

# M12 panel feedthrough/PCB angled D-cod.

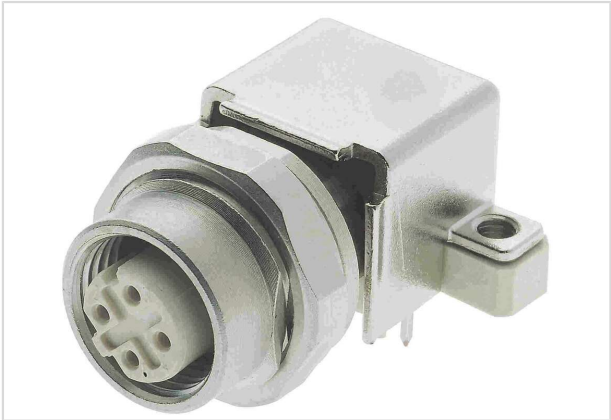


Image is for illustration purposes only. Please refer to product description.

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| Part number        | 21 03 381 4432                                                                        |
| Specification      | M12 panel feedthrough/PCB angled D-cod.                                               |
| HARTING eCatalogue | <a href="https://b2b.harting.com/21033814432">https://b2b.harting.com/21033814432</a> |

## Identification

|                             |                             |
|-----------------------------|-----------------------------|
| Category                    | Connectors                  |
| Series                      | Circular connectors M12     |
| Element                     | PCB adapter                 |
| Specification               | Angled<br>for rear mounting |
| Description of hood/housing | With fixing hole            |

## Version

|                    |                                                                                  |
|--------------------|----------------------------------------------------------------------------------|
| Termination method | Reflow soldering termination (THR)                                               |
| Gender             | Female                                                                           |
| Shielding          | Shielded                                                                         |
| Number of contacts | 4                                                                                |
| Coding             | D-coding                                                                         |
| Locking type       | Screw locking                                                                    |
| Details            | Coding bottom left = Cable entry direction on the angled connector: to the right |

## Technical characteristics

|                              |                              |
|------------------------------|------------------------------|
| Rated current                | 4 A                          |
| Rated voltage                | 50 V                         |
| Rated impulse voltage        | 1.5 kV                       |
| Pollution degree             | 3                            |
| Transmission characteristics | Cat. 5 Class D up to 100 MHz |
| Overvoltage category         | III                          |



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## Technical characteristics

|                                        |                             |
|----------------------------------------|-----------------------------|
| Data rate                              | 10 Mbit/s<br>100 Mbit/s     |
| Insulation resistance                  | $>10^8 \Omega$              |
| Contact resistance                     | $\leq 10 \text{ m}\Omega$   |
| Tightening torque                      | 2 Nm Lock nut               |
| Limiting temperature                   | -40 ... +85 °C              |
| Mating cycles                          | $\geq 100$                  |
| Degree of protection acc. to IEC 60529 | IP67 mated condition        |
| Isolation group                        | I ( $600 \leq \text{CTI}$ ) |

## Material properties

|                                           |                                                        |
|-------------------------------------------|--------------------------------------------------------|
| Material (insert)                         | Liquid crystal polymer (LCP)                           |
| Material (contacts)                       | Copper alloy                                           |
| Surface (contacts)                        | Au over Ni Mating side                                 |
| Material (hood/housing)                   | Zinc die-cast                                          |
| 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                                         |
| Fire protection on railway vehicles       | EN 45545-2 (2020-08)                                   |
| Requirement set with Hazard Levels        | R26                                                    |

## Specifications and approvals

|                |                                                            |
|----------------|------------------------------------------------------------|
| Specifications | IEC 61076-2-101                                            |
| UL / CSA       | UL 1977 ECBT2.E235076<br>CSA-C22.2 No. 182.3 ECBT8.E235076 |



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Specifications and approvals

|          |     |
|----------|-----|
| PROFINET | Yes |
|----------|-----|

Commercial data

|                                |                                          |
|--------------------------------|------------------------------------------|
| Packaging size                 | 10                                       |
| Net weight                     | 22.4 g                                   |
| Country of origin              | Romania                                  |
| European customs tariff number | 85366990                                 |
| GTIN                           | 5713140138377                            |
| ETIM                           | EC002637                                 |
| eCl@ss                         | 27460201 PCB connector (board connector) |