

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

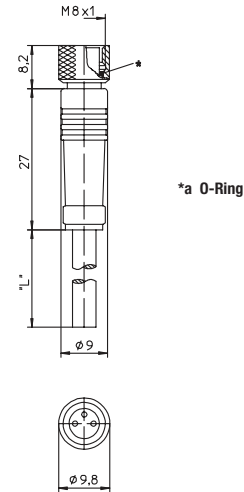
RKMV | RKMVV



3-, 4-, and 8-Poles

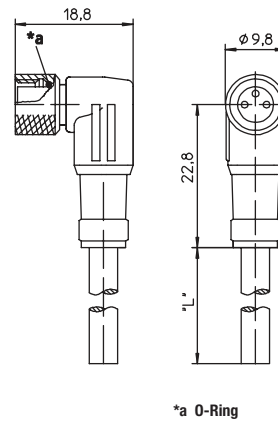
Actuator/sensor cordset, single-ended, M8, 3-, 4-, and 8-poles, female straight connector with self-locking threaded joint and molded cable.

RKMV



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

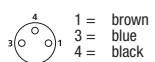
RKMVV



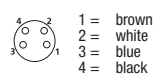
Pin Assignments

M8

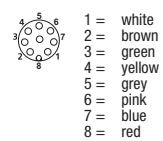
3 poles



4 poles



8 poles





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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-nickelated 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 > 10⁹ Ω
Pollution degree 3

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
06	PVC	3 x 0.34 mm ²	Orange	.197" (5.0 mm)
07	PVC	4 x 0.75 mm ²	Orange	.197" (5.0 mm)
224	PUR, halogen-free	3 x 0.34 mm ²	Black	.169" (4.3 mm)
225	PUR, halogen-free	4 x 0.34 mm ²	Black	.185" (4.7 mm)
354	PUR, halogen-free	8 x 0.14 mm ²	Black	.197" (5.0 mm)

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