M8-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61976-2-104

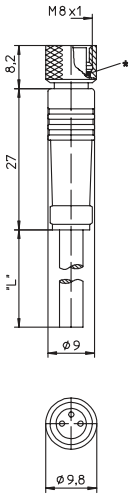
RKMV | RKMWV



3-, 4-, and 8-Poles

Actuator/sensor cordset, single-ended, M8, 3-, 4-, and 8-poles, female straight connector with self-locking threaded joint and molded cable.

RKMV

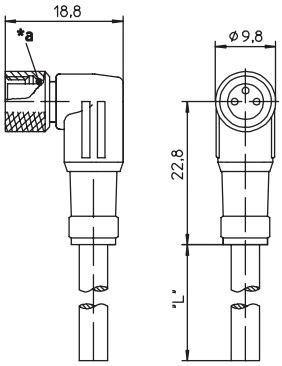


*a O-Ring



Actuator/sensor cordset, single-ended, M8, 3-, 4-, and 8-poles, female 90° connector with self-locking threaded joint and molded cable.

RKMWV



*a O-Ring

Pin Assignments

M8

3 poles



1 = brown
3 = blue
4 = black

4 poles



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

8 poles



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



M8-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61976-2-104

RKMV 3 | RKMV 4 | RKMV 8 | RKMWV 3 | RKMWV 4

Technical Data

Environmental

Degree of protection	IP 67 / NEMA 6P
Operating temperature range	-40°C (-40°F) / +90°C (+194°F)

Mechanical

Housing / Molded body	TPU
Insert	PA / TPU
Contact	CuZn, pre-nickeled and 0.8 microns gold-plated
Coupling nut	CuZn, nickel-plated

Electrical data

Contact resistance	≤ 5 mΩ
Nominal current at 40°C	4 A
Nominal voltage	3 poles 60 V 4 poles 30 V
Rated voltage	3 poles 63 V 4 poles 36 V
Test voltage	3 poles 1.5 kV eff. / 60 s 4 poles 0.8 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)
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)
354	**PUR**, halogen-free	**8** x 0.14 mm²	Black	.197" (5.0 mm)

Part Number		Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RKMV 3-06/...M	RKMWV 3-06/...M	**3**	PVC	2 M / 5 M / 10 M	
RKMV 3-224/...M	RKMWV 3-224/...M		PUR, halogen-free	2 M / 5 M / 10 M	
RKMV 4-07/...M	RKMWV 4-07/...M	**4**	PVC	2 M / 5 M / 10 M	
RKMV 4-225/...M	RKMWV 4-225/...M		PUR, halogen-free	2 M / 5 M / 10 M	
RKMV 8-354/...M		**8**	PUR, halogen-free	2 M / 5 M / 10 M	