Product data sheet
21 03 381 4413
Gerätebuchse M12-D-kod.-IP20 Kod.oben

HARTING

**Pushing Performance**
Since 1945

# Gerätebuchse M12-D-kod.-IP20 Kod.oben



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

| | |
|---|---|
| Part number | 21 03 381 4413 |
| Specification | Gerätebuchse M12-D-kod.-IP20 Kod.oben |
| HARTING eCatalogue | https://b2b.harting.com/21033814413 |

## 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 top left = Cable entry direction on the angled connector: downwards |

## 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 |

Page 1 / 3 | Creation date 2023-03-15 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application.
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## Technical characteristics

| | |
|---|---|
| Data rate | 10 Mbit/s |
| | 100 Mbit/s |
| Insulation resistance | $>10^8$ Ω |
| Contact resistance | ≤10 mΩ |
| Tightening torque | 2 Nm Lock nut |
| Limiting temperature | -40 ... +85 °C |
| Mating cycles | ≥100 |
| Degree of protection acc. to IEC 60529 | IP20 |
| 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 | 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 |

Page 2 / 3 | Creation date 2023-03-15 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application.
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## Specifications and approvals

| | |
|---|---|
| UL / CSA | UL 1977 ECBT2.E235076 |
| | CSA-C22.2 No. 182.3 ECBT8.E235076 |
| PROFINET | Yes |

## Commercial data

| | |
|---|---|
| Packaging size | 10 |
| Net weight | 24.26 g |
| Country of origin | Romania |
| European customs tariff number | 85366990 |
| GTIN | 5713140138339 |
| eCl@ss | 27460201 PCB connector (board connector) |

Page 3 / 3 | Creation date 2023-03-15 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application.
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