M12-A Circular Connector

60/125/250V 2/4A

Technical characteristics

	4-pole	5-pole	8-pole	12-pole
Rated current (40°C)	4A	4A	2A	1.5A
Rated voltage	250V	125V	60V	60V
Rated impulse voltage	2500V	1500V	800V	800V
Pollution degree	3	3	3	3
Overvoltage categorie	II	II	II	II
Contact resistance	⩽ 10 mΩ	⩽ 10 mΩ	⩽ 10 mΩ	⩽ 10 mΩ
Connector locking system	screw	screw	screw	screw
Termination	solder,single-strand wires	solder,single-strand wires	solder,single-strand wires	solder,single-strand wires
Wire gauge	max.0.75mm²(max.AWG18)	max.0.75mm²(max.AWG18)	max.0.34mm²(max.AWG22)	max.0.14mm²(max.AWG26)
Cable outlet	-	-	-	-
Degree of protection	IP67	IP67	IP67	IP67
Mechanical operation	＞ 100	＞ 100	＞ 100	＞ 100
Limiting temperature	-40°C ...+85°C	-40°C ...+85°C	-40°C ...+85°C	-40°C ...+85°C
Material group	II	II	II	II
Material of contact	copper alloy	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Au	Au
Insulating material	PA	PA	PA	PA
Material of housing	zinc diecasting nickel plated	zinc diecasting nickel plated	zinc diecasting nickel plated	zinc diecasting nickel plated

Socket

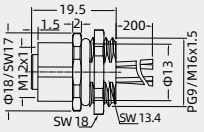
Female panel mount connector

with single wires, /0.25mm²/length 0.2m

A-Code

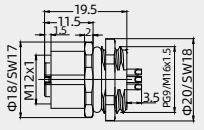
Contacts	screw	Designation	Order No.
4	PG9	M12-F04A-BK-PG9-W0.25	163 004 302 4001
	M16x1.5	M12-F04A-BK-M16-W0.25	163 004 302 4021
5	PG9	M12-F05A-BK-PG9-W0.25	163 005 302 4001
	M16x1.5	M12-F05A-BK-M16-W0.25	163 005 302 4021
8	PG9	M12-F08A-BK-PG9-W0.25	163 008 302 4001
	M16x1.5	M12-F08A-BK-M16-W0.25	163 008 302 4021
12	PG9	M12-F12A-BK-PG9-W0.14	163 012 302 4001
	M16x1.5	M12-F12A-BK-M16-W0.14	163 012 302 4002

Customized cable length upon request



Female panel mount connector, solder

PG9/M16x1.5

A-Code

Contacts	screw	Designation	Order No.
4	PG9	M12-F04A-BK-PG9-C	163 004 323 1001
	M16x1.5	M12-F04A-BK-M16-C	163 004 323 1021
5	PG9	M12-F05A-BK-PG9-C	163 005 323 1001
	M16x1.5	M12-F05A-BK-M16-C	163 005 323 1021
8	PG9	M12-F08A-BK-PG9-C	163 008 324 1002
	M16x1.5	M12-F08A-BK-M16-C	163 008 302 1011
12	PG9	M12-F12A-BK-PG9-C	163 012 323 1500
	M16x1.5	M12-F12A-BK-M16-C	163 012 323 1501