

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

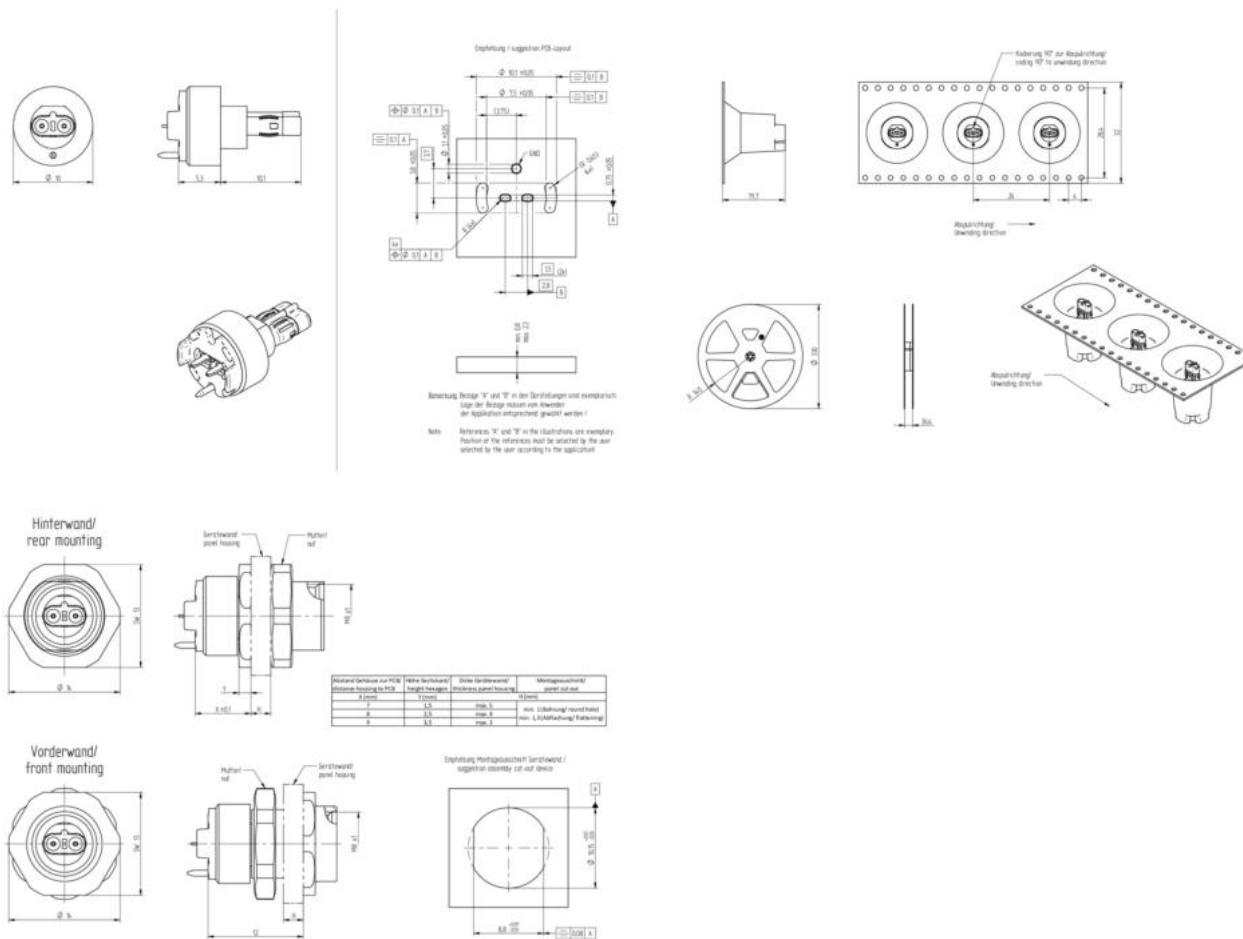


SPE M8 PCB insert, straight, 7/8/9 mm, soldering in reel package

## Product Description

SPE M8 PCB insert, straight, 7/8/9 mm, soldering in reel 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:               | ≤ 10 mOhm  |
| Insulation Resistance:            | > 5x10^8 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:                    | ≤ 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 |
|-----------|------------------|
| 935082002 | RKMEXS-8M-GS/A R |

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