

## M12 PCB receptacle male a-coded 5pol.



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

|                    |   |
|--------------------|---|
| Part number        | 21 03 321 1518  |
| Specification      | M12 PCB receptacle male a-coded 5pol.   |
| HARTING eCatalogue | <a href="https://b2b.harting.com/21033211518">https://b2b.harting.com/21033211518</a> |

### Identification

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

### Version

|                    |                                    |
|--------------------|------------------------------------|
| Termination method | Reflow soldering termination (THR) |
| Gender             | Male                               |
| Shielding          | Shielded                           |
| Number of contacts | 5                                  |
| Coding             | A-coding                           |
| Details            | Order housings separately          |
| Pack contents      | 60 pieces in a tray                |

### Technical characteristics

|                       |                           |
|-----------------------|---------------------------|
| Rated current         | 4 A                       |
| Rated voltage         | 60 V                      |
| Rated impulse voltage | 1.5 kV                    |
| Pollution degree      | 3                         |
| Overvoltage category  | III                       |
| Insulation resistance | $>10^8 \Omega$            |
| Contact resistance    | $\leq 10 \text{ m}\Omega$ |
| Limiting temperature  | -40 ... +85 °C            |



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## Technical characteristics

|                 |                             |
|-----------------|-----------------------------|
| Mating cycles   | ≥100                        |
| 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 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   |
|   | Nickel   |
|   | 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             |
|                | CSA-C22.2 No. 182.3 ECBT8.E102079 |

## Commercial data

|                                |               |
|--------------------------------|---------------|
| Packaging size                 | 60            |
| Net weight                     | 9.25 g        |
| Country of origin              | Romania       |
| European customs tariff number | 85366990      |
| GTIN                           | 5713140137691 |



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## Commercial data

ETIM

EC002637

eCl@ss

27460201 PCB connector (board connector)