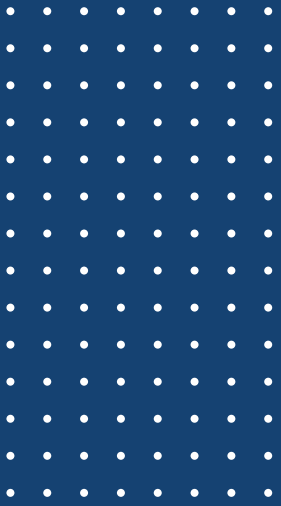


MENGELKING



M9 Series
Connectors

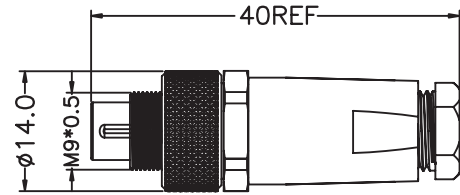


Male assembly connector

Product figure



Scale diagram



Contact layout (Front view)

2pins



3pins



4pins



5pins



7pins



8pins



Order data

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

Specification

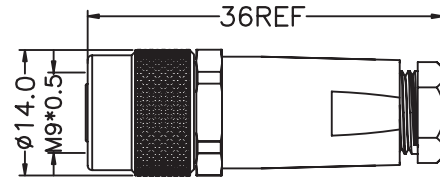
Number of contacts	2	3	4	5	7	8
Termination	solder					
Wire gauge	0.25mm ² / 24 AWG				0.14mm ² / 26 AWG	
Cable OD	3~4.5mm					
Operating temperature	-25°C~ +85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	125V					
Rated current (40°C)	4A		3A		1A	
Protection degree	IP67/IP68		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

Female assembly connector

Product figure



Scale diagram



Contact layout (Front view)

2pins



3pins



4pins



5pins



7pins



8pins



Order data

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

Specification

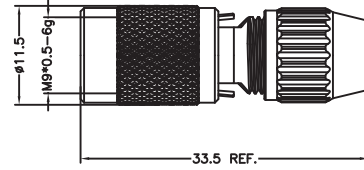
Number of contacts	2	3	4	5	7	8
Termination	solder					
Wire gauge	0.25mm ² / 24 AWG				0.14mm ² / 26 AWG	
Cable OD	3~4.5mm					
Operating temperature	-25°C~ +85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	125V					
Rated current (40°C)	4A		3A		1A	
Protection degree	IP67/IP68		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

Male assembly connector

Product figure



Scale diagram



Contact layout (Front view)

2pins



3pins



4pins



5pins



7pins



8pins



Order data

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

Specification

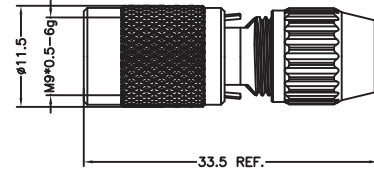
Number of contacts	2	3	4	5	7	8
Termination	solder					
Wire gauge	0.25mm ² / 24 AWG				0.14mm ² / 26 AWG	
Cable OD	3~5mm					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	125V					
Rated current (40°C)	4A		3A		1A	
Protection degree	IP67/IP68					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

Female assembly connector

Product figure



Scale diagram



Contact layout (Front view)

2pins



3pins



4pins



5pins



7pins



8pins



Order data

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

Specification

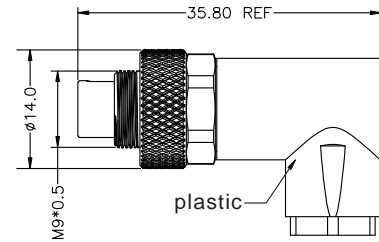
Number of contacts	2	3	4	5	7	8
Termination	solder					
Wire gauge	0.25mm ² / 24 AWG				0.14mm ² / 26 AWG	
Cable OD	3~5mm					
Operating temperature	-25°C~+85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	125V					
Rated current (40°C)	4A		3A		1A	
Protection degree	IP67/IP68					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

Male assembly connector

Product figure



Scale diagram



Contact layout (Front view)

2pins



3pins



4pins



5pins



7pins



8pins



Order data

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

Specification

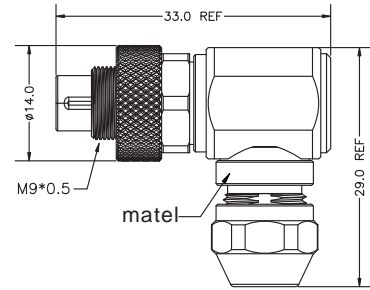
Number of contacts	2	3	4	5	7	8
Termination	solder					
Wire gauge	0.25mm ² / 24 AWG				0.14mm ² / 26 AWG	
Cable OD	3~4.5mm					
Operating temperature	-25°C~ +85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	125V					
Rated current (40°C)	4A		3A		1A	
Protection degree	IP67/IP68		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

Male assembly connector

Product figure



Scale diagram



Contact layout (Front view)

2pins



3pins



4pins



5pins



7pins



8pins



Order data

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

Specification

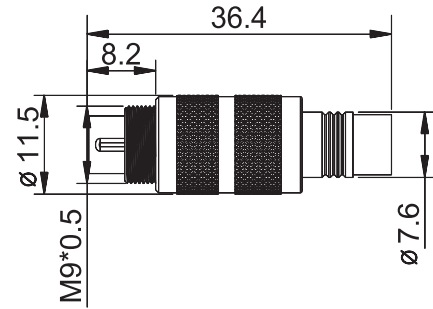
Number of contacts	2	3	4	5	7	8
Termination	solder					
Wire gauge	0.25mm ² / 24 AWG				0.14mm ² / 26 AWG	
Cable OD	3~4.5mm					
Operating temperature	-25°C~ +85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	125V					
Rated current (40°C)	4A		3A		1A	
Protection degree	IP67/IP68		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

Male connector for molding

Product figure



Scale diagram



Contact layout (Front view)

2pins



3pins



4pins



5pins



7pins



8pins



Order data

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

Specification

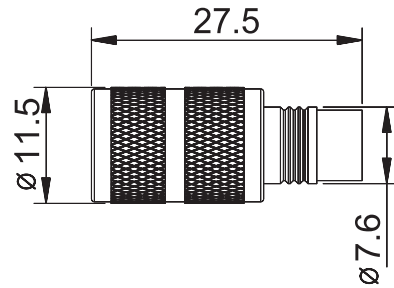
Number of contacts	2	3	4	5	7	8
Termination	solder					
Wire gauge	0.25mm ² / 24 AWG				0.14mm ² / 26 AWG	
Operating temperature	-25°C ~ +85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	125V					
Rated current (40°C)	4A		3A		1A	
Protection degree	IP67/IP68					
Contact resistance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

Female connector for molding

Product figure



Scale diagram



Contact layout (Front view)

2pins



3pins



4pins



5pins



7pins



8pins



Order data

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

Specification

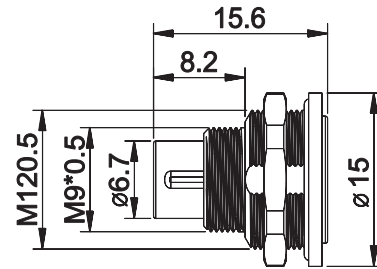
Number of contacts	2	3	4	5	7	8
Termination	solder					
Wire gauge	0.25mm ² / 24 AWG				0.14mm ² / 26 AWG	
Operating temperature	-25°C ~ +85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	125V					
Rated current (40°C)	4A		3A		1A	
Protection degree	IP67/IP68					
Contact resistance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

Male panel connector

Product figure (front fastened)



Scale diagram



Contact layout (Front view)

2pins



3pins



4pins



5pins



7pins



8pins



Order data

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

Specification

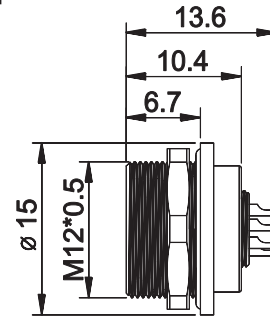
Number of contacts	2	3	4	5	7	8
Termination	solder					
Wire gauge	0.25mm ² / 24 AWG				0.14mm ² / 26 AWG	
Operating temperature	-25°C ~ +85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	125V					
Rated current (40°C)	4A		3A		1A	
Protection degree	IP67/IP68					
Contact resistance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

Female panel connector

Product figure (front fastened)



Scale diagram



Contact layout (Front view)

2pins



3pins



4pins



5pins



7pins



8pins



Order data

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

Specification

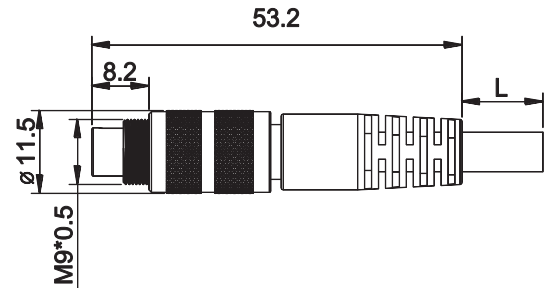
Number of contacts	2	3	4	5	7	8
Termination	solder					
Wire gauge	0.25mm ² / 24 AWG				0.14mm ² / 26 AWG	
Operating temperature	-25°C ~ +85°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	125V					
Rated current (40°C)	4A		3A		1A	
Protection degree	IP67/IP68					
Contact resistance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

Male cable moulded

Product figure



Scale diagram



Contact layout (Front view)

2pins



3pins



4pins



5pins



7pins



8pins



Order data

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

Specification

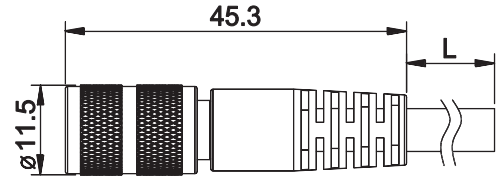
Number of contacts	2	3	4	5	7	8
Termination	moulded on cable					
Wire gauge	0.25mm ² / 24 AWG				0.14mm ² / 26 AWG	
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	125V					
Rated current (40°C)	4A		3A		1A	
Protection degree	IP67/IP68					
Contact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

Female cable moulded

Product figure



Scale diagram



Contact layout (Front view)

2pins



3pins



4pins



5pins



7pins



8pins



Order data

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

Specification

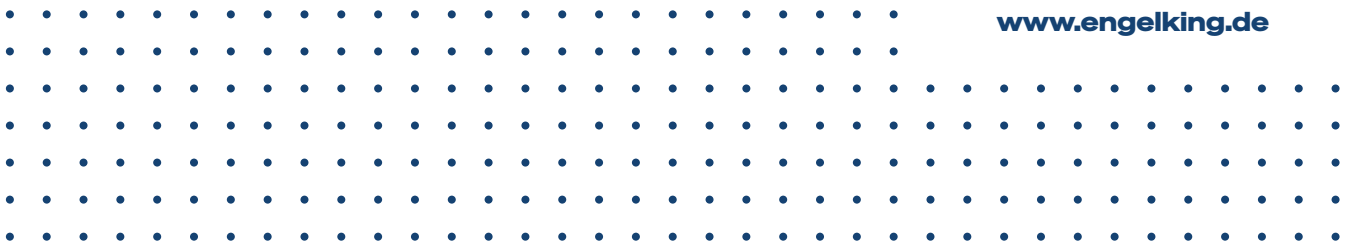
Number of contacts	2	3	4	5	7	8
Termination	moulded on cable					
Wire gauge	0.25mm ² / 24 AWG				0.14mm ² / 26 AWG	
Operating temperature	-25°C ~ +80°C					
Mechanical operation	> 100 mating cycles					
Rated voltage	125V					
Rated current (40°C)	4A		3A		1A	
Protection degree	IP67/IP68					
Contact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



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