

M12-Round-Plug Connector, Single-Ended Cordsets, According to IEC 60529

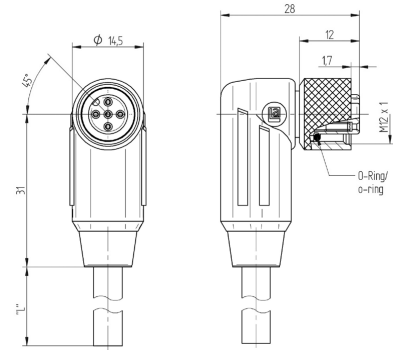
RKWTS



4-, 5-, and 8-Poles (360° Shielding)

Actuator/sensor cordset, M12 female right angle connector with threaded joint and molded cable, 360° shielding connected to knurled nut

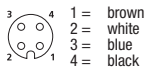
RKWTS



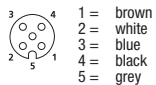
Pin Assignments

M12 - Male

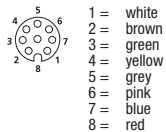
4 poles



5 poles



8 poles





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Technical Data

Environmental

Degree of protection IP 67 / IP 68 / IP 69K
Operating temperature range -25°C / +85°C

Mechanical

Housing / Molded body TPU, orange
Insert PBT, black
Contact 4 to 5 poles: CuSn
8 poles: CuZn

Contact surface Cu/Au
Coupling nut CuZn, nickel-plated
Shield sleeve CuZn, tin-plated
O-ring FKM

Electrical

Contact resistance ≤ 5 mΩ
Nominal current at 40°C 4 to 5 poles: 4 A
8 poles: 2 A































Rated voltage 4 poles: 240 V AC/DC
5 poles: 60 V AC/DC
8 poles: 30 V AC/DC

Test voltage 4 poles: 2.0 kV
5–8 poles: 1.5 kV

Insulation resistance > 10⁹ Ω
Pollution degree 3 DIN EN 60664-1 (VDE0110)

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
182	PVC, shielded	4 x 0.34 mm ²	Orange	.217" (5.5 mm)
183	PVC, shielded	5 x 0.34 mm ²	Orange	.236" (6.0 mm)
184	PVC, shielded	8 x 0.25 mm ²	Orange	.260" (6.6 mm)
288	PUR, halogen-free, shielded	4 x 0.34 mm ²	Black	.217" (5.5 mm)
298	PUR, halogen-free, shielded	5 x 0.34 mm ²	Black	.236" (6.0 mm)
299	PUR, halogen-free, shielded	8 x 0.25 mm ²	Black	.260" (6.6 mm)

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
Female 90°				
RKWTS 4-182/...M	4	PVC	1 M / 2 M / 5 M / 7 M / 10 M / 15 M / 25 M	    
RKWTS 4-288/...M		PUR, halogen-free	2 M / 5 M / 6 M / 10 M / 15 M / 20 M / 30 M	    
RKWTS 5-183/...M	5	PVC	2 M / 5 M / 10 M	    
RKWTS 5-298/...M		PUR, halogen-free	0.2 M / 2 M / 5 M / 10 M / 15 M / 20 M / 30 M	    
RKWTS 8-184/...M	8	PVC	2 M / 5 M	    
RKWTS 8-299/...M		PUR, halogen-free	2 M / 5 M / 10 M / 15 M / 20 M	    

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