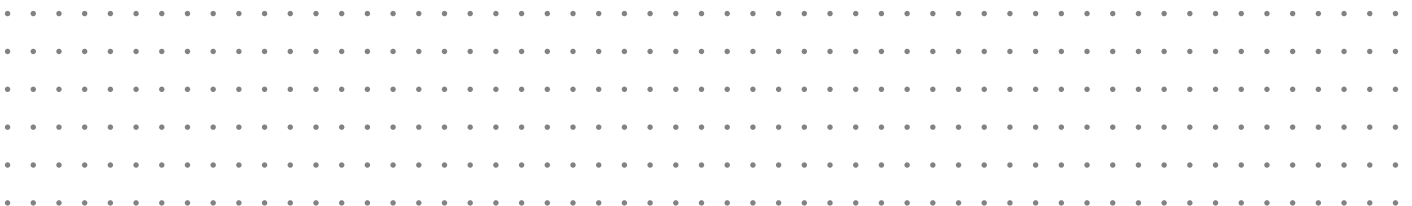


Order data

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

Specifications

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

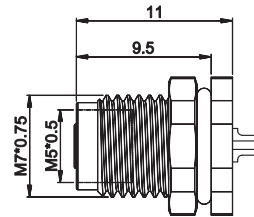


Female panel connectors

Product figure (front fastened)



Scale diagram



Contact layout (Front view)

3pins



4pins

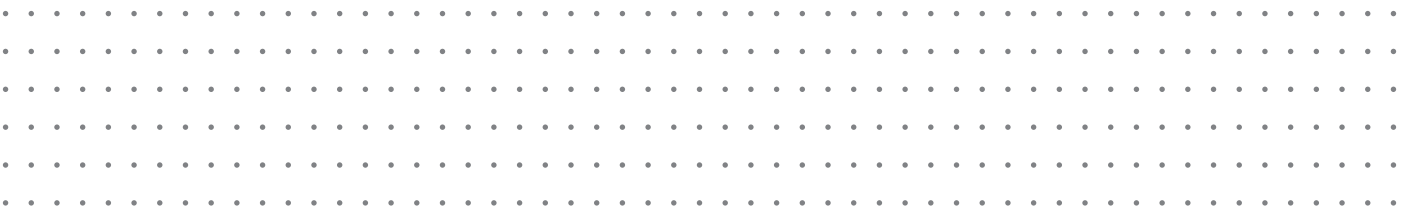


Order data

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

Specifications

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

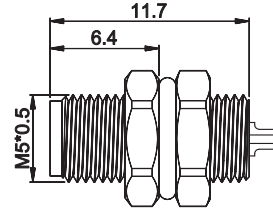


Male panel connector

Product figure (rear fastened)



Scale diagram



Contact layout (Front view)

3pins



4pins

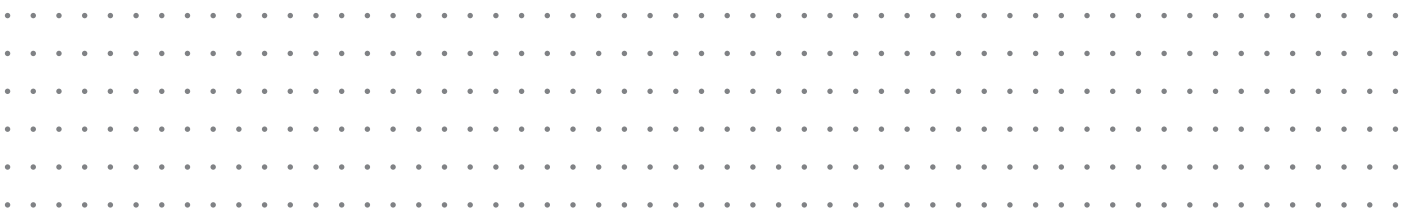


Order data

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

Specifications

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

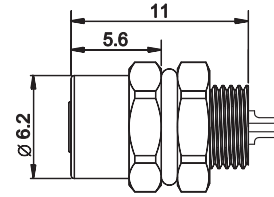


Female panel connector

Product figure (rear fastened)



Scale diagram



Contact layout (Front view)

3pins



4pins

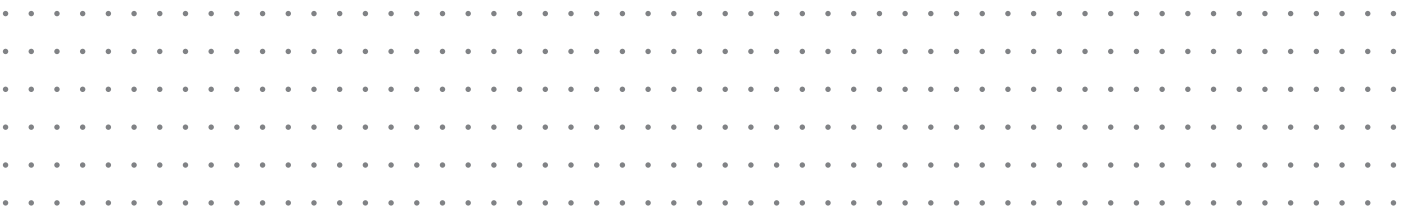


Order data

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

Specifications

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

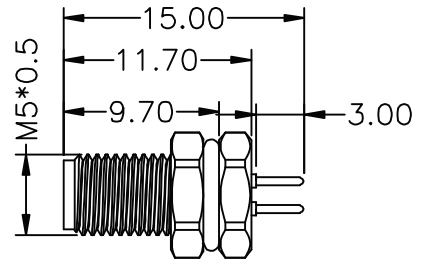


Male panel connector

Product figure (front fastened DIP)



Scale diagram



Contact layout (Front view)

3pins



4pins

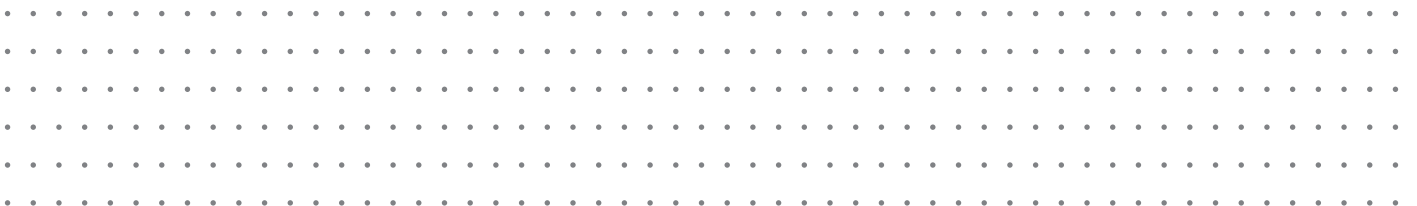


Order data

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

Specifications

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

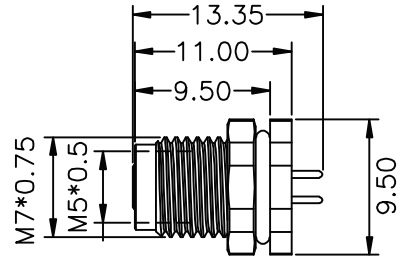


Female panel connectors

Product figure (front fastened DIP)



Scale diagram



Contact layout (Front view)

3pins



4pins

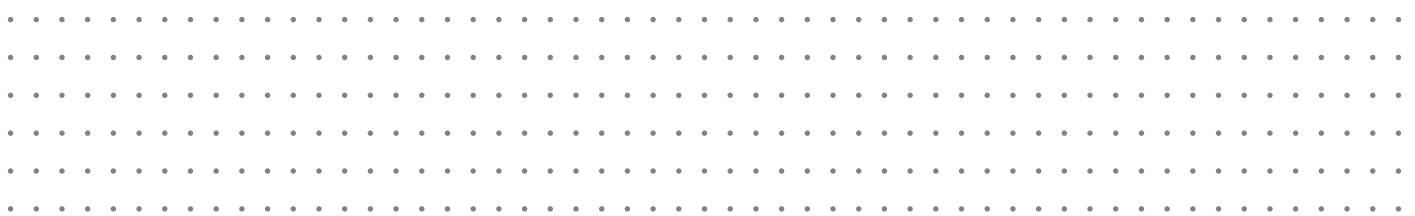


Order data

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

Specifications

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

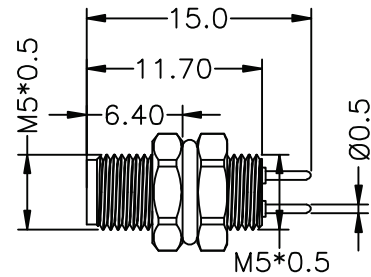


Male panel connector

Product figure (rear fastened DIP)



Scale diagram



Contact layout (Front view)

3pins



4pins



Order data

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

Specifications

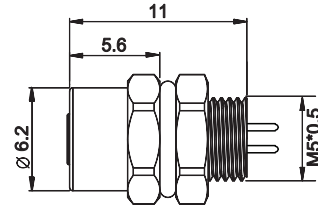
Number of contacts	3	4
Termination	PCB	
Wire gauge	—	
Operating temperature	-25°C~+85°C	
Mechanical operation	> 100 mating cycles	
Rated voltage	60V	
Rated current (40°C)	1A	
Protection degree	IP67/IP68	
Contact resistance	< 3mΩ	
Insulation resistance	≥100MΩ	
Pin contact	CuZn	
Socket contact	CuSn	
Contact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

Female panel connector

Product figure (rear fastened)



Scale diagram



Contact layout (Front view)

3pins



4pins



Order data

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

Specifications

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

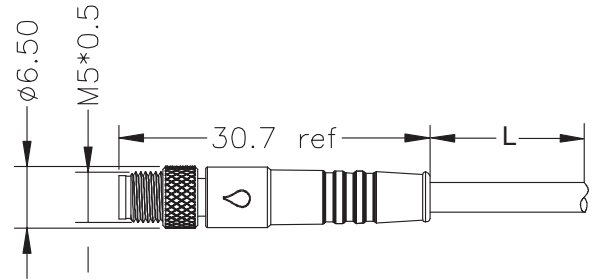


Male cable

Product figure



Scale diagram



Contact layout (Front view)

3pins



4pins

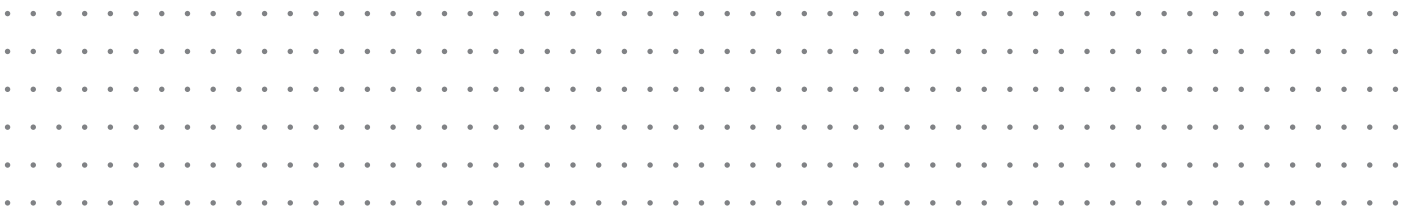


Order data

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

Specifications

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

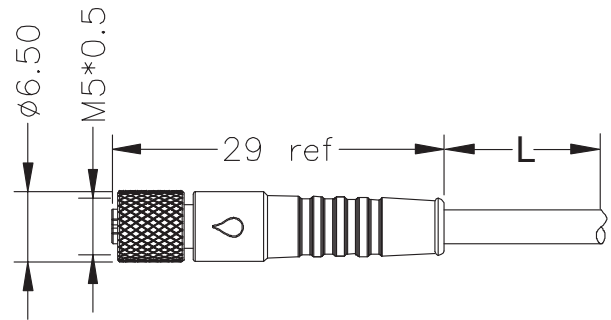


Female cable

Product figure



Scale diagram



Contact layout (Front view)

3pins



4pins



Order data

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

Specifications

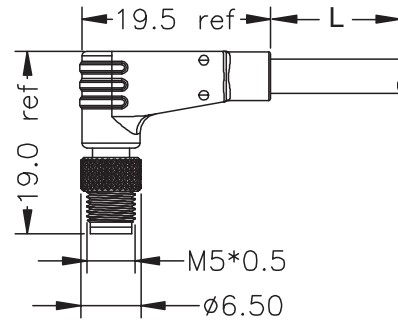
Number of contacts	3	4
Termination	moulded on cable	
Wire gauge	max 0.14 mm ² / max 26 AWG	
Operating temperature	-25°C~+80°C	
Mechanical operation	> 100 mating cycles	
Rated voltage	60V	
Rated current (40°C)	1A	
Protection degree	IP67/IP68	
Contact resistance	< 3mΩ	
Insulation resistance	≥100MΩ	
Pin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

Male cable(90°)

Product figure



Scale diagram



Contact layout (Front view)

3pins



4pins

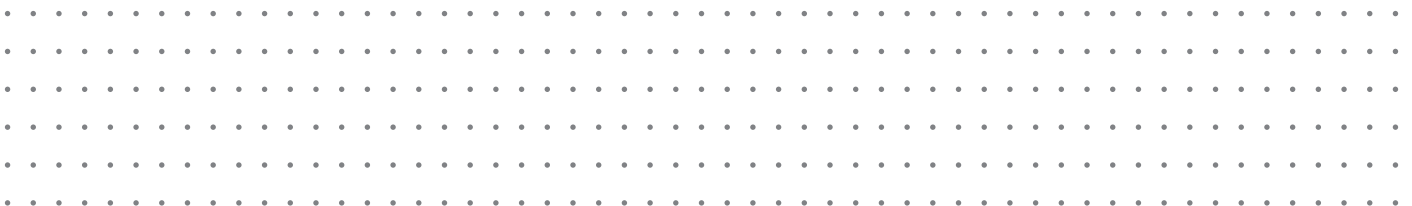


Order data

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

Specifications

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

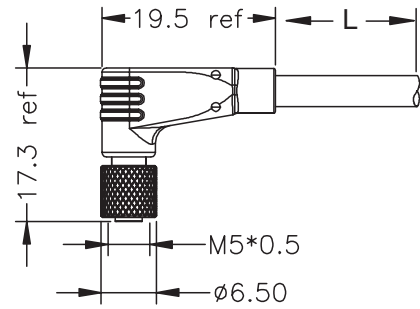


Female cable(90°)

Product figure



Scale diagram



Contact layout (Front view)

3pins



4pins

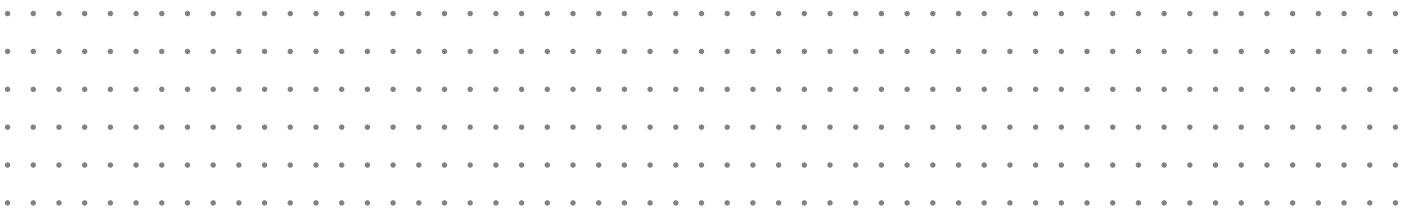


Order data

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

Specifications

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

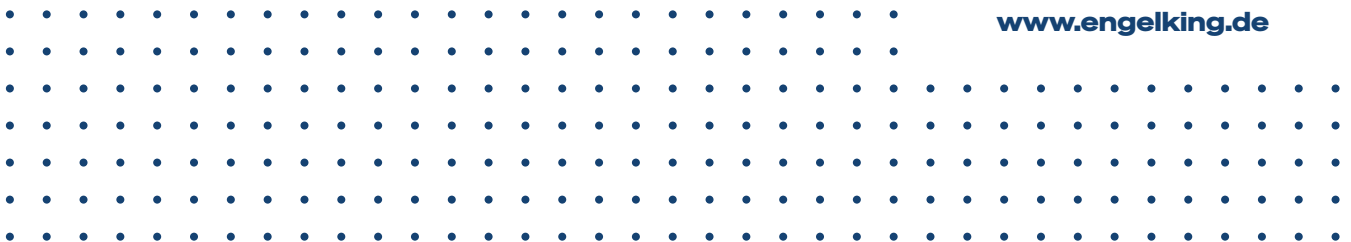




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