

M12-A Circular Connector

125/250V 4A

Technical characteristics

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

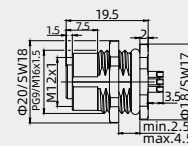
Socket

Female panel mount connector,
solder, front fastened

A-Code



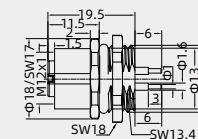
Contacts	screw	Designation	Order No.
4	PG9	M12-F04A-BKR-PG9-C	163 004 323 1011
	M16x1.5	M12-F04A-BKR-M16-C	163 004 624 1003
5	PG9	M12-F05A-BKR-PG9-C	163 005 323 1011
	M16x1.5	M12-F05A-BKR-M16-C	163 005 624 1001
8	PG9	M12-F08A-BKR-PG9-C	163 008 323 1011
	M16x1.5	M12-F08A-BKR-M16-C	163 008 323 1012
12	PG9	M12-F12A-BKR-PG9-C	163 012 323 1502
	M16x1.5	M12-F12A-BKR-M16-C	163 012 323 1503

Female panel mount connector,
dip solder

A-Code



Contacts	screw	Designation	Order No.
4	PG9	M12-F04A-BK-PG9-D	163 004 324 1001
	M16x1.5	M12-F04A-BK-M16-D	163 004 324 1002
5	PG9	M12-F05A-BK-PG9-D	163 005 324 1001
	M16x1.5	M12-F05A-BK-M16-D	163 005 324 1002
8	PG9	M12-F08A-BK-PG9-D	163 008 324 1003
	M16x1.5	M12-F08A-BK-M16-D	163 008 324 1001

Female panel mount connector,
dip solder, front fastened

A-Code



Contacts	screw	Designation	Order No.
4	PG9	M12-F04A-BKR-PG9-D	163 004 324 1011
	M16x1.5	M12-F04A-BKR-M16-D	163 004 624 1004
5	PG9	M12-F05A-BKR-PG9-D	163 005 324 1011
	M16x1.5	M12-F05A-BKR-M16-D	163 005 624 1002
8	PG9	M12-F08A-BKR-PG9-D	163 008 324 1011
	M16x1.5	M12-F08A-BKR-M16-D	163 008 624 1001

