

## M12 CAT5 Bu gerade VWM



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

|                    |   |
|--------------------|---|
| Part number        | 21 03 381 2803  |
| Specification      | M12 CAT5 Bu gerade VWM  |
| HARTING eCatalogue | <a href="https://b2b.harting.com/21033812803">https://b2b.harting.com/21033812803</a> |

### Identification

|                |   |
|----------------|---|
| Category       | Connectors                                      |
| Series         | Circular connectors M12                         |
| Identification | PushPull  |
| Element        | PCB adapter                                     |
| Specification  | Straight<br>incl. housing<br>for front mounting |

### Version

|                    |                                    |
|--------------------|------------------------------------|
| Termination method | Reflow soldering termination (THR) |
| Gender             | Female                             |
| Shielding          | Shielded                           |
| Number of contacts | 8                                  |
| Coding             | X-coding                           |
| Locking type       | Screw locking<br>PushPull          |
| Pack contents      | 60 pieces in a tray                |

### Technical characteristics

|                              |                              |
|------------------------------|------------------------------|
| Rated current                | 0.5 A                        |
| Rated voltage                | 50 V                         |
| Rated impulse voltage        | 0.8 kV                       |
| Pollution degree             | 3                            |
| Transmission characteristics | Cat. 5 Class D up to 100 MHz |



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## Technical characteristics

|  |   |
|--|---|
| Overvoltage category                   | III   |
| Data rate                              | 10 Mbit/s<br>100 Mbit/s<br>1 Gbit/s<br>2.5 Gbit/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 | IP65 / IP67 mated condition                       |
| Isolation group                        | IIIa ( $175 \leq \text{CTI} < 400$ )              |

## 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                          | 5dbb3851-b94e-4e88-97a1-571845975242                   |
| California Proposition 65 substances      | Yes  |
| California Proposition 65 substances      | Lead<br>Nickel<br>Naphthalene                          |
| Fire protection on railway vehicles       | EN 45545-2 (2020-08)                                   |
| Requirement set with Hazard Levels        | R26  |



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## Specifications and approvals

|                |  |
|----------------|--|
| Specifications | IEC 61076-2-109  |
| UL / CSA       | UL 1977 ECBT2.E102079<br>CSA-C22.2 No. 182.3 ECBT8.E102079 |
| PROFINET       | Yes  |

## Commercial data

|                                |  |
|--------------------------------|--|
| Packaging size                 | 60                                       |
| Net weight                     | 25.36 g                                  |
| Country of origin              | Romania                                  |
| European customs tariff number | 85366990                                 |
| GTIN                           | 5713140138223                            |
| ETIM                           | EC002637                                 |
| eCl@ss                         | 27460201 PCB connector (board connector) |