

## M12-PCB-SMT-2PC-8P-ACOD-F-STR



|                    |   |
|--------------------|---|
| Part number        | 21 03 311 2810  |
| Specification      | M12-PCB-SMT-2PC-8P-ACOD-F-STR   |
| HARTING eCatalogue | <a href="https://b2b.harting.com/21033112810">https://b2b.harting.com/21033112810</a> |

### Identification

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

### Version

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

### Technical characteristics

|                       |                             |
|-----------------------|-----------------------------|
| Rated current         | 2 A                         |
| Rated voltage         | 30 V                        |
| Pollution degree      | 3                           |
| Insulation resistance | $>10^8 \Omega$              |
| Contact resistance    | $\leq 10 \text{ m}\Omega$   |
| Ambient temperature   | -40 ... +85 °C              |
| Mating cycles         | $\geq 100$                  |
| Overvoltage category  | III                         |
| Isolation group       | I ( $600 \leq \text{CTI}$ ) |



Pushing Performance

## Material properties

|                             |  |
|-----------------------------|--|
| Material (insert)           | Liquid crystal polymer (LCP)                           |
| Material (contacts)         | Copper alloy   |
| Surface (contacts)          | Gold plated  |
| 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 | No   |
| REACH ANNEX XIV substances  | No   |
| REACH SVHC substances       | Yes  |
| REACH SVHC substances       | Lead   |

## Specifications and approvals

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

## Commercial data

|                                |                        |
|--------------------------------|------------------------|
| Packaging size                 | 25                     |
| Net weight                     | 2.346 g                |
| Country of origin              | Germany                |
| European customs tariff number | 85366990               |
| eCl@ss                         | 27440402 PCB connector |