

M12-SCREW-8P-ACOD-M-STR



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

| | |
|--------------------|---|
| Part number | 21 03 319 1801 |
| Specification | M12-SCREW-8P-ACOD-M-STR |
| HARTING eCatalogue | https://b2b.harting.com/21033191801 |

Identification

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

Version

| | |
|--------------------|-------------------|
| Termination method | Screw termination |
| Gender | Male |
| Shielding | Unshielded |
| Number of contacts | 8 |
| Coding | A-coding |
| Locking type | Screw locking |

Technical characteristics

| | |
|-------------------------|--------------------------|
| Conductor cross-section | 0.5 mm ² max. |
| Conductor cross-section | AWG 20 |
| Rated current | 2 A |
| Rated voltage | 30 V |
| Rated impulse voltage | 0.8 kV |
| Pollution degree | 3 |
| Overvoltage category | III |
| Insulation resistance | >10 ⁸ Ω |
| Contact resistance | ≤10 mΩ |



Pushing Performance

Technical characteristics

| | |
|---|----------------------|
| Tightening torque | 0.6 Nm |
| Wrench size (knurled screw / knurled nut) | 18 |
| Ambient 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) 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 |

Specifications and approvals

| | |
|----------------|-----------------|
| Specifications | IEC 61076-2-101 |
|----------------|-----------------|

Commercial data

| | |
|--------------------------------|----------|
| Packaging size | 1 |
| Net weight | 28.5 g |
| Country of origin | Czechia |
| European customs tariff number | 85366990 |



Pushing Performance

Commercial data

eCl@ss

27440102 Circular connector (for field assembly)

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