



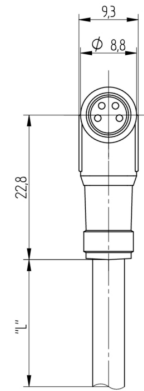
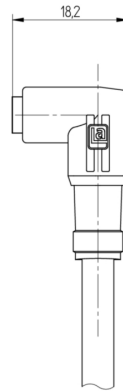
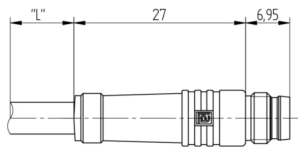
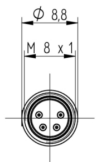
**Product:** [RSM 4-RKMW 4-225](#) 

Sensor/Actuator Double-Ended Cordset: Male straight A-coded translucent 4-pin M8 Snap-In connector to female angled A-coded translucent 4-pin M8 Snap-In connector, 30 V AC/DC, 4 A; PUR black cable, 4-wires, 0.34 mm<sup>2</sup>

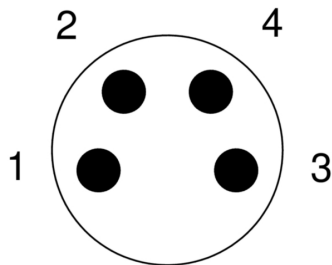
### Product Description

Sensor/Actuator Double-Ended Cordset: Male straight A-coded translucent 4-pin M8 Snap-In connector to female angled A-coded translucent 4-pin M8 Snap-In connector, 30 V AC/DC, 4 A; PUR black cable, 4-wires, 0.34 mm<sup>2</sup>

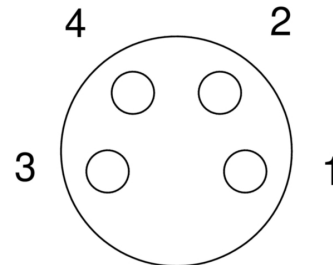
### Technical Drawing



## 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:             | Unshielded                   |
| Rated Voltage:         | 30 V                         |
| Rated Voltage (UL):    | 30 V AC/DC                   |
| Rated Impulse Voltage: | 0.8 kV                       |
| Operating Voltage:     | 30 V AC/DC                   |
| Rated Current*:        | 4 A                          |
| Rated Current (UL)*:   | 4 A                          |

Technical Data Side 1

|                                      |                                                                                                                       |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Product Sub Family:                  | M8 Snap-In                                                                                                            |
| Type of Contact / Gender:            | Male                                                                                                                  |
| Connector Design:                    | Straight                                                                                                              |
| Attachment Type:                     | Snap- and Screw-Locking                                                                                               |
| 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. + 70 °C                                                                                                          |
| Protection Degree / IP Rating**:     | IP65 (in combination with female M8 Snap-In connector); IP65, IP67 (in combination with female M8 Standard connector) |
| Design Standard:                     | IEC 61076-2-104                                                                                                       |
| 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:             | 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                                                                                                         |
| Note:                                | Do not connect or disconnect under load.                                                                              |

Cable Data

|                                           |                                 |
|-------------------------------------------|---------------------------------|
| Cable Number:                             | 225                             |
| 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):                         | > 5 M @ ± 360 °/1 m             |
| Conductor material:                       | Cu                              |
| Cable Jacket Material:                    | PUR                             |
| Cable Jacket Color:                       | black matt similarly RAL 9005   |
| Cable Diameter D:                         | ø 4.70 ± 0.15 mm                |
| Wire Insulation Material:                 | PP                              |
| Insulated Wire Diameter:                  | ø 1.30 ± 0.10 mm                |
| Ambient Temperature (Fixed Installation): | - 50 °C - + 90 °C (UL: + 80 °C) |
| Ambient Temperature (Flex Installation):  | - 25 °C - + 90 °C (UL: + 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:                 | Good microbes and hydrolysis resistance; Mainly plasticizer diffusion free; Exclusion of PVC and silicone; Coldness Flexibility; Free of lacquer wetting disturbing substances |

Technical Data Side 2

|                                              |                                         |
|----------------------------------------------|-----------------------------------------|
| Product Sub Family, Side 2:                  | M8 Snap-In                              |
| Type of Contact / Gender, Side 2:            | Female                                  |
| Connector Design, Side 2:                    | Angled                                  |
| Attachment Type, Side 2:                     | Snap-Locking                            |
| 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. + 70 °C                            |
| Protection Degree / IP Rating, Side 2**:     | IP65                                    |
| Design Standard, Side 2:                     | IEC 61076-2-104                         |
| 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:             | TPU                                     |
| Contact Bearer Color, Side 2:                | Orange                                  |
| Flammability Class (Contact Bearer), Side 2: | UL 94 HB                                |
| Molded Body Material, Side 2:                | TPU                                     |
| Molded Body Color, Side 2:                   | Translucent                             |
| Flammability Class (Molded Body), Side 2:    | UL 94 HB                                |

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 |
|--------------|-------------------------------------------------|

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 |
|--------|----------------------|--------------|
| 97150  | RSM 4-RKMW 4-225/3 M | 3 m          |
| 21404  | RSM 4-RKMW 4-225/6 M | 6 m          |

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