M12 Field Attachable Connectors

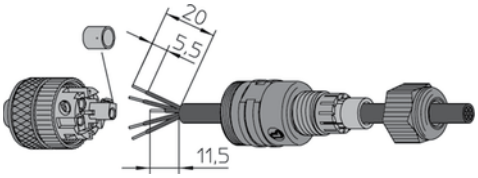
RSC | RKC

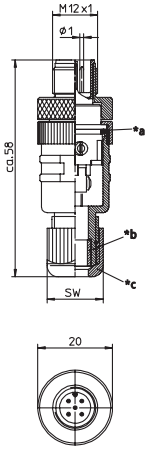


Male, 3-, 4-, 5-, and 8-Pole

RSC

Field attachable connector, M12 male connector, 3-, 4-, 5-, and 8-pole with threaded joint, assembling with screw terminals.





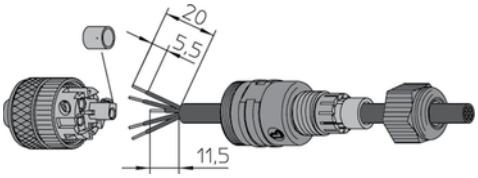
*a O-Ring
*b gasket
*c cap nut

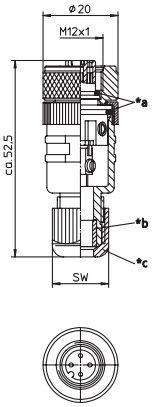


Female, 3-, 4-, 5-, and 8-Pole

RKC

Field attachable connector, M12 female connector, 3-, 4-, 5-, and 8-pole with threaded joint, assembling with screw terminals.



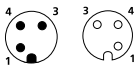


*a O-Ring
*b gasket
*c cap nut

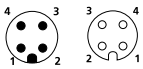
Pin Assignments

Face Views / M12, Male / Female

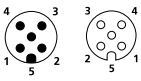
3 pole



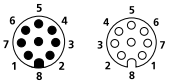
4 pole



5 pole



8 pole





M12 Field Attachable Connectors
RSC | RKC

Technical Data

Environmental

Degree of protection	IP 67 / NEMA 6P
Operating temperature range	-25°C (-13°F) / +90°C (+194°F)

Mechanical

Housing / Molded body	PBT
Insert	PBT
Contact	CuZn, pre-coppered, CuSnZn 8-poles pre-nickeled, gold-plated
Receptacle shell	CuZn, nickel-plated
O-ring	FKM
Mode of connection	Screw terminals
Connectable conductor	3–5 poles max. 0.75 mm^2 8 poles max. 0.50 mm^2

Electrical

Contact resistance	≤ 5 mΩ
Nominal current at 40°C	3–5 poles 4 A 8 poles 2 A
Nominal voltage	3–4 poles 240 V 5 poles 60 V 8 poles 30 V
Rated voltage	3–4 poles 250 V 5 poles 63 V 8 poles 36 V
Test voltage	3–4 poles 2.0 kV eff. / 60 s 5 poles 1.5 kV eff. / 60 s 8 poles 0.9 kV eff. / 60 s
Insulation resistance	> 10^9 Ω
Pollution degree	3

Part Number		Pins	Cable Diameter Range	Characteristics
Male	**Female**			
RSC 3/7	RKC 4/3/7	**3**	Ø 3.0-6.5 mm /SW 15	
RSC 3/9	RKC 4/3/9		Ø 4.0-8.0 mm /SW 19	
RSC 4/7	RKC 4/7	**4**	Ø 3.0-6.5 mm /SW 15	
RSC 4/9	RKC 4/9		Ø 4.0-8.0 mm /SW 19	
RSC 5/7	RKC 5/7	**5**	Ø 3.0-6.5 mm /SW 15	
RSC 5/9	RKC 5/9		Ø 4.0-8.0 mm /SW 19	
RSC 8/9	RKC 8/9	**8**	Ø 4.0-8.0 mm /SW 19	