

## M12-PCB-SMT-2PC-8P-ACOD-M-STR-SHLD



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

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| Part number        | 21 03 321 1802                                                                        |
| Specification      | M12-PCB-SMT-2PC-8P-ACOD-M-STR-SHLD                                                    |
| HARTING eCatalogue | <a href="https://b2b.harting.com/21033211802">https://b2b.harting.com/21033211802</a> |

### Identification

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

### Version

|                    |                                    |
|--------------------|------------------------------------|
| Termination method | Reflow soldering termination (SMT) |
| Gender             | Male                               |
| Shielding          | Shielded                           |
| Number of contacts | 8                                  |
| Coding             | A-coding                           |
| Details            | Order housings separately          |

### Technical characteristics

|                       |                           |
|-----------------------|---------------------------|
| Rated current         | 2 A                       |
| Rated voltage         | 30 V                      |
| Pollution degree      | 3                         |
| Overvoltage category  | III                       |
| Insulation resistance | $>10^8 \Omega$            |
| Contact resistance    | $\leq 10 \text{ m}\Omega$ |
| Limiting temperature  | -40 ... +85 °C            |
| Mating cycles         | $\geq 100$                |



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## Technical characteristics

|                 |                      |
|-----------------|----------------------|
| Isolation group | I ( $600 \leq CTI$ ) |
|-----------------|----------------------|

## Material properties

|                                           |                                                        |
|-------------------------------------------|--------------------------------------------------------|
| Material (insert)                         | Liquid crystal polymer (LCP)                           |
| Material (contacts)                       | Copper alloy                                           |
| Surface (contacts)                        | Au over Ni Mating side                                 |
| Material flammability class acc. to UL 94 | V-0                                                    |
| RoHS                                      | compliant with exemption                               |
| RoHS exemptions                           | 6(c): Copper alloy containing up to 4 % lead by weight |
| ELV status                                | compliant with exemption                               |
| China RoHS                                | 50                                                     |
| REACH Annex XVII substances               | Not contained                                          |
| REACH ANNEX XIV substances                | Not contained                                          |
| REACH SVHC substances                     | Yes                                                    |
| REACH SVHC substances                     | Lead                                                   |
| ECHA SCIP number                          | 0d7d3693-d625-47ab-934a-d241bf72c86e                   |
| California Proposition 65 substances      | Yes                                                    |
| California Proposition 65 substances      | Lead<br>Nickel                                         |

## Specifications and approvals

|                |                 |
|----------------|-----------------|
| Specifications | IEC 61076-2-101 |
|----------------|-----------------|

## Commercial data

|                                |                                          |
|--------------------------------|------------------------------------------|
| Packaging size                 | 25                                       |
| Net weight                     | 3.4 g                                    |
| Country of origin              | Germany                                  |
| European customs tariff number | 85366990                                 |
| eCl@ss                         | 27460201 PCB connector (board connector) |