

M8 Field Attachable Connectors

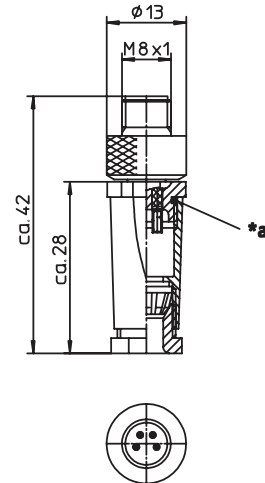
RSMC | RKMC



Male, 3- and 4-Pole

Field attachable connector, M8 male connector 3- and 4-pole with threaded joint, assembling with solder connections.

RSMC



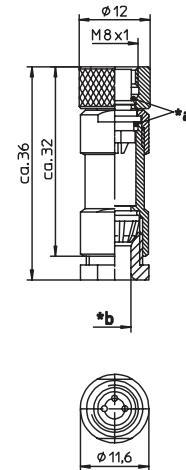
*a O-Ring



Female, 3- and 4-Pole

Field attachable connector, M8 Female connector 3- and 4-pole with threaded joint, assembling with solder connections.

RKMC

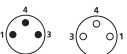


*a O-Ring
*b Screw joint for cable

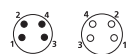
Pin Assignments

Face Views / M12, Male / Female

3 pole



4 pole





Be Certain with Belden

M8 Field Attachable Connectors

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Technical Data

Environmental


Degree of protection	IP 67 / NEMA 6P
Operating temperature range	RSMC: -25°C (-13°F) / +80°C (+176°F) RKMC: -40°C (-40°F) / +85°C (+185°F)

Mechanical

Housing / Molded body	RSMC: CuZn, nickel-plated RKMC: PBT
Insert	PA
Contact	RSMC: CuZn, pre-nickel and 0.8 microns gold-plated RKMC: CuSn, gold-plated
Receptacle shell	CuZn, nickel-plated
O-ring	FKM (only RKMC)
Mode of connection	Solder connection
Connectable conductor	RSMC: max. 0.34mm ² RKMC: max. 0.25 mm ²

Electrical

Contact resistance	≤ 5 mΩ
Nominal current at 40°C	4 A
Nominal voltage	3 poles 60 V 4 poles 30 V
Rated voltage	3 poles 63 V 4 poles 36 V
Test voltage	RSMC: 3 poles 1.5 kV eff. / 60 s 4 poles 0.8 kV eff. / 60 s
Insulation resistance	> 10 ⁹ Ω
Pollution degree	3

Part Number		Pins	Cable Diameter Range	Characteristics
Male	Female			
RSMC 3	RKMC 3	3	Ø 3.5-5.0 mm	
RSMC 4	RKMC 4	4	Ø 3.5-5.0 mm	