

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



4 poles



5 poles (794)



5 poles (all others)



8 poles





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RST-RKT | RST-RKWT

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 | |