

# M8-PCB-THT-2PC-4P-DCOD-F-ANG-SHLD



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

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| Part number        | 21 42 000 0020                                                                        |
| Specification      | M8-PCB-THT-2PC-4P-DCOD-F-ANG-SHLD                                                     |
| HARTING eCatalogue | <a href="https://b2b.harting.com/21420000020">https://b2b.harting.com/21420000020</a> |

## Identification

|                             |                             |
|-----------------------------|-----------------------------|
| Category                    | Connectors                  |
| Series                      | Circular connectors M8      |
| Element                     | PCB connector               |
| Specification               | Angled<br>for rear mounting |
| Description of hood/housing | 7 mm                        |

## Version

|                    |                            |
|--------------------|----------------------------|
| Termination method | Wave soldering termination |
| Gender             | Female                     |
| Shielding          | Shielded                   |
| Number of contacts | 4                          |
| Coding             | D-coding                   |

## Technical characteristics

|                              |                              |
|------------------------------|------------------------------|
| Rated current                | 4 A                          |
| Rated voltage                | 60 V                         |
| Rated impulse voltage        | 1.5 kV                       |
| Pollution degree             | 3                            |
| Transmission characteristics | Cat. 5 Class D up to 100 MHz |
| Data rate                    | 10 Mbit/s<br>100 Mbit/s      |
| Insulation resistance        | $>10^8 \Omega$               |
| Contact resistance           | $\leq 10 \text{ m}\Omega$    |



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## Technical characteristics

|                                        |                |
|----------------------------------------|----------------|
| Tightening torque                      | 1 Nm Lock nut  |
| Limiting temperature                   | -40 ... +85 °C |
| Mating cycles                          | ≥100           |
| Degree of protection acc. to IEC 60529 | IP67           |

## Material properties

|                                      |                                                        |
|--------------------------------------|--------------------------------------------------------|
| Material (contacts)                  | Copper alloy                                           |
| Surface (contacts)                   | Au over Ni Mating side                                 |
| 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                                                   |
| Fire protection on railway vehicles  | EN 45545-2 (2020-08)                                   |
| Requirement set with Hazard Levels   | R26                                                    |

## Specifications and approvals

|                |                 |
|----------------|-----------------|
| Specifications | IEC 61076-2-114 |
|----------------|-----------------|

## Commercial data

|                                |                                          |
|--------------------------------|------------------------------------------|
| Packaging size                 | 1                                        |
| Net weight                     | 25.6 g                                   |
| Country of origin              | Germany                                  |
| European customs tariff number | 85366990                                 |
| GTIN                           | 5713140225008                            |
| ETIM                           | EC002637                                 |
| eCl@ss                         | 27460201 PCB connector (board connector) |