

M12 PCB receptacle female d-coded 4pol.



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

| | |
|--------------------|---|
| Part number | 21 03 381 2418 |
| Specification | M12 PCB receptacle female d-coded 4pol. |
| HARTING eCatalogue | https://b2b.harting.com/21033812418 |

Identification

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

Version

| | |
|--------------------|------------------------------------|
| Termination method | Reflow soldering termination (THR) |
| Gender | Female |
| Shielding | Shielded |
| Number of contacts | 4 |
| Coding | D-coding |
| Details | Order housings separately |
| Pack contents | 60 pieces in a tray |

Technical characteristics

| | |
|------------------------------|------------------------------|
| Rated current | 4 A |
| Rated voltage | 50 V |
| Rated impulse voltage | 2.5 kV |
| Pollution degree | 3 |
| Transmission characteristics | Cat. 5 Class D up to 100 MHz |
| Overvoltage category | III |
| Data rate | 10 Mbit/s 100 Mbit/s |



Pushing Performance
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Technical characteristics

| | |
|-----------------------|-----------------------------|
| Insulation resistance | $>10^8 \Omega$ |
| Contact resistance | $\leq 10 \text{ m}\Omega$ |
| Limiting temperature | -40 ... +85 °C |
| 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 |
| 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 |
| PROFINET | Yes |

Commercial data

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



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Commercial data

| | |
|--------------------------------|--|
| Net weight | 8 g |
| Country of origin | Romania |
| European customs tariff number | 85366990 |
| eCl@ss | 27460201 PCB connector (board connector) |