

M12-PCB-THR-2PC-5P-KCOD-M-STR-SHLD



Image is for illustration purposes only. Please refer to product description.

| | |
|--------------------|---|
| Part number | 21 03 309 1505 407 |
| Specification | M12-PCB-THR-2PC-5P-KCOD-M-STR-SHLD |
| HARTING eCatalogue | https://b2b.harting.com/21033091505407 |

Identification

| | |
|----------------|-------------------------|
| Category | Connectors |
| Series | Circular connectors M12 |
| Identification | Power |
| Element | PCB adapter |
| Specification | Straight |

Version

| | |
|-----------------------------------|------------------------------------|
| Termination method | Reflow soldering termination (THR) |
| Gender | Male |
| Shielding | Shielded |
| Number of contacts | 5 |
| Number of power contacts | 4 |
| Number of special contacts | 1 |
| Specification of special contacts | PE contact |
| Coding | K-coding |
| Details | Order housings separately |
| Pack contents | 30 pieces in a carton box |

Technical characteristics

| | |
|-----------------------|-------|
| Rated current | 12 A |
| Rated voltage | 630 V |
| Rated impulse voltage | 6 kV |
| Pollution degree | 3 |



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Technical characteristics

| | |
|-----------------------|-----------------------------|
| Overvoltage category | III |
| Insulation resistance | $>10^8 \Omega$ |
| Contact resistance | $\leq 10 \text{ m}\Omega$ |
| Limiting temperature | -40 ... +125 °C |
| Mating cycles | ≥ 100 |
| Isolation group | I ($600 \leq \text{CTI}$) |

Material properties

| | |
|---|------------------------|
| Material (insert) | Polyamide (PA) |
| Material (contacts) | Copper alloy |
| Surface (contacts) | Au over Ni Mating side |
| Material flammability class acc. to UL 94 | V-0 |

Specifications and approvals

| | |
|----------------|-----------------|
| Specifications | IEC 61076-2-111 |
|----------------|-----------------|

Commercial data

| | |
|--------------------------------|--|
| Packaging size | 30 |
| Net weight | 10 g |
| Country of origin | Romania |
| European customs tariff number | 85366990 |
| GTIN | 5713140228344 |
| eCl@ss | 27460201 PCB connector (board connector) |

Current carrying capacity

The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (non-intermittent) through each contact element of the connector evenly, without exceeding the allowed maximum temperature.

Measuring and testing techniques acc. to IEC 60512-5-2

