

**Product:** [RK2EXS-LL-WS/A R](#) 

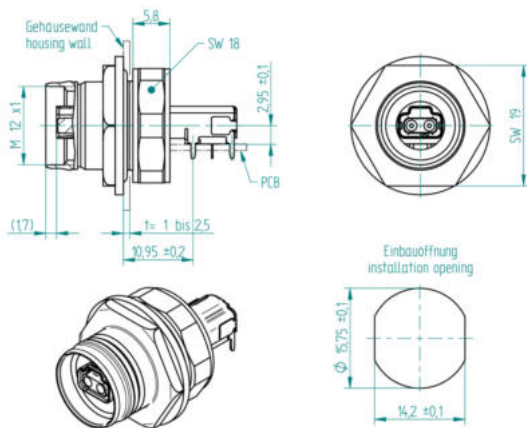
SPE M12 PCB angled soldering insert, in reel package



**Product Description**

SPE M12 SPE PCB insert, angled, soldering, in reel package

**Technical Drawing**



**Technical Specifications**

**Technical Data**

|                               |                                                             |
|-------------------------------|-------------------------------------------------------------|
| Product Family:               | SPE Receptacles                                             |
| Product Sub Family:           | SPE Receptacle M12 Insert                                   |
| Connecting Side:              | Soldering                                                   |
| Brand:                        | Lumberg Automation                                          |
| Type of Contact / Gender:     | Female                                                      |
| Connector Design:             | Angled                                                      |
| 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 <sup>8</sup> 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 |
|--------------------------------|----------------------------|

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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