

M12-B Circular Connector

125/250V 4A

Technical characteristics

	4-pole	5-pole
Rated current(40°C)	4A	4A
Rated voltage	250V	125V
Rated impulse voltage	2500V	1500V
Pollution degree	3	3
Overvoltage categorie	II	II
Contact resistance	≤ 10 mΩ	≤ 10 mΩ
Connector locking system	screw M12x1	screw M12x1
Termination	single-strand wires	single-strand wires
Wire gauge	max.0.75mm ² (AWG18)	max.0.75mm ² (AWG18)
Cable outlet	-	-
Degree of protection	IP67	IP67
Mechanical operation	> 100	> 100
Limiting temperature	-40°C ...+85°C	-40°C ...+85°C
Material group	II	II
Material of contact	copper alloy	copper alloy
Contact plating	Au	Au
Insulating material	PA	PA
Material of housing	zinc diecasting nickel plated	zinc diecasting nickel plated

Socket

Male panel mount connector

with single wires, 0.25mm²
length 0.2m

Recommended use



B-Code



Male panel mount connector, solder

Recommended use



B-Code



Male panel mount connector, dip solder



B-Code



Contacts	Thread	Designation	Order No.
4	PG9	M12-M04B-BK-PG9-W0.25	163 004 301 4004
	M16x1.5	M12-M04B-BK-M16-W0.25	163 004 301 4005
5	PG9	M12-M05B-BK-PG9-W0.25	163 005 301 4002
	M16x1.5	M12-M05B-BK-M16-W0.25	163 005 301 4003

Customized cable length upon request

Contacts	Thread	Designation	Order No.
4	PG9	M12-M04B-BK-PG9-C	163 004 313 1002
	M16x1.5	M12-M04B-BK-M16-C	163 004 313 1003
5	PG9	M12-M05B-BK-PG9-C	163 005 313 1002
	M16x1.5	M12-M05B-BK-M16-C	163 005 313 1003

Contacts	Thread	Designation	Order No.
4	PG9	M12-M04B-BK-PG9-D	163 004 314 1003
	M16x1.5	M12-M04B-BK-M16-D	163 004 314 1004
5	PG9	M12-M05B-BK-PG9-D	163 005 314 1003
	M16x1.5	M12-M05B-BK-M16-D	163 005 314 1004

