

**Product:** [HKMH1S-8M-GP/9 S](#)

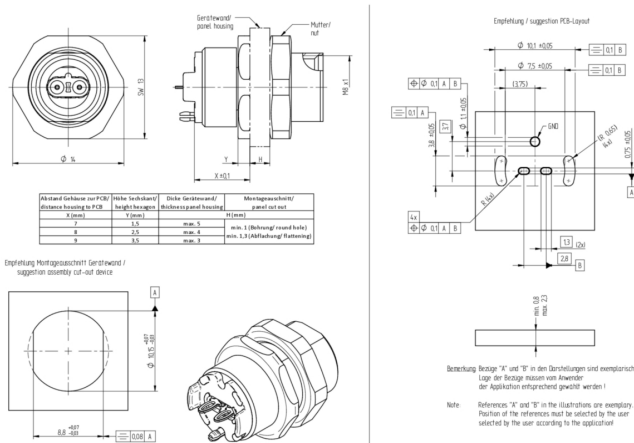


SPE M8 SPE PCB insert, straight, pressfit, rear wall mounting screw, 9 mm, in sample package

**Product Description**

SPE M8 SPE PCB insert, straight, pressfit, rear wall mounting screw, 9 mm, in sample package

**Technical Drawing**



**Technical Specifications**

**Technical Data**

|                                |                                                             |
|--------------------------------|-------------------------------------------------------------|
| Product Family:                | SPE Receptacles                                             |
| Side 1 Product Sub Family:     | SPE Receptacle M8                                           |
| Mating Side:                   | Screw-Locking                                               |
| Connecting Side:               | Pressfit                                                    |
| Brand:                         | Lumberg Automation                                          |
| Side 1 Type of Contact/Gender: | Female                                                      |
| Connector Design:              | Straight                                                    |
| Number of Pins:                | 2                                                           |
| Coding, Side 1:                | SPE-6J-M8                                                   |
| Shielding Type:                | Shielded                                                    |
| Voltage Rating:                | 60 V                                                        |
| Rated Voltage (UL):            | 60 V AC/DC                                                  |
| Operating Voltage:             | <math>\leq 50 V AC / 60 V DC</math>                         |
| Current Rating:                | 4 A                                                         |
| Rated Current (UL)*:           | 4 A                                                         |
| Side 1 Contact Resistance:     | $\leq 10 m\Omega$                                           |
| Insulation Resistance:         | $> 5 \times 10^8 \Omega$                                    |
| 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                                                                                                      |
| Type of Connection:               | Screw-Locking                                                                                              |
| Thread Size:                      | M10 x 0.5                                                                                                  |
| Thread Plating:                   | Nickel-plated                                                                                              |
| Ambient Temperature (Operation)*: | - 40°C - +90°C                                                                                             |
| Operating Temperature (UL):       | max. + 90 °C                                                                                               |
| Protection Degree / IP Rating**:  | IP65, IP67                                                                                                 |
| Side 1 Design Standard:           | IEC 63171-6, IEEE 802.3bu (remote power supply over PoDL = Power over Data Line), IEEE 802.3cg (10BASE-T1) |
| Side 1 Pollution Degree:          | 3 acc. to DIN EN 60664-1 (VDE 0110-1)                                                                      |

## Materials

|                                      |           |
|--------------------------------------|-----------|
| Contact Base Material:               | Cu alloy  |
| Side 1 Contact Plating:              | Cu/Au     |
| Contact Bearer Material:             | PA        |
| Contact Bearer Color:                | Black     |
| Flammability Class (Contact Bearer): | UL 94 V-0 |
| O-Ring Material:                     | FKM       |

## Additional Technical Data

|                                |                           |
|--------------------------------|---------------------------|
| Fastening Torque (Attachment): | M 8x1: 40 Ncm, hand-tight |
| Fastening torque (housing):    | M 10x0.5: 80-100 Ncm      |

## 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. |
|-------------------------------------|----------------------------------------------------------------------------------------------|

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