

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

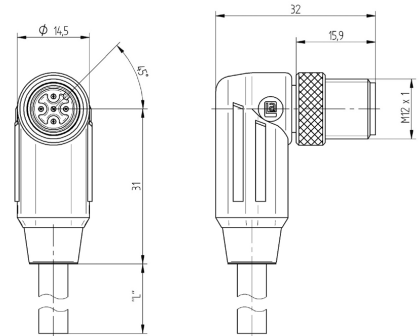
RSWTS



4- and 8-Poles (360° Shielding)

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

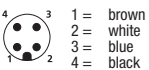
RSWTS



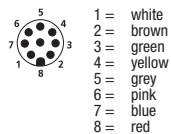
Pin Assignments

M12 - Male

4 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 poles: CuSn 8 poles: CuZn
Contact surface	Cu/Au
Coupling nut	CuZn, nickel-plated
Shield sleeve	CuZn, tin-plated

Electrical

Contact resistance	≤ 5 mΩ
Nominal current at 40°C	4 poles: 4 A 8 poles: 2 A
Rated voltage	4 poles: 240 V AC/DC 8 poles: 30 V AC/DC
Test voltage	4 poles 2.0 kV 8 poles 1.5 kV
Insulation resistance	> 10 ⁹ Ω
Pollution degree	3 DIN EN 60664-1 (VDE0110)

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
288	PUR , halogen-free, shielded	4 x 0.34 mm ²	Black	.217" (5.5 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
Male 90°				
RSWTS 4-288/...M	4	PUR, halogen-free	0.52M / 0.55 M	UL     
RSWTS 8-299/...M	8	PUR, halogen-free	3 M / 5 M / 10 M	UL     

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RKT 4-182/0.6 M](#) [RSWTS 4-288/0.55 M](#)