

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

RST -RKT | RST-RKWT



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

Actuator/sensor cordset, double-ended, M12, 3-, 4-, 5- and 8-poles, male straight to female straight connector with self-locking thread and molded TPE, PUR, or PVC cable, IEC color code.

RST-RKT



Actuator/sensor cordset, double-ended, M12, 3-, 4-, 5- and 8-poles, male straight to female 90° connector with self-locking thread and molded TPE, PUR, or PVC cable, IEC color code.

RST-RKWT



Pin Assignments

M12 - Male/Female

3 poles



1 = brown
3 = blue
4 = black

4 poles



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

5 poles (794)



1 = brown
2 = white
3 = blue
4 = black
5 = green/yellow

5 poles (all others)



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

8 poles



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



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Technical Data

Environmental

Degree of protection	IP 67 / NEMA 6P
Operating temperature range	PUR: -40°C (-40°F) / +80°C (176°F) PVC: -40°C (-40°F) / +90°C (194°F) TPE: -40°C (-40°F) / +90°C (194°F)

Mechanical

Housing / Molded body	PUR, yellow RST 8-RKT 8-627: PUR, black RST 8-RKWT 8-627: PUR, black
Insert	PUR, Yellow RST 8-RKT 8-627: PUR, orange RST 8-RKWT 8-627: PUR, orange
Contacts	CuSn, gold over nickel-plated
Coupling nut	CuZn, nickel-plated
O-ring (female only)	FKM or Viton

Electrical

Current rating	4 A
RST 8-RKT 8-XXX:	1.5A
Voltage rating	250 V 5-Pole: 60V 8-Pole: 30 V AC /36 V DC

Cable Specifications

Cable No.	Outer Jacket	Gauge	Jacket Color	OD
602	PUR	18AWG	Yellow	.230" (5.8 mm)
Continuous flex rating and suitable for general C-track usage. 1 million cycles at minimum bend radius 10X cable diameter.				
610	PUR	22AWG	Yellow	.190" (4.8 mm)
612	PVC	22AWG	Yellow	.210" (5.3 mm)
627	PVC	24AWG	Black	.232" (5.9 mm)
632	PVC	22AWG	Yellow	.190" (4.8 mm)
633	PVC	22AWG	Yellow	.190" (4.8 mm)
637	TPE/PLTC	18AWG	Yellow	.280" (7.1 mm)
643	TPE/PLTC	22AWG	Yellow	.246" (6.2 mm)
644	PUR	22AWG	Yellow	.210" (5.3 mm)
645	PUR	18AWG	Yellow	.220" (5.6 mm)
679	PUR	22AWG	Yellow	.190" (4.8 mm)
713	TPE/PLTC	22AWG	Yellow	.280" (7.1 mm)
727	TPE/PLTC	22AWG	Yellow	.335" (8.5 mm)
731	TPE/PLTC	18AWG	Yellow	.261" (6.6 mm)
794	TPE/PLTC	18AWG	Yellow	.304" (7.7 mm)

Part Number	Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RST 3-RKT 4-3-731/...M RST 3-RKWT 4-3-731/...M	3	TPE/PLTC	2 M / 5 M / 10 M	
RST 3-RKT 4-3-632/...M RST 3-RKWT 4-3-632/...M		PVC	2 M / 5 M / 10 M	
RST 3-RKT 4-3-645/...M RST 3-RKWT 4-3-645/...M		PUR	2 M / 5 M / 10 M	
RST 3-RKT 4-3-610/...M RST 3-RKWT 4-3-610/...M		PUR	2 M / 5 M / 10 M	
RST 4-RKT 4-637/...M RST 4-RKWT 4-637/...M	4	TPE/PLTC	1 M / 2 M / 3 M / 5 M / 6 M / 10 M	
RST 4-RKT 4-633/...M RST 4-RKWT 4-633/...M		PVC	2 M / 5 M / 10 M	
RST 4-RKT 4-643/...M RST 4-RKWT 4-643/...M		TPE/PLTC	1 M / 2 M / 5 M / 10 M	
RST 4-RKT 4-602/...M RST 4-RKWT 4-602/...M		PUR	1 M / 2 M / 3 M / 4 M / 5 M / 6 M / 10 M	
RST 4-RKT 4-679/...M RST 4-RKWT 4-679/...M		PUR	2 M / 5 M / 10 M	
RST 5-RKT 5-612/...M RST 5-RKWT 5-612/...M	5	PVC	2 M / 5 M / 10 M	
RST 5-RKT 5-644/...M RST 5-RKWT 5-644/...M		PUR	2 M / 5 M / 10 M	
RST 5-RKT 5-713/...M RST 5-RKWT 5-713/...M		TPE/PLTC	2 M / 5 M / 10 M	
RST 5-RKT 5-794/...M RST 5-RKWT 5-794/...M		TPE/PLTC	2 M / 5 M / 10 M	
RST 8-RKT 8-627/...M RST 8-RKWT 8-627/...M	8	PVC	2 M / 5 M / 10 M	
RST 8-RKT 8-727/...M RST 8-RKWT 8-727/...M		TPE/PLTC	2 M / 5 M / 10 M	