

Product Family:	SPE Receptacles
Product Sub Family:	SPE Receptacle M12 Insert
Connecting Side:	Soldering
Brand:	Lumberg Automation
Type of Contact / Gender:	Female
Connector Design:	Straight
Number of Pins:	2
Shielding:	Shielded
Rated Voltage:	60 V
Operating Voltage:	50 V AC / 60 V DC
Rated Current*:	4 A
Contact Resistance:	≤ 20 mOhm
Shielding Resistance:	≤ 100 mOhm
Insulation Resistance:	> 5x10 ⁸ Ohm
Testing Voltage Pin - Pin:	1 kV DC
Testing Voltage Pin - Shield:	2.25 kV DC
Transmission characteristics:	600 MHz
Data Rate:	10 Mbit/s 100 Mbit/s 1 Gbit/s 2.5 Gbit/s 5 Gbit/s 10 Gbit/s
Mating Cycles:	≥ 1000
Thread Size:	M12 x 1
Thread Plating:	Nickel-plated

Ambient Temperature (Operation)*:	- 40°C - +85°C
Protection Degree / IP Rating**:	IP20
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)
Moisture Sensitivity Level (MSL):	1 acc. ECA/IPC/JEDEC J-STD-020D
Process Sensitivity Level (PSL):	R0 acc. ECA/IPC/JEDEC J-STD-020D

Additional Technical Data

Fastening Torque (Attachment):	M 12x1: 60 Ncm, hand-tight
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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
935077008	RK2E2S-LL-GS/B T

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