

## M12-Screw-5P-ACOD-F-STR



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

|                    |   |
|--------------------|---|
| Part number        | 21 03 319 2501  |
| Specification      | M12-Screw-5P-ACOD-F-STR   |
| HARTING eCatalogue | <a href="https://b2b.harting.com/21033192501">https://b2b.harting.com/21033192501</a> |

### Identification

|               |                         |
|---------------|-------------------------|
| Category      | Connectors              |
| Series        | Circular connectors M12 |
| Element       | Cable connector         |
| Specification | Straight                |

### Version

|                    |                   |
|--------------------|-------------------|
| Termination method | Screw termination |
| Gender             | Female            |
| Shielding          | Unshielded        |
| Number of contacts | 5                 |
| Coding             | A-coding          |
| Locking type       | Screw locking     |

### Technical characteristics

|                         |                          |
|-------------------------|--------------------------|
| Conductor cross-section | 1.5 mm <sup>2</sup> max. |
| Conductor cross-section | AWG 16                   |
| Rated current           | 7.5 A                    |
| Rated voltage           | 60 V                     |
| Rated impulse voltage   | 1.5 kV                   |
| Pollution degree        | 3                        |
| Overvoltage category    | III                      |
| Insulation resistance   | >10 <sup>8</sup> Ω       |
| Contact resistance      | ≤10 mΩ                   |



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## Technical characteristics

|   |                      |
|---|----------------------|
| Tightening torque                         | 0.6 Nm               |
| Wrench size (knurled screw / knurled nut) | 18                   |
| Limiting temperature                      | -30 ... +85 °C       |
| Mating cycles                             | ≥100                 |
| Degree of protection acc. to IEC 60529    | IP67 mated condition |
| Cable diameter                            | 4 ... 8 mm           |
| Isolation group                           | I (600 ≤ CTI)        |

## Material properties

|                                      |  |
|--------------------------------------|--|
| Material (insert)                    | Polyamide (PA)   |
| Material (contacts)                  | Brass  |
| Surface (contacts)                   | Au over Ni Mating side                                 |
| Material (hood/housing)              | Polyamide (PA)<br>Zinc die-cast                        |
| 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   |

## Specifications and approvals

|                |   |
|----------------|---|
| Specifications | IEC 61076-2-101   |
| UL / CSA       | UL 2238 CYJV.E302521<br>CSA-C22.2 No. 182.3 CYJV7.E302521 |

## Commercial data

|                |         |
|----------------|---------|
| Packaging size | 1       |
| Net weight     | 32.85 g |



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## Commercial data

|                                |  |
|--------------------------------|--|
| Country of origin              | Czechia  |
| European customs tariff number | 85366990   |
| GTIN                           | 5713140161436                                    |
| eCl@ss                         | 27440116 Circular connector (for field assembly) |