

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

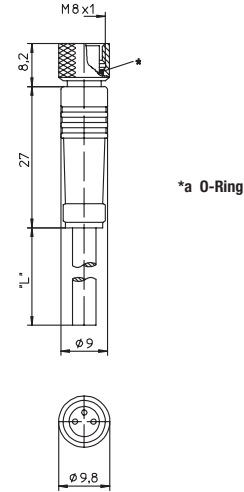
RKMV | RKMVV



3-, 4-, and 8-Poles

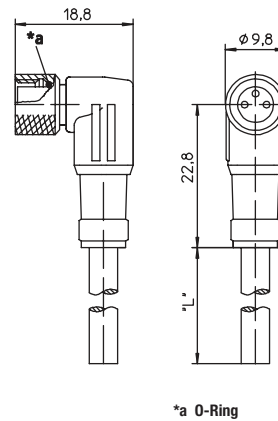
Actuator/sensor cordset, single-ended, M8, 3-, 4-, and 8-poles, female straight connector with self-locking threaded joint and molded cable.

RKMV



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

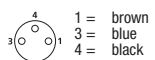
RKMVV



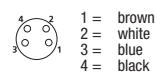
Pin Assignments

M8

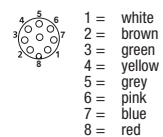
3 poles



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-nickel- 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 | |