

## SPE PCB connector - SPE-T1-M8MSM-180 - 1163793

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SPE PCB connector, type: IEC 63171-5, degree of protection: IP65/IP67, number of positions: 2, CAT B (ISO/IEC 63171), connection method: THR solder connection, Single Pair Ethernet

### Your advantages

- ✓ Connectors in accordance with IEC 63171-5
- ✓ THR solderable
- ✓ Data transmission up to 600 MHz

RoHS

### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 pc                                                                                                    |
| Minimum order quantity               | 100 pc                                                                                                  |
| GTIN                                 | <br>4 063151 176617 |
| GTIN                                 | 4063151176617                                                                                           |
| Weight per Piece (excluding packing) | 5.600 g                                                                                                 |
| Custom tariff number                 | 85366990                                                                                                |
| Country of origin                    | Germany                                                                                                 |

### Technical data

#### Dimensions

|        |         |
|--------|---------|
| Width  | 10.1 mm |
| Height | 24 mm   |
| Length | 14.5 mm |

#### Ambient conditions

|                                         |                  |
|-----------------------------------------|------------------|
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |
|-----------------------------------------|------------------|

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## Technical data

### Ambient conditions

|                                 |                                                             |
|---------------------------------|-------------------------------------------------------------|
| Ambient temperature (operation) | -40 °C ... 85 °C                                            |
| Degree of protection            | IP65/IP67 (in combination with M8 housing screw connection) |

### General

|                                         |                       |
|-----------------------------------------|-----------------------|
| Number of positions                     | 2                     |
| Insulation resistance                   | > 1 TΩ                |
| Overvoltage category                    | I                     |
| Degree of pollution                     | 2                     |
| Connection method                       | THR solder connection |
| Transmission characteristics (category) | CAT B (ISO/IEC 63171) |
| Halogen-free                            | yes                   |
| Resistance to oil                       | yes                   |
| Flame resistance                        | UL 94 V0              |
| Locking type                            | Screw locking         |
| Rated voltage (III/2)                   | 72 V DC               |
| Rated current                           | 4 A                   |
| Type                                    | SPE                   |

### Material

|                                        |              |
|----------------------------------------|--------------|
| Flammability rating according to UL 94 | V0           |
| Contact material                       | Copper alloy |
| Contact surface material               | Gold         |
| Contact carrier material               | LCP          |

### Cable

|                          |           |
|--------------------------|-----------|
| Test voltage Core/Core   | 1000 V DC |
| Test voltage Core/Shield | 2250 V DC |
| Flame resistance         | UL 94 V0  |
| Halogen-free             | yes       |
| Resistance to oil        | yes       |

### Connection data for connection 1

|                          |                     |
|--------------------------|---------------------|
| Rated current            | 4 A                 |
| Rated voltage (III/2)    | 72 V DC             |
| Specification            | IEC 60068-2-58      |
|                          | IPC-A-610           |
|                          | IPC/JEDEC J-STD-020 |
| Moisture Sensitive Level | MSL1                |

## Standards and Regulations

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### Technical data

#### Standards and Regulations

|                                        |          |
|----------------------------------------|----------|
| Flame resistance                       | UL 94 V0 |
| Resistance to oil                      | yes      |
| Halogen-free                           | yes      |
| Flammability rating according to UL 94 | V0       |

### Classifications

#### eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27440390 |
| eCl@ss 11.0   | 27440390 |
| eCl@ss 9.0    | 27440402 |

### Accessories

#### Accessories

##### Panel mounting base

Housing screw connection - SACC-FP-M-M8/M10 SMD - 1412502



M8 pin, front mounting SMD with M10 screw fastening

Housing screw connection - SACC-BP-M-M8/M12 SMD - 1412505



M8 pin, rear mounting