

# M12-PCB-SMT-2PC-8P-XCOD-F-STR-SHLD(75)



| ````               | ,                                          |
|--------------------|--------------------------------------------|
| Part number        | 21 03 381 2821                             |
| Specification      | M12-PCB-SMT-2PC-8P-XCOD-F-STR-<br>SHLD(75) |
| HARTING eCatalogue | https://b2b.harting.com/21033812821        |

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

## Identification

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

## Version

| Termination method | Reflow soldering termination (SMT) |
|--------------------|------------------------------------|
| Gender             | Female                             |
| Shielding          | Shielded                           |
| Number of contacts | 8                                  |
| Coding             | X-coding                           |
| Details            | Order housings separately          |
| Pack contents      | 75 pieces on reel                  |

#### **Technical characteristics**

| Rated current                | 0.5 A                                                         |
|------------------------------|---------------------------------------------------------------|
| Rated voltage                | 48 V                                                          |
| Pollution degree             | 3                                                             |
| Transmission characteristics | Cat. 6 <sub>A</sub> Class E <sub>A</sub> up to 500 MHz        |
|                              |                                                               |
| Data rate                    | 10 Mbit/s<br>100 Mbit/s<br>1 Gbit/s<br>2.5 Gbit/s<br>5 Gbit/s |

Page 1 / 2 | Creation date 2022-10-26 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany

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## Technical characteristics

| Insulation resistance | >10 <sup>8</sup> Ω |
|-----------------------|--------------------|
| Limiting temperature  | -40 +85 °C         |
| Mating cycles         | ≥100               |

## 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                                                   |
|                                           |                                                        |

# Specifications and approvals

| Specifications                 | IEC 61076-2-109                          |
|--------------------------------|------------------------------------------|
|                                |                                          |
| Commercial data                |                                          |
| Packaging size                 | 1                                        |
| Net weight                     | 8.56 g                                   |
| Country of origin              | Czechia                                  |
| European customs tariff number | 85366990                                 |
| GTIN                           | 5713140228818                            |
| eCl@ss                         | 27460201 PCB connector (board connector) |

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