

## PCB receptacle female back B-cod 5-pole



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

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| Part number        | 21 03 341 2530                                                                        |
| Specification      | PCB receptacle female back B-cod 5-pole                                               |
| HARTING eCatalogue | <a href="https://b2b.harting.com/21033412530">https://b2b.harting.com/21033412530</a> |

### Identification

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

### Version

|                    |                                    |
|--------------------|------------------------------------|
| Termination method | Reflow soldering termination (THR) |
| Gender             | Female                             |
| Shielding          | Shielded                           |
| Number of contacts | 5                                  |
| Coding             | B-coding                           |
| Locking type       | Screw locking                      |

### Technical characteristics

|                       |                           |
|-----------------------|---------------------------|
| Rated current         | 4 A                       |
| Rated voltage         | 50 V                      |
| Rated impulse voltage | 1.5 kV                    |
| Pollution degree      | 3                         |
| Overvoltage category  | III                       |
| Insulation resistance | $>10^8 \Omega$            |
| Contact resistance    | $\leq 10 \text{ m}\Omega$ |
| Tightening torque     | 2 Nm Lock nut             |



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## Technical characteristics

|                                        |                             |
|----------------------------------------|-----------------------------|
| Limiting temperature                   | -40 ... +85 °C              |
| Mating cycles                          | ≥100                        |
| Degree of protection acc. to IEC 60529 | IP65 / IP67 mated condition |
| Isolation group                        | I (600 ≤ 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                     | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol<br>Lead   |
| ECHA SCIP number                          | be45dcda-0f90-459a-a8bc-78fb7986a295                   |
| 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                                                    |

## Specifications and approvals

|                |                                                            |
|----------------|------------------------------------------------------------|
| Specifications | IEC 61076-2-101                                            |
| UL / CSA       | UL 1977 ECBT2.E102079<br>CSA-C22.2 No. 182.3 ECBT8.E102079 |

## Commercial data

|                |   |
|----------------|---|
| Packaging size | 1 |
|----------------|---|



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## Commercial data

|                                |                                          |
|--------------------------------|------------------------------------------|
| Net weight                     | 26 g                                     |
| Country of origin              | Romania                                  |
| European customs tariff number | 85366990                                 |
| GTIN                           | 5713140228139                            |
| eCl@ss                         | 27460201 PCB connector (board connector) |