M12-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61076-2-101

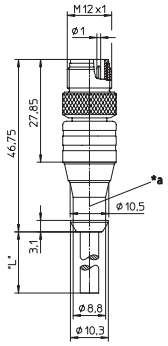
RST



3-, 4-, 5-, and 8-Poles

Actuator/sensor cordset, single-ended, M12, 3-, 4-, 5-, and 8-poles, male straight connector with self-locking thread and molded cable.

RST





*a hose mounting

Pin Assignments

M12 - Male

3 poles



1 = brown
3 = blue
4 = black

4 poles



1 = brown
2 = white
3 = blue
4 = black

5 poles



1 = brown
2 = white
3 = blue
4 = black
5 = green/yellow
(RST 5-56/...M = grey

8 poles



1 = white
2 = brown
3 = green
4 = yellow
5 = grey
6 = pink
7 = blue
8 = shield



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Technical Data

Environmental

Degree of protection	IP 67 / NEMA 6P
Operating temperature range	-25°C (-13°F) / +80°C (+176°F)

Mechanical

Housing / Molded body	TPU
Insert	TPU
Contact	CuSn, pre-nickeled and 0.3 microns gold-plated
Coupling nut	CuZn, nickel-plated

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 5–8 poles 1.5 kV eff. / 60 s
Insulation resistance	> 10^9 Ω
Pollution degree	3

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
06	**PVC**	**3** x 0.34 mm²	Orange	.197" (5.0 mm)
07	**PVC**	**4** x 0.75 mm²	Orange	.197" (5.0 mm)
56	**PVC**	**5** x 0.34 mm²	Orange	.224" (5.7 mm)
224	**PUR**, halogen-free	**3** x 0.34 mm²	Black	.169" (4.3 mm)
225	**PUR**, halogen-free	**4** x 0.34 mm²	Black	.185" (4.7 mm)
228	**PUR**, halogen-free	**5** x 0.50 mm²	Black	.213" (5.4 mm)
251	**PUR**, halogen-free welding spark proof	**4** x 0.34 mm²	Orange	.185" (4.7 mm)
259	**PUR**, halogen-free welding spark proof	**5** x 0.50 mm²	Orange	.217" (5.5 mm)
260	**PUR**, halogen-free welding spark proof	**3** x 0.34 mm²	Orange	.177" (4.5 mm)
282	**PUR**, halogen-free	**7** x 0.25 mm²	Black	.236" (6.0 mm)

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RST 3-06/...M	**3**	PVC	2 M / 5 M / 10 M	
RST 3-224/...M		PUR, halogen-free	2 M / 5 M / 10 M	
RST 3-260/...M		PUR, halogen-free / welding spark proof	2 M / 5 M / 10 M	
RST 4-07/...M	**4**	PVC	2 M / 5 M / 10 M	
RST 4-225/...M		PUR, halogen-free	2 M / 5 M / 10 M	
RST 4-251/...M		PUR, halogen-free / welding spark proof	2 M / 5 M / 10 M	
RST 5-56/...M	**5**	PVC	2 M / 5 M / 10 M	
RST 5-228/...M		PUR, halogen-free	2 M / 5 M / 10 M	
RST 5-259/...M		PUR, halogen-free / welding spark proof	2 M / 5 M / 10 M	
RST 8-282/...M	**8**	PUR, halogen-free	2 M / 5 M / 10 M	