



Pushing Performance  
Since 1945

# M12 slim angled female A-cod 5-pol



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

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| Part number        | 21 03 821 4505                                                                        |
| Specification      | M12 slim angled female A-cod 5-pol                                                    |
| HARTING eCatalogue | <a href="https://b2b.harting.com/21038214505">https://b2b.harting.com/21038214505</a> |

## Identification

|                |                         |
|----------------|-------------------------|
| Category       | Connectors              |
| Series         | Circular connectors M12 |
| Identification | Slim Design             |
| Element        | Cable connector         |
| Specification  | Angled                  |

## Version

|                    |                                         |
|--------------------|-----------------------------------------|
| Termination method | Crimp termination                       |
| Gender             | Female                                  |
| Shielding          | Shielded                                |
| Number of contacts | 5<br>4                                  |
| Coding             | A-coding                                |
| Locking type       | Screw locking                           |
| Details            | Please order crimp contacts separately. |

## Technical characteristics

|                         |                                       |
|-------------------------|---------------------------------------|
| Conductor cross-section | 0.13 ... 0.82 mm <sup>2</sup>         |
| Conductor cross-section | AWG 26 ... AWG 18                     |
| Wire outer diameter     | ≤2.3 mm                               |
| Rated current           | 4 A                                   |
| Rated voltage           | 48 V AC<br>60 V DC                    |
| Rated voltage           | 110 V AC/DC when used with 4 contacts |



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## Technical characteristics

|                                           |                             |
|-------------------------------------------|-----------------------------|
| 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                         | 0.6 Nm                      |
| Wrench size (knurled screw / knurled nut) | 15                          |
| Limiting temperature                      | -40 ... +85 °C              |
| Mating cycles                             | $\geq 500$                  |
| Degree of protection acc. to IEC 60529    | IP65 / IP67 mated condition |
| Cable diameter                            | 5.7 ... 8.8 mm              |
| Isolation group                           | I ( $600 \leq \text{CTI}$ ) |

## Material properties

|                                      |                      |
|--------------------------------------|----------------------|
| Material (insert)                    | Polyamide (PA)       |
| Material (hood/housing)              | Zinc die-cast        |
| RoHS                                 | compliant            |
| ELV status                           | compliant            |
| China RoHS                           | e                    |
| REACH Annex XVII substances          | Not contained        |
| REACH ANNEX XIV substances           | Not contained        |
| REACH SVHC substances                | Not contained        |
| 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 2238 CYJV2.E302521             |
|                | CSA-C22.2 No. 182.3 CYJV8.E302521 |



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Commercial data

|                                |                                                  |
|--------------------------------|--------------------------------------------------|
| Packaging size                 | 1                                                |
| Net weight                     | 50 g                                             |
| Country of origin              | Romania                                          |
| European customs tariff number | 85366990                                         |
| GTIN                           | 5713140226265                                    |
| ETIM                           | EC002635                                         |
| eCl@ss                         | 27440116 Circular connector (for field assembly) |