

**Product:** [HKMF1S-8M-GS/12 S](#) 



SPE M8 SPE PCB insert, straight, soldering, front wall mounting screw, 12 mm, in sample package

**Product Description**

SPE M8 SPE PCB insert, straight, soldering, front wall mounting screw, 12 mm, in sample package

**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   |
| Operating Voltage:                | 50 V AC / 60 V DC  |
| Rated Current*:                   | 4 A  |
| Contact Resistance:               | ≤ 10 mOhm  |
| Insulation Resistance:            | > 5x10 <sup>8</sup> 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   |
| 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 |
|-----------------------------|----------------------|

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  |
|-----------|-------------------|
| 935103001 | HKMF1S-8M-GS/12 S |

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