



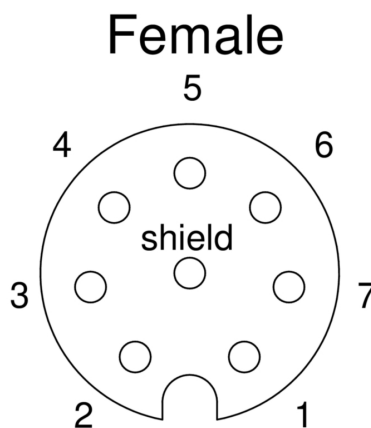
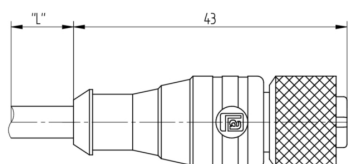
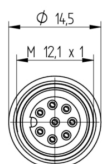
Product: [RKT 8-282](#)

M12 Standard Sensor/Actuator Single-Ended Cordset: Female, straight, 8-pin, A-coded, translucent body, 30 V AC/DC, 2 A; PUR black cable, 7-wires, 0.25 mm²

Product Description

M12 Standard Sensor/Actuator Single-Ended Cordset: Female, straight, 8-pin, A-coded, translucent body, 30 V AC/DC, 2 A; PUR black cable, 7-wires, 0.25 mm²

Technical Drawing



Technical Specifications

Face View

| Pin 1 | Pin 2 | Pin 3 | Pin 4 | Pin 5 | Pin 6 | Pin 7 | Pin 8 |
|-------|-------|-------|--------|-------|-------|-------|--------|
| white | brown | green | yellow | grey | pink | blue | shield |

Technical Data

| | |
|---------------------------|------------------------------|
| Product Family: | Sensor / Actuator Connectors |
| Product Sub Family: | M12 Standard |
| Brand: | Lumberg Automation |
| Connector Type: | Cordset, single ended |
| Type of Contact / Gender: | Female |
| Connector Design: | Straight |
| Number of Pins: | 8 |
| Coding: | A |
| Shielding: | Unshielded |
| Attachment Type: | Coupling Nut |
| Rated Voltage: | 30 V |
| Rated Impulse Voltage: | 0.8 kV |
| Operating Voltage: | 30 V AC/DC |
| Rated Current*: | 2 A |
| Contact Resistance: | ≤ 10 mOhm |
| Insulation Resistance: | > 10 ⁹ Ohm |

| | |
|-----------------------------------|---|
| Mating Cycles: | ≤ 100 |
| Ambient Temperature (Operation)*: | - 40 °C - + 90 °C |
| Protection Degree / IP Rating**: | IP65, IP67, IP68 (1 m / 24 h), IP69K |
| Design Standard: | IEC 61076-2-101 |
| Pollution Degree: | 3 acc. to DIN EN 60664-1 (VDE 0110-1) |
| Overvoltage Category: | III acc. to DIN EN 60664-1 (VDE 0110-1) |

Materials

| | |
|--------------------------------------|---------------|
| Contact Base Material: | CuZn |
| Contact Plating: | Cu/Au |
| Contact Bearer Material: | TPU |
| Contact Bearer Color: | Orange |
| Flammability Class (Contact Bearer): | UL 94 HB |
| Molded Body Material: | TPU |
| Molded Body Color: | Translucent |
| Flammability Class (Molded Body): | UL 94 HB |
| Attachment Material: | CuZn |
| Attachment Plating: | Nickel-plated |
| O-Ring Material: | FKM, green |

Additional Technical Data

| | |
|--------------------------------|---------------------------------|
| Fastening Torque (Attachment): | M 12x1: (50-60) Ncm, hand-tight |
|--------------------------------|---------------------------------|

Cable Data

| | |
|---|--|
| Cable Number: | 282 |
| Conductor Size: | 0.25 mm ² |
| Number of Wires: | 7 |
| Minimal Bending Radius (Fixed Inst): | > 5 x D |
| Minimal Bending Radius (Flexible Inst): | > 10 x D |
| Cycles (Bending): | > 5 M |
| Cycles (Torsion): | > 5 M @ ± 360 °/1 m |
| Conductor material: | Cu |
| Cable Jacket Material: | PUR |
| Cable Jacket Color: | black |
| Cable Diameter D: | ø 6.0 ± 0.20 mm |
| Wire Insulation Material: | PP |
| Insulated Wire Diameter: | ø 1.17 mm |
| Foil shield: | Al-PT |
| Ambient Temperature (Fixed Installation): | - 50 °C - + 80 °C |
| Ambient Temperature (Flex Installation): | - 25 °C - + 80 °C |
| Ambient Temperature (Drag Chain Inst): | - 25 °C - + 60 °C |
| UL Cable Type: | AWM: 20549 |
| Flammability Class (Cable Jacket): | DIN EN 60332-2-2, VDE 0482-332-2-2, IEC 60332-2-2, CSA FT-2 |
| Cable Characteristics: | Free of lacquer wetting disturbing substances; Good microbes and hydrolysis resistance; Mainly plasticizer diffusion free; Exclusion of PVC and silicone; Coldness flexibility |

Safety & Environmental Compliance

| | |
|-----------------|-----|
| RoHS Compliant: | yes |
|-----------------|-----|

Resistances

| | |
|--------------|---|
| Halogenfree: | DIN EN 50267-2-1, IEC 60754-1, VDE 0482-267-2-1 |
|--------------|---|

Notes

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|-------------------------------------|--|
| Note Derating: | Notice derating |
| Protection Degree / IP Rating Note: | ** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector. |
| Note: | Do not connect or disconnect under load. |

Variants

| Item # | Item Description | Cable Length | Rated Current |
|-----------|------------------|--------------|---------------|
| 415 | RKT 8-282/45 M | 45 m | 2 A |
| 1374 | RKT 8-282/25 M | 25 m | 2 A |
| 2454 | RKT 8-282/3 M | 3 m | 2 A |
| 46772 | RKT 8-282/5 M | 5 m | 2 A |
| 47077 | RKT 8-282/2 M | 2 m | 2 A |
| 55222 | RKT 8-282/15 M | 15 m | 2 A |
| 60548 | RKT 8-282/10 M | 10 m | 2 A |
| 76612 | RKT 8-282/20 M | 20 m | 2 A |
| 78617 | RKT 8-282/0,5 M | 0.5 m | 2 A |
| 89741 | RKT 8-282/30 M | 30 m | 2 A |
| 934637293 | RKT 8-282/8 M | 8 m | 2 A |
| 14483 | RKT 8-282/1 M | 1 m | 2 A |
| 20404 | RKT 8-282/7,5 M | 7.5 m | 2 A |

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