

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 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
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
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Fastening torque (housing):	M 10x0.5: 80-100 Ncm
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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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Variants

Item #	Item Description
935103001	HKMF1S-8M-GS/12 S

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