

**Product:** [RKWT 4-773](#) 

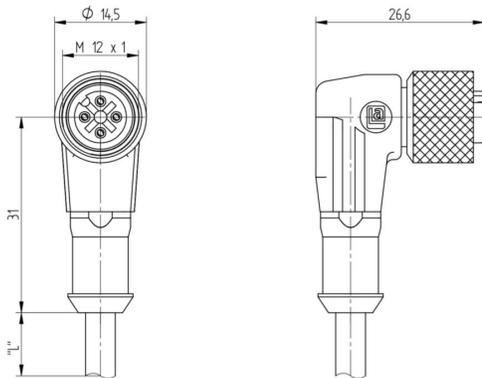


Sensor / Actuator Connector: M12 Standard, Cordset, Single ended, Angled Female, 4-pole; with Yellow TPE 22 AWG cable

**Product Description**

Sensor / Actuator Connector: M12 Standard, Cordset, Single ended, Angled Female, 4-pole, 250 V | 4 A; with Yellow TPE 4x22 AWG cable, PLTC Rated

**Technical Drawing**



**Technical Specifications**

**Technical Data**

|                                   |                             |
|-----------------------------------|-----------------------------|
| Product Family:                   | Sensor / Actuator Connector |
| Product Sub Family:               | M12 Standard                |
| Brand:                            | Lumberg Automation          |
| Connector Type:                   | Cordset, single ended       |
| Type of Contact / Gender:         | Female                      |
| Connector Design:                 | Angled                      |
| Number of Pins:                   | 4                           |
| Coding:                           | A                           |
| Shielding:                        | Unshielded                  |
| Attachment Type:                  | Coupling Nut                |
| Rated Voltage:                    | 250 V                       |
| Rated Impulse Voltage:            | 2.5 kV                      |
| Operating Voltage:                | 230 V AC/DC                 |
| Rated Current*:                   | 4 A                         |
| Contact Resistance:               | ≤ 10 mOhm                   |
| Insulation Resistance:            | > 10 <sup>9</sup> Ohm       |
| Mating Cycles:                    | ≤ 100                       |
| Ambient Temperature (Operation)*: | - 40 °C - + 90 °C           |
| Protection Degree / IP Rating**:  | IP65, IP67                  |

|                       |  |
|-----------------------|--|
| Design Standard:      | IEC 61076-2-101                        |
| Pollution Degree:     | 3 acc. to DIN EN 60664-1 (VDE 0110-1)  |
| Overtoltage Category: | II acc. to DIN EN 60664-1 (VDE 0110-1) |

## Materials

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| Contact Base Material:               | CuSn                                 |
| Contact Plating:                     | Cu/Au                                |
| Contact Bearer Material:             | TPU                                  |
| Contact Bearer Color:                | Black or Orange                      |
| Flammability Class (Contact Bearer): | UL 94 HB                             |
| Molded Body Material:                | TPU                                  |
| Molded Body Color:                   | Grey Transluscent                    |
| Flammability Class (Molded Body):    | UL 94 HB                             |
| Attachment Material:                 | CuZn, Nickel-plated, Internal thread |
| O-Ring Material:                     | FKM, green or black                  |

## Additional Technical Data

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

## Cable Data

|   |  |
|---|--|
| Cable Number:                             | 773  |
| Conductor Size:                           | 22 AWG   |
| Number of Wires:                          | 4  |
| Minimal Bending Radius (Fixed Inst):      | > 8 x D  |
| Minimal Bending Radius (Flexible Inst):   | > 10 x D   |
| Cycles (Bending):                         | > 5 M  |
| Conductor material:                       | Cu [Bare Copper]   |
| Cable Jacket Material:                    | TPE-C  |
| Cable Jacket Color:                       | Yellow   |
| Cable Diameter D:                         | Ø 4.98 mm  |
| Wire Insulation Material:                 | PVC-SR   |
| Insulated Wire Diameter:                  | Ø 1.19 mm  |
| Ambient Temperature (Fixed Installation): | - 40 to 105°C  |
| Ambient Temperature (Flex Installation):  | - 15 to 90°C   |
| Ambient Temperature (Drag Chain Inst):    | - 15 to 90°C   |
| UL Cable Type:                            | (UL) PLTC 105C SUN RES OR (CSA) C(UR) AWM I/II A/B 105C, 300V  |
| Flammability Class (Cable Jacket):        | FT1  |
| Cable Characteristics:                    | Mechanical Properties: Excellent flexibility for C-track /drag chain, High Impact Strength, Tear & Abrasion   Resistance Properties: Chemicals such as Acids, Degreaser Solvents, Alcohol and Alkalis, Petroleum Liquids such as Oil, Gas, and Grease, Weld Spark, Sunlight, and Ozone |

## Approvals

|          |         |
|----------|---------|
| UL-File: | E315587 |
| UL:      | Yes     |
| VDE:     | Yes     |

## Safety & Environmental Compliance

|                 |     |
|-----------------|-----|
| RoHS Compliant: | Yes |
|-----------------|-----|

## Notes

|                                     |   |
|-------------------------------------|---|
| Note Derating:                      | Notice derating   |
| Protection Degree / IP Rating Note: | Protection Degree and IP Rating per test standard IEC 60529 using a Lumberg Automation mating product |

## Variants

| Item #    | Item Description | Cable Length | Rated Current |
|-----------|------------------|--------------|---------------|
| 600007282 | RKWT 4-773/5M    | 5 m          | 4 A           |
| 600007283 | RKWT 4-773/10M   | 10 m         | 4 A           |

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