



Pushing Performance  
Since 1945

# Adapter M12 RJ45 Cat 5a straight



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

|                    |   |
|--------------------|---|
| Part number        | 21 03 381 2401  |
| Specification      | Adapter M12 RJ45 Cat 5a straight  |
| HARTING eCatalogue | <a href="https://b2b.harting.com/21033812401">https://b2b.harting.com/21033812401</a> |

## Identification

|                              |                                 |
|------------------------------|---------------------------------|
| Category                     | Accessories                     |
| Series                       | Circular connectors M12<br>RJ45 |
| Connector 1                  | Female<br>4 poles<br>RJ45       |
| Type of accessory            | Adapter                         |
| Description of the accessory | Panel feed through              |

## Version

|        |          |
|--------|----------|
| Gender | Female   |
| Coding | D-coding |

## Technical characteristics

|  |                              |
|--|------------------------------|
| Rated current                          | 4 A                          |
| Rated voltage                          | 48 V AC<br>60 V DC           |
| Transmission characteristics           | Cat. 5 Class D up to 100 MHz |
| Data rate                              | 10 Mbit/s<br>100 Mbit/s      |
| Limiting temperature                   | -40 ... +85 °C               |
| Mating cycles                          | ≥100                         |
| Degree of protection acc. to IEC 60529 | IP65 / IP67 mated condition  |
| Thickness of the panel                 | 2.1 ... 4.5 mm               |



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## 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<br>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<br>CSA-C22.2 No. 182.3 ECBT8.E102079 |
| PROFINET       | Yes  |

## Commercial data

|                                |  |
|--------------------------------|--|
| Packaging size                 | 1  |
| Net weight                     | 44.058 g                                   |
| Country of origin              | Romania                                    |
| European customs tariff number | 85389099                                   |
| GTIN                           | 5713140138148                              |
| ETIM                           | EC002943                                   |
| eCl@ss                         | 27440292 Connector component (accessories) |

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