



Pushing Performance

## M12-PCB-SMT-2PC-8P-ACOD-M-STR(75)



|                    |   |
|--------------------|---|
| Part number        | 21 03 311 1816  |
| Specification      | M12-PCB-SMT-2PC-8P-ACOD-M-STR(75)   |
| HARTING eCatalogue | <a href="https://b2b.harting.com/21033111816">https://b2b.harting.com/21033111816</a> |

### Identification

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

### Version

|                    |                                    |
|--------------------|------------------------------------|
| Termination method | Reflow soldering termination (SMT) |
| Gender             | Male                               |
| Shielding          | Unshielded                         |
| Number of contacts | 8                                  |
| Coding             | A-coding                           |
| Pack contents      | Tape & reel                        |

### Technical characteristics

|                       |                           |
|-----------------------|---------------------------|
| Rated current         | 2 A                       |
| Rated voltage         | 30 V                      |
| Rated impulse voltage | 1.5 kV                    |
| 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                       |



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## Technical characteristics

Isolation group I ( $600 \leq CTI$ )

## Material properties

|                             |  |
|-----------------------------|--|
| Material (insert)           | LCP  |
| Material (contacts)         | Copper alloy   |
| Surface (contacts)          | Gold plated  |
| RoHS                        | compliant with exemption                             |
| RoHS exemptions             | 6c: 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                 | 1                      |
| Net weight                     | 0.1 g                  |
| Country of origin              | Germany                |
| European customs tariff number | 85366990               |
| eCl@ss                         | 27440402 PCB connector |