



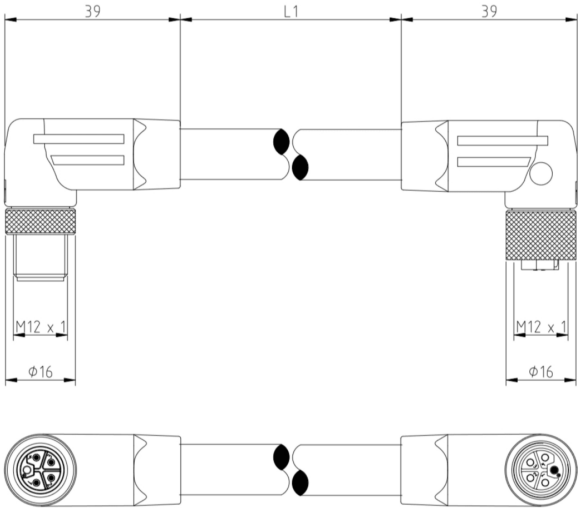
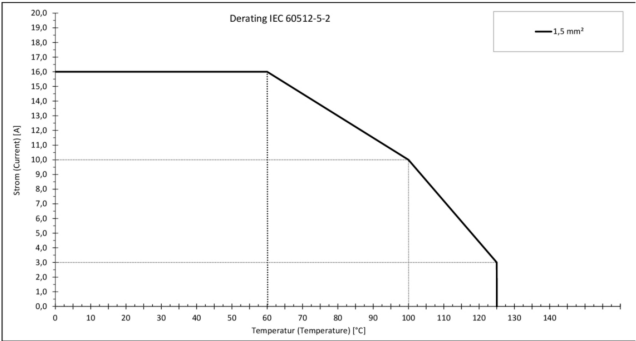
**Product:** [RSWT 5L-RKWT 5L-1002 SW](#) 

M12 Power Double-Ended Cordset: Male angled to Female angled, 5-pin(4+FE), L-coded, black body, 50 V AC/60 V DC, 16 A; TPE yellow cable, 1.50 mm<sup>2</sup>

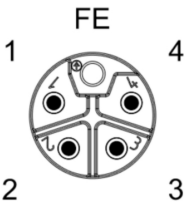
### Product Description

M12 Power Double-Ended Cordset: Male angled to Female angled, 5-pin(4+FE), L-coded, black body, 50 V AC/60 V DC, 16 A; TPE yellow cable, 1.50 mm<sup>2</sup>

### Technical Drawing

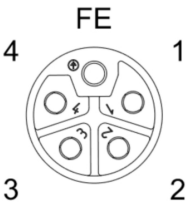


Male View



- 1 = BN
- 2 = WH
- 3 = BU
- 4 = BK
- FE = GY

Female View



- 1 = BN
- 2 = WH
- 3 = BU
- 4 = BK
- FE = GY

### Technical Specifications

#### Product Description

|                 |                    |
|-----------------|--------------------|
| Product Family: | Power Connector    |
| Brand:          | Lumberg Automation |

|                        |                       |
|------------------------|-----------------------|
| Connector Type:        | Cordset, double ended |
| Shielding:             | Unshielded            |
| Rated Voltage:         | 63 V                  |
| Rated Voltage (UL):    | 63 V                  |
| Rated Impulse Voltage: | 1.5 kV                |
| Rated Current*:        | 16 A                  |
| Rated Current (UL)*:   | 16 A                  |

Technical Data Side 1

|                                      |                                         |
|--------------------------------------|-----------------------------------------|
| Product Sub Family:                  | M12 Power                               |
| Type of Contact / Gender:            | male                                    |
| Connector Design:                    | angled                                  |
| Attachment Type:                     | Coupling Screw                          |
| Number of Pins:                      | 5                                       |
| Coding:                              | L                                       |
| Contact Resistance:                  | ≤ 10 mOhm                               |
| Insulation Resistance:               | > 10^9 Ohm                              |
| Mating Cycles:                       | ≤ 100                                   |
| Ambient Temperature (Operation)*:    | -40 °C to +125 °C, notice derating      |
| Protection Degree / IP Rating**:     | IP65, IP67, IP69K                       |
| Design Standard:                     | IEC 61076-2-111                         |
| Pollution Degree:                    | 3 acc. to DIN EN 60664-1 (VDE 0110-1)   |
| Clearance / Creepage Distance:       | DIN EN 60664-1 (2008/01); VDE 0110-1    |
| Overvoltage Category:                | III acc. to DIN EN 60664-1 (VDE 0110-1) |
| Contact Base Material:               | CuNi                                    |
| Contact Plating:                     | Cu/Au                                   |
| Contact Bearer Material:             | PBT GF                                  |
| Contact Bearer Color:                | grey                                    |
| Flammability Class (Contact Bearer): | UL 94 V-2                               |
| Molded Body Material:                | TPE                                     |
| Molded Body Color:                   | black                                   |
| Flammability Class (Molded Body):    | UL 94 HB                                |
| Attachment Material:                 | CuZn                                    |
| Attachment Plating:                  | Cu/Ni                                   |
| O-Ring Material:                     | FKM                                     |
| Fastening Torque (Contact Screw):    | M 12x1: (50-60) Ncm, hand-tight         |

Cable Data

|                                           |                                                                |
|-------------------------------------------|----------------------------------------------------------------|
| Cable Number:                             | 1002                                                           |
| Conductor Size:                           | 1.50 mm²                                                       |
| Number of Wires:                          | 5                                                              |
| Minimal Bending Radius (Fixed Inst):      | > 10 x D                                                       |
| Minimal Bending Radius (Flexible Inst):   | > 10 x D                                                       |
| Cycles (Bending):                         | > 1 Mio                                                        |
| Conductor material:                       | Cu                                                             |
| Cable Jacket Material:                    | TPE                                                            |
| Cable Jacket Color:                       | yellow                                                         |
| Cable Diameter D:                         | Ø 9.4 mm ± 0.2 mm                                              |
| Wire Insulation Material:                 | PVC                                                            |
| Insulated Wire Diameter:                  | ø 2.55 mm                                                      |
| Overall Shield (Cable):                   | -                                                              |
| Ambient Temperature (Fixed Installation): | -40 °C to +90 °C                                               |
| Ambient Temperature (Flex Installation):  | -5 °C to +90 °C                                                |
| Ambient Temperature (Drag Chain Inst):    | -                                                              |
| UL Cable Type:                            | UL/CSA, NEC (UL) TC_ER, WTTC or AWM Style 20328 (900 V 105 °C) |
| Flammability Class (Cable Jacket):        | UL1685 FT4/IEEE 1202 Vertical Tray Flame Test, FT4             |

Technical Data Side 2

|                                              |                                         |
|----------------------------------------------|-----------------------------------------|
| Product Sub Family, Side 2:                  | M12 Power                               |
| Type of Contact / Gender, Side 2:            | female                                  |
| Connector Design, Side 2:                    | angled                                  |
| Attachment Type, Side 2:                     | Coupling Nut                            |
| Number of Pins, Side 2:                      | 5                                       |
| Coding, Side 2:                              | L                                       |
| Contact Resistance, Side 2:                  | ≤ 10 mOhm                               |
| Insulation Resistance, Side 2:               | > 10^9 Ohm                              |
| Mating Cycles, Side 2:                       | ≤ 100                                   |
| Ambient Temperature (Operation), Side 2*:    | -40 °C to +125 °C, notice derating      |
| Protection Degree / IP Rating, Side 2**:     | IP65, IP67, IP69K                       |
| Design Standard, Side 2:                     | IEC 61076-2-111                         |
| Pollution Degree, Side 2:                    | 3 acc. to DIN EN 60664-1 (VDE 0110-1)   |
| Clearance / Creepage Distance, Side 2:       | DIN EN 60664-1 (2008/01); VDE 0110-1    |
| Overvoltage Category, Side 2:                | III acc. to DIN EN 60664-1 (VDE 0110-1) |
| Contact Base Material, Side 2:               | CuNi                                    |
| Contact Plating, Side 2:                     | Cu/Au                                   |
| Contact Bearer Material, Side 2:             | PBT GF                                  |
| Contact Bearer Color, Side 2:                | grey                                    |
| Flammability Class (Contact Bearer), Side 2: | UL 94 V-2                               |
| Molded Body Material, Side 2:                | TPE                                     |
| Molded Body Color, Side 2:                   | black                                   |
| Flammability Class (Molded Body), Side 2:    | UL 94 HB                                |
| Attachment Material, Side 2:                 | CuZn                                    |
| Attachment Plating, Side 2:                  | Cu/Ni                                   |
| O-Ring Material, Side 2:                     | FKM                                     |
| Fastening Torque (Contact Screw), Side 2:    | M 12x1: (50-60) Ncm, hand-tight         |

Approvals

|          |                |
|----------|----------------|
| UL-File: | E497237        |
| UL:      | UL 2237; cULus |
| VDE:     | Yes            |

Safety & Environmental Compliance

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

Resistances

|                 |            |
|-----------------|------------|
| Halogenfree:    | -          |
| Oil Resistance: | Oil Res II |

Notes

|                          |                                                                                                                                                                 |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note Derating:           | * Notice derating                                                                                                                                               |
| Product Characteristics: | To ensure ingress protection, please check the O-ring's position before connecting. Improperly positioned O-ring leads to ingress protection potential failure. |

Variants

| Item #    | Item Description             | Cable Length |
|-----------|------------------------------|--------------|
| 934853978 | RSWT 5L-RKWT 5L-1002/2 M SW  | 2 m          |
| 934853981 | RSWT 5L-RKWT 5L-1002/5 M SW  | 5 m          |
| 934853984 | RSWT 5L-RKWT 5L-1002/10 M SW | 10 m         |

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