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# HARAX M8-S male 3-pole



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

| | |
|---|---|
| Part number | 21 02 151 1305 |
| Specification | HARAX M8-S male 3-pole |
| HARTING eCatalogue | https://harting.com/21021511305 |

## Identification

| | |
|---|---|
| Category | Connectors |
| Series | Circular connectors M8 |
| Identification | M8-S |
| Element | Cable connector |
| Specification | Straight |

## Version

| | |
|---|---|
| Termination method | HARAX® connection technology |
| Gender | Male |
| Shielding | Unshielded |
| Number of contacts | 3 |
| Coding | A-coding |
| Locking type | Screw locking |

## Technical characteristics

| | |
|---|---|
| Conductor cross-section (mm²) | 0.14 ... 0.34 mm² |
| Conductor cross-section (AWG) | AWG 26 ... AWG 22 |
| Wire outer diameter | ≤1.6 mm |
| Rated current | 4 A |
| Rated voltage | 32 V |
| Rated impulse voltage | 1.5 kV |
| Pollution degree | 3 |
| Overvoltage category | III |


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## Technical characteristics

| | |
|---|---|
| Insulation resistance | $>10^8$ Ω |
| Contact resistance | ≤10 mΩ |
| Tightening torque | 0.4 Nm |
| Wrench size (knurled screw / knurled nut) | 9 |
| Limiting temperature | -40 ... +85 °C |
| Mating cycles | ≥100 |
| Degree of protection acc. to IEC 60529 | IP67 locked condition |
| Cable diameter | 2.5 ... 5.1 mm |
| Isolation group | I (600 ≤ CTI) |

## Material properties

| | |
|---|---|
| Material (insert) | Polyamide (PA) |
| Material (contacts) | Copper alloy |
| 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 |
| Fire protection on railway vehicles | EN 45545-2 (2020-08) + A1 (2023-10) |
| Requirement set with Hazard Levels | R26 |

## Specifications and approvals

| | |
|---|---|
| Specifications | IEC 61076-2-104 |


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| | |
|---|---|
| UL / CSA | UL 1977 ECBT2.E102079<br>CSA-C22.2 No. 182.3 ECBT8.E102079 |

## Commercial data

| | |
|---|---|
| Packaging size | 1 |
| Net weight | 1.2 g |
| Country of origin | Germany |
| European customs tariff number | 85366990 |
| GTIN | 5713140136922 |
| eCl@ss | 27440116 Circular connector (for field assembly) |
| ETIM | EC002635 |
| UNSPSC 24.0 | 39121413 |


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