



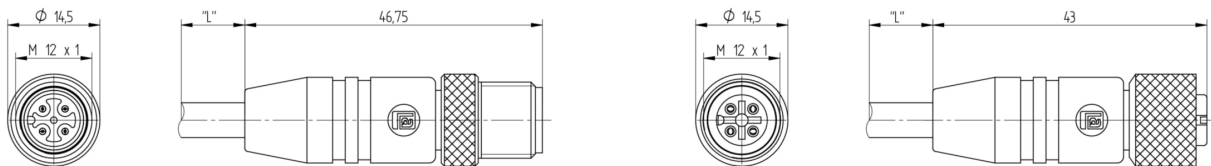
**Product:** [RSTS 4-RKTS 4-288](#)

Sensor/Actuator Double-Ended Cordset: Male straight A-coded orange 4-pin M12 Standard connector to female straight A-coded orange 4-pin M12 Standard connector, shielded, 50 V AC / 60 V DC, 4 A; PUR black cable, 4-wires, 0.34 mm<sup>2</sup>

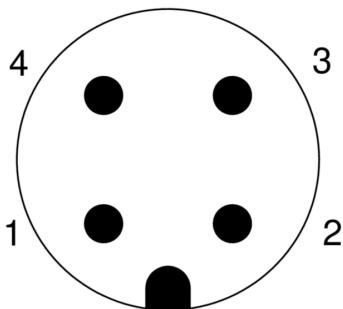
**Product Description**

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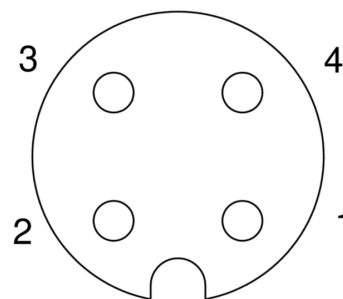
**Technical Drawing**



**Male**



**Female**



**Technical Specifications**

**Face View Side 1**

| Pin 1 | Pin 2 | Pin 3 | Pin 4 |
|-------|-------|-------|-------|
| brown | white | blue  | black |

**Face View Side 2**

| Pin 1 | Pin 2 | Pin 3 | Pin 4 |
|-------|-------|-------|-------|
| brown | white | blue  | black |

Product Description

|                        |                              |
|------------------------|------------------------------|
| Product Family:        | Sensor / Actuator Connectors |
| Brand:                 | Lumberg Automation           |
| Connector Type:        | Cordset, double ended        |
| Shielding:             | Shielded                     |
| Rated Voltage:         | 60 V                         |
| Rated Voltage (UL):    | 250 V AC                     |
| Rated Impulse Voltage: | 1.5 kV                       |
| Operating Voltage:     | 50 V AC / 60 V DC            |
| Rated Current*:        | 4 A                          |
| Rated Current (UL)*:   | 4 A                          |

Technical Data Side 1

|                                      |                                          |
|--------------------------------------|------------------------------------------|
| Product Sub Family:                  | M12 Standard                             |
| Type of Contact / Gender:            | Male                                     |
| Connector Design:                    | Straight                                 |
| Attachment Type:                     | Coupling Screw                           |
| Number of Pins:                      | 4                                        |
| Coding:                              | A                                        |
| Contact Resistance:                  | ≤ 10 mOhm                                |
| Insulation Resistance:               | > 10 <sup>9</sup> Ohm                    |
| Mating Cycles:                       | ≤ 100                                    |
| Ambient Temperature (Operation)*:    | - 40 °C - + 90 °C                        |
| Operating Temperature (UL):          | max. + 50 °C                             |
| Protection Degree / IP Rating**:     | IP65, IP67, 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)  |
| Contact Base Material:               | CuSn                                     |
| Contact Plating:                     | Cu/Au                                    |
| Contact Bearer Material:             | PA                                       |
| Contact Bearer Color:                | Black                                    |
| Flammability Class (Contact Bearer): | UL 94 V-0                                |
| Molded Body Material:                | TPU                                      |
| Molded Body Color:                   | Orange                                   |
| Flammability Class (Molded Body):    | UL 94 HB                                 |
| Attachment Material:                 | CuZn                                     |
| Attachment Plating:                  | Nickel-plated                            |
| Shielding Material:                  | CuZn, tin-plated                         |
| Fastening Torque (Attachment):       | M 12x1: (50-60) Ncm, hand-tight          |
| Note:                                | Do not connect or disconnect under load. |

Cable Data

|                                         |                     |
|-----------------------------------------|---------------------|
| Cable Number:                           | 288                 |
| Conductor Size:                         | 0.34 mm²            |
| Number of Wires:                        | 4                   |
| Minimal Bending Radius (Fixed Inst):    | > 5 x D             |
| Minimal Bending Radius (Flexible Inst): | > 10 x D            |
| Cycles (Bending):                       | > 5 M               |
| Cycles (Torsion):                       | > 1 M @ ± 180 °/1 m |
| Conductor material:                     | Cu                  |
| Cable Jacket Material:                  | PUR                 |
| Cable Jacket Color:                     | black               |
| Cable Diameter D:                       | ø 5.50 ± 0.20 mm    |
| Wire Insulation Material:               | PP                  |
| Insulated Wire Diameter:                | ø 1.30 mm           |

|                                           |                                                                                                                                                                                |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Overall Shield (Cable):                   | Mesh wire                                                                                                                                                                      |
| 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 |

Technical Data Side 2

|                                              |                                         |
|----------------------------------------------|-----------------------------------------|
| Product Sub Family, Side 2:                  | M12 Standard                            |
| Type of Contact / Gender, Side 2:            | Female                                  |
| Connector Design, Side 2:                    | Straight                                |
| Attachment Type, Side 2:                     | Coupling Nut                            |
| Number of Pins, Side 2:                      | 4                                       |
| Coding, Side 2:                              | A                                       |
| 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 - + 90 °C                       |
| Operating Temperature (UL), Side 2:          | max. + 50 °C                            |
| Protection Degree / IP Rating, Side 2**:     | IP65, IP67, IP69K                       |
| Design Standard, Side 2:                     | IEC 61076-2-101                         |
| Pollution Degree, Side 2:                    | 3 acc. to DIN EN 60664-1 (VDE 0110-1)   |
| Overvoltage Category, Side 2:                | III acc. to DIN EN 60664-1 (VDE 0110-1) |
| Contact Base Material, Side 2:               | CuSn                                    |
| Contact Plating, Side 2:                     | Cu/Au                                   |
| Contact Bearer Material, Side 2:             | PA                                      |
| Contact Bearer Color, Side 2:                | Black                                   |
| Flammability Class (Contact Bearer), Side 2: | UL 94 V-0                               |
| Molded Body Material, Side 2:                | TPU                                     |
| Molded Body Color, Side 2:                   | Orange                                  |
| Flammability Class (Molded Body), Side 2:    | UL 94 HB                                |
| Attachment Material, Side 2:                 | CuZn                                    |
| Attachment Plating, Side 2:                  | Nickel-plated                           |
| Shielding Material, Side 2:                  | CuZn, tin-plated                        |
| O-Ring Material, Side 2:                     | FKM, green                              |
| Fastening Torque (Attachment), Side 2:       | M 12x1: (50-60) Ncm, hand-tight         |

Approvals

|          |                |
|----------|----------------|
| UL-File: | E315587        |
| UL:      | UL 2238; cURus |

Safety & Environmental Compliance

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

Resistances

|                 |                                                 |
|-----------------|-------------------------------------------------|
| Halogenfree:    | DIN EN 50267-2-1, IEC 60754-1, VDE 0482-267-2-1 |
| Oil Resistance: | Good chemical and oil resistance                |

Notes

|                                     |                                                                                              |
|-------------------------------------|----------------------------------------------------------------------------------------------|
| Protection Degree / IP Rating Note: | ** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector. |
| Note Derating:                      | Notice derating                                                                              |

Variants

| Item # | Item Description        | Cable Length |
|--------|-------------------------|--------------|
| 46414  | RSTS 4-RKTS 4-288/0,3 M | 0.3 m        |
| 46415  | RSTS 4-RKTS 4-288/0,6 M | 0.6 m        |

|           |                         |       |
|-----------|-------------------------|-------|
| 46416     | RSTS 4-RKTS 4-288/1 M   | 1 m   |
| 49309     | RSTS 4-RKTS 4-288/5 M   | 5 m   |
| 49310     | RSTS 4-RKTS 4-288/1,5 M | 1.5 m |
| 49311     | RSTS 4-RKTS 4-288/3 M   | 3 m   |
| 59862     | RSTS 4-RKTS 4-288/15 M  | 15 m  |
| 66787     | RSTS 4-RKTS 4-288/7,5 M | 7.5 m |
| 68611     | RSTS 4-RKTS 4-288/20 M  | 20 m  |
| 89134     | RSTS 4-RKTS 4-288/25 M  | 25 m  |
| 105785    | RSTS 4-RKTS 4-288/30 M  | 30 m  |
| 105824    | RSTS 4-RKTS 4-288/45 M  | 45 m  |
| 109751    | RSTS 4-RKTS 4-288/2,5 M | 2.5 m |
| 934637051 | RSTS 4-RKTS 4-288/4 M   | 4 m   |
| 934637052 | RSTS 4-RKTS 4-288/6 M   | 6 m   |
| 47122     | RSTS 4-RKTS 4-288/10 M  | 10 m  |
| 17314     | RSTS 4-RKTS 4-288/12 M  | 12 m  |
| 46418     | RSTS 4-RKTS 4-288/2 M   | 2 m   |
| 14156     | RSTS 4-RKTS 4-288/3,5 M | 3.5 m |

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