

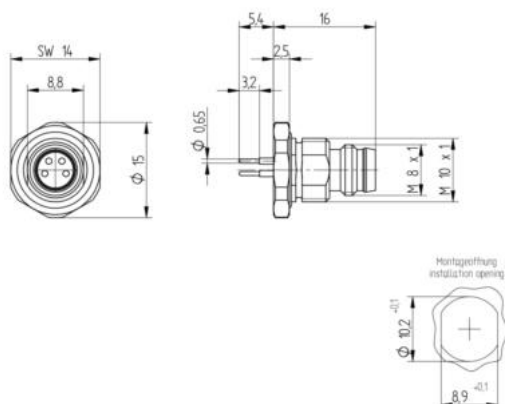
IMAGE  
COMING  
SOON**Product:** [RSMHL 4/S 5.5](#) 

M8 Standard Sensor/Actuator Receptacle Connector: Male, rear mount, M8 - mating side, print contacts - connecting side, 4-pin, A-coded, unshielded, metallic grey housing, 30 V AC/DC, 4 A

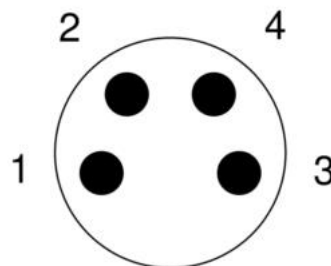
### Product Description

M8 Standard Sensor/Actuator Receptacle Connector: Male, rear mount, M8 - mating side, print contacts - connecting side, 4-pin, A-coded, unshielded, metallic grey housing, 30 V AC/DC, 4 A

### Technical Drawing



## Male



### Technical Specifications

#### Technical Data

|                           |                              |
|---------------------------|------------------------------|
| Product Family:           | Sensor / Actuator Connectors |
| Product Sub Family:       | M8 Standard                  |
| Mating Side:              | M8                           |
| Connecting Side:          | Print Contacts               |
| Brand:                    | Lumberg Automation           |
| Connector Type:           | Receptacle                   |
| Type of Contact / Gender: | Male                         |
| Connector Design:         | Rear Mount                   |
| Number of Pins:           | 4                            |
| Coding:                   | A                            |
| Shielding:                | Unshielded                   |
| Attachment Type:          | Snap- and Screw-Locking      |
| Rated Voltage:            | 30 V                         |
| Rated Impulse Voltage:    | 0.8 kV                       |
| Operating Voltage:        | 30 V AC/DC                   |
| Rated Current*:           | 4 A                          |
| Contact Resistance:       | ≤ 10 mOhm                    |
| Insulation Resistance:    | > 10 <sup>9</sup> Ohm        |
| Mating Cycles:            | ≤ 100                        |

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Type of Connection:               | PCB                                     |
| Thread Size:                      | M10x1                                   |
| Thread Material:                  | CuZn                                    |
| Thread Plating:                   | Nickel-plated                           |
| Ambient Temperature (Operation)*: | - 40 °C - + 85 °C                       |
| Protection Degree / IP Rating**:  | IP67                                    |
| 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) |

Materials

|                                      |           |
|--------------------------------------|-----------|
| Contact Base Material:               | CuZn      |
| Contact Plating:                     | Cu/Au     |
| Contact Bearer Material:             | PA        |
| Contact Bearer Color:                | Black     |
| Flammability Class (Contact Bearer): | UL 94 V-0 |
| Potted:                              | Yes       |
| Housing Material:                    | CuZn      |
| Housing Plating:                     | Cu/Ni     |
| Housing Color:                       | Silver    |
| Attachment Material:                 | CuZn      |
| Attachment Plating:                  | Cu/Ni     |
| O-Ring Material:                     | NBR       |

Additional Technical Data

|                                |                           |
|--------------------------------|---------------------------|
| Fastening Torque (Attachment): | M 8x1: 30 Ncm, hand-tight |
|--------------------------------|---------------------------|

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 connector. On the installation side tightness has to be assured by taking proper measures. |

Variants

| Item # | Item Description |
|--------|------------------|
| 48962  | RSMHL 4/S 5,5    |

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