



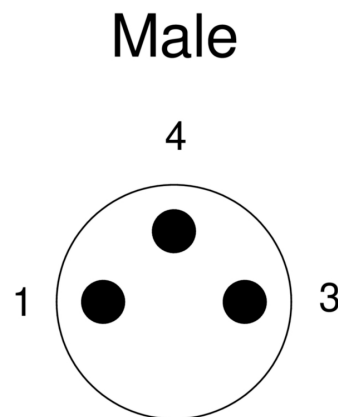
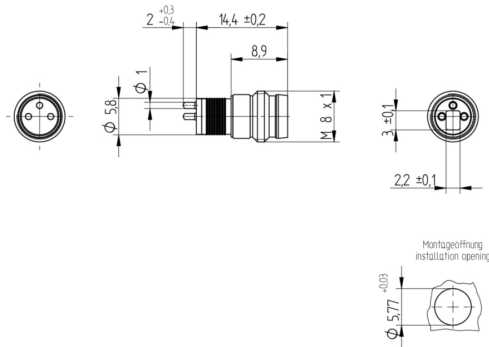
**Product:** [RSMEB.3](#)

M8 Insert Sensor/Actuator Receptacle Connector: Male, insert with light indicator windows, M8 - mating side, print contacts - connecting side, 3-pin, A-coded, unshielded, metallic grey housing, 50 AC / 60 DC, 4 A

## Product Description

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## Technical Drawing



## Technical Specifications

### Technical Data

|                           |                                     |
|---------------------------|-------------------------------------|
| Product Family:           | Sensor / Actuator Connectors        |
| Product Sub Family:       | M8 Insert                           |
| Mating Side:              | M8                                  |
| Connecting Side:          | Print Contacts                      |
| Brand:                    | Lumberg Automation                  |
| Connector Type:           | Receptacle                          |
| Type of Contact / Gender: | Male                                |
| Connector Design:         | Insert with Light Indicator Windows |
| Number of Pins:           | 3                                   |
| Coding:                   | A                                   |
| Shielding:                | Unshielded                          |
| Attachment Type:          | Snap- and Screw-Locking             |
| Rated Voltage:            | 60 V                                |
| Rated Voltage (UL):       | 30 V AC/DC                          |
| Rated Impulse Voltage:    | 1.5 kV                              |
| Operating Voltage:        | 50 AC / 60 DC                       |
| Rated Current*:           | 4 A                                 |
| Rated Current (UL)*:      | 4 A                                 |
| Contact Resistance:       | ≤ 10 mOhm                           |

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Insulation Resistance:            | > 10^9 Ohm                              |
| Mating Cycles:                    | ≤ 100                                   |
| Type of Connection:               | PCB                                     |
| Ambient Temperature (Operation)*: | - 25 °C - + 90 °C                       |
| Operating Temperature (UL):       | max. + 75 °C                            |
| Protection Degree / IP Rating**:  | IP65, 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:                | Transparent |
| Flammability Class (Contact Bearer): | UL 94 V-2   |
| Potted:                              | no          |
| Housing Material:                    | CuZn        |
| Housing Plating:                     | Cu/Ni       |
| Housing Color:                       | Silver      |
| Attachment Material:                 | CuZn        |
| Attachment Plating:                  | Cu/Ni       |

Additional Technical Data

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

Approvals

|          |             |
|----------|-------------|
| UL-File: | E104696     |
| UL:      | UL 2238; UR |

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 |
|--------|------------------|
| 11655  | RSMEB 3          |

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