

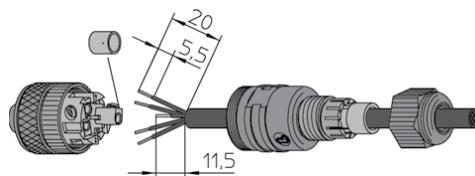
## M12 Field Attachable Connectors

RSC | RKC

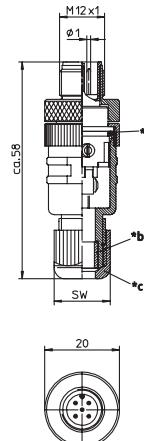


### Male, 3-, 4-, 5-, and 8-Pole

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



RSC



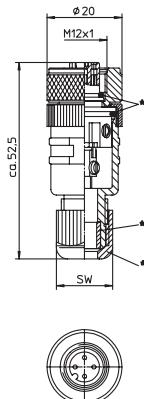
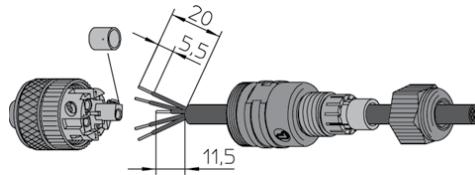
\*a O-Ring  
\*b gasket  
\*c cap nut

RKC



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

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

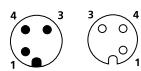


\*a O-Ring  
\*b gasket  
\*c cap nut

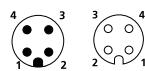
## Pin Assignments

Face Views / M12, Male / Female

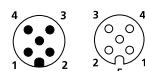
3 pole



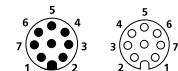
4 pole



5 pole



8 pole





Be Certain with Belden

**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-nickelized, gold-plated  
 Receptacle shell CuZn, nickel-plated  
 O-ring FKM  
 Mode of connection Screw terminals  
 Connectable conductor 3–5 poles max. 0.75 mm<sup>2</sup>  
 8 poles max. 0.50 mm<sup>2</sup>

**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<sup>9</sup> 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	

# Mouser Electronics

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