

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

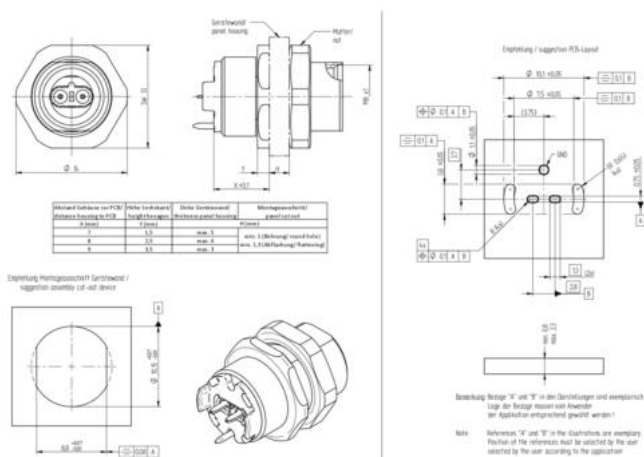


SPE M8 SPE PCB insert, straight, soldering, rear wall mounting screw, 9 mm,  
in sample package

## Product Description

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

## Technical Drawing



## Technical Specifications

## Technical Data

|                               |                                                             |
|-------------------------------|-------------------------------------------------------------|
| Product Family:               | SPE Receptacles                                             |
| Product Sub Family:           | SPE Receptacle M8                                           |
| Mating Side:                  | Screw-Locking                                               |
| 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                                                                                                      |
| 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                                                                                                 |
| 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       |

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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