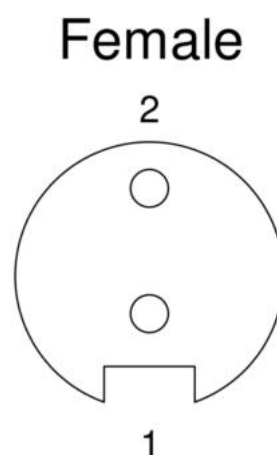
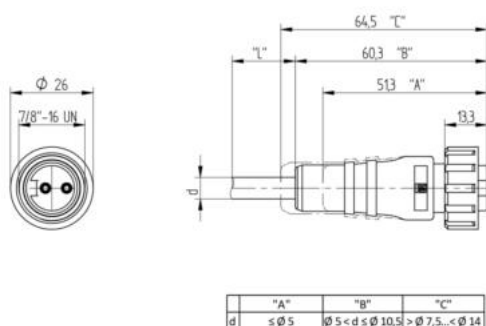


**Product:** [RK 20-03](#) 

7/8" Power Single-Ended Cordset: Female, straight, 2-pin, orange body, 230 V AC/DC, 12 A; PVC orange cable, 0.75 mm<sup>2</sup>

**Product Description**

7/8" Power Single-Ended Cordset: Female, straight, 2-pin, orange body, 230 V AC/DC, 12 A; PVC orange cable, 0.75 mm<sup>2</sup>

**Technical Drawing****Technical Specifications****Face View**

| Pin 1 | Pin 2 |
|-------|-------|
| brown | blue  |

**Technical Data**

|                                   |                       |
|-----------------------------------|-----------------------|
| Product Family:                   | Power Connector       |
| Product Sub Family:               | 7/8"                  |
| Brand:                            | Lumberg Automation    |
| Connector Type:                   | Cordset, single ended |
| Type of Contact / Gender:         | female                |
| Connector Design:                 | straight              |
| Number of Pins:                   | 2                     |
| Shielding:                        | Unshielded            |
| Attachment Type:                  | Coupling nut          |
| Rated Voltage:                    | 250 V AC/DC           |
| Operating Voltage:                | 230 V AC/DC           |
| Rated Current*:                   | 12 A                  |
| Contact Resistance:               | ≤ 10 mOhm             |
| Insulation Resistance:            | > 10 <sup>9</sup> Ohm |
| Ambient Temperature (Operation)*: | -40 °C to +90 °C      |
| Protection Degree / IP Rating**:  | IP68                  |

|                   |                                       |
|-------------------|---------------------------------------|
| Pollution Degree: | 3 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    |
| Molded Body Material:    | TPU       |
| Molded Body Color:       | orange    |
| Attachment Material:     | PA, black |

Cable Data

|                                           |                                                                                                    |
|-------------------------------------------|----------------------------------------------------------------------------------------------------|
| Cable Number:                             | 03                                                                                                 |
| Conductor Size:                           | 0.75 mm²                                                                                           |
| Number of Wires:                          | 2                                                                                                  |
| Minimal Bending Radius (Fixed Inst):      | > 5 x D                                                                                            |
| Minimal Bending Radius (Flexible Inst):   | > 10 x D                                                                                           |
| Conductor material:                       | Cu                                                                                                 |
| Cable Jacket Material:                    | PVC                                                                                                |
| Cable Jacket Color:                       | orange                                                                                             |
| Cable Diameter D:                         | ø 6.80 ±0.20 mm                                                                                    |
| Wire Insulation Material:                 | PVC                                                                                                |
| Insulated Wire Diameter:                  | ø 2.40 mm                                                                                          |
| Ambient Temperature (Fixed Installation): | - 40 °C to +90 °C                                                                                  |
| Ambient Temperature (Flex Installation):  | + 5 °C to +90 °C                                                                                   |
| UL Cable Type:                            | AWM: 2654                                                                                          |
| Flammability Class (Cable Jacket):        | DIN EN 60332-1-2, VDE 0482-332-1-2, IEC 60332-1-2, UL VW-1; flame-retardant and self-extinguishing |

Safety & Environmental Compliance

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

Notes

|                                     |                                                                                              |
|-------------------------------------|----------------------------------------------------------------------------------------------|
| 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 / disconnect under load.                                                      |

Variants

| Item # | Item Description | Cable Length |
|--------|------------------|--------------|
| 12838  | RK 20-03/1 M     | 1 m          |
| 11171  | RK 20-03/2 M     | 2 m          |
| 11172  | RK 20-03/5 M     | 5 m          |
| 12839  | RK 20-03/10 M    | 10 m         |

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