

## Product: [RKMEXS-8M-GS/A L](#)

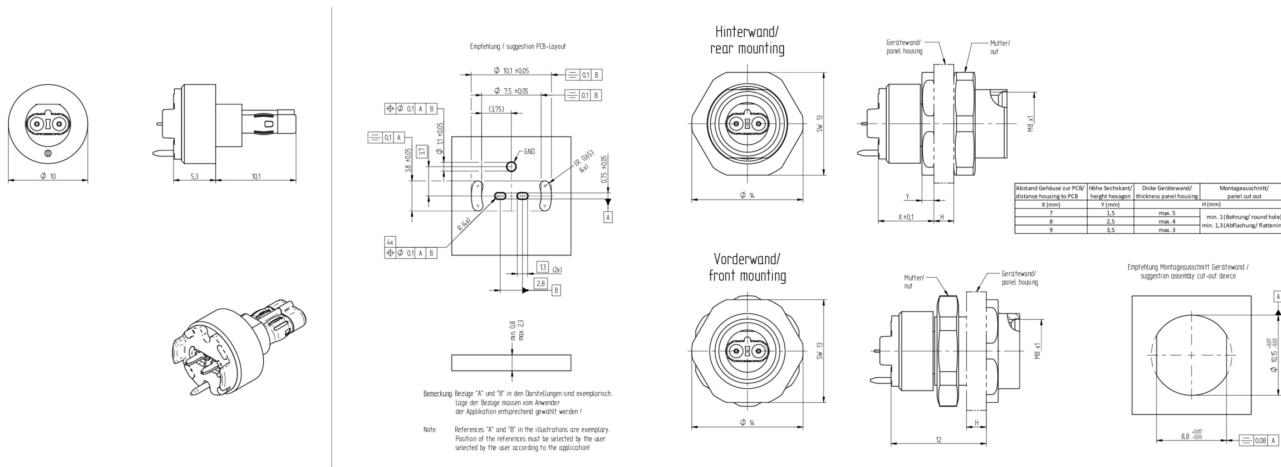
SPE M8 PCB insert, straight, 7/8/9 mm, soldering in plastic bag package



### Product Description

SPE M8 PCB insert, straight, 7/8/9 mm, soldering in plastic bag package

### Technical Drawing



### Technical Specifications

#### Technical Data

|                               |   |
|-------------------------------|---|
| Product Family:               | SPE Receptacles   |
| Product Sub Family:           | SPE Receptacle M8 Insert                                    |
| Connecting Side:              | Soldering   |
| Brand:                        | Lumberg Automation  |
| Type of Contact / Gender:     | Female  |
| Connector Design:             | Straight  |
| Number of Pins:               | 2   |
| Coding:                       | SPE-6J-M8   |
| Shielding:                    | Shielded  |
| Rated Voltage:                | 60 V  |
| Rated Voltage (UL):           | 60 V AC/DC  |
| Operating Voltage:            | 50 V AC / 60 V DC   |
| Rated Current*:               | 4 A   |
| Rated Current (UL)*:          | 4 A   |
| Contact Resistance:           | $\leq 10 \text{ mOhm}$                                      |
| Insulation Resistance:        | $> 5 \times 10^8 \text{ Ohm}$                               |
| Testing Voltage Pin - Pin:    | 1 kV DC   |
| Testing Voltage Pin - Shield: | 2.25 kV DC  |
| Transmission characteristics: | 4 GHz   |
| Data Rate:                    | 10 Mbit/s 100 Mbit/s 1 Gbit/s 2.5 Gbit/s 5 Gbit/s 10 Gbit/s |
| Mating Cycles:                | $\leq 100$  |

|                                   |  |
|-----------------------------------|--|
| Thread Plating:                   | Nickel-plated  |
| Ambient Temperature (Operation)*: | - 40°C - +90°C   |
| Operating Temperature (UL):       | max. + 90 °C   |
| Design Standard:                  | IEC 63171-6, IEEE 802.3bu (remote power supply over PoDL = Power over Data Line), IEEE 802.3cg (10BASE-T1) |
| Pollution Degree:                 | 3 acc. to DIN EN 60664-1 (VDE 0110-1)  |

## Materials

|                                      |           |
|--------------------------------------|-----------|
| Contact Base Material:               | Cu alloy  |
| Contact Plating:                     | Cu/Au     |
| Contact Bearer Material:             | PA        |
| Contact Bearer Color:                | Black     |
| Flammability Class (Contact Bearer): | UL 94 V-0 |
| O-Ring Material:                     | FKM       |

## Approvals

|     |                |
|-----|----------------|
| UL: | UL 2238; cULus |
|-----|----------------|

## Safety & Environmental Compliance

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

## Notes

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

## Variants

| Item #    | Item Description |
|-----------|------------------|
| 935082001 | RKMEXS-8M-GS/A L |

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