

## Circular Connector with Harax F 8 / 3-po



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

|                    |   |
|--------------------|---|
| Part number        | 21 02 151 2305  |
| Specification      | Circular Connector with Harax F 8 / 3-po  |
| HARTING eCatalogue | <a href="https://b2b.harting.com/21021512305">https://b2b.harting.com/21021512305</a> |

### Identification

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

### Version

|                    |  |
|--------------------|--|
| Termination method | HARAX <sup>®</sup> connection technology |
| Gender             | Female                                   |
| Shielding          | Unshielded                               |
| Number of contacts | 3  |
| Coding             | A-coding                                 |
| Locking type       | Screw locking                            |

### Technical characteristics

|                         |                               |
|-------------------------|-------------------------------|
| Conductor cross-section | 0.14 ... 0.34 mm <sup>2</sup> |
| Conductor cross-section | 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                           |



Pushing Performance  
Since 1945

## Technical characteristics

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

## 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                       |
| 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<br>Nickel                  |
| Fire protection on railway vehicles  | EN 45545-2 (2020-08)            |
| Requirement set with Hazard Levels   | R26                             |

## Specifications and approvals

|                |  |
|----------------|--|
| Specifications | IEC 61076-2-104  |
| UL / CSA       | UL 1977 ECBT2.E102079<br>CSA-C22.2 No. 182.3 ECBT8.E102079 |

## Commercial data

|                |   |
|----------------|---|
| Packaging size | 1 |
|----------------|---|



**Pushing Performance**  
Since 1945

## Commercial data

|                                |  |
|--------------------------------|--|
| Net weight                     | 13.8 g   |
| Country of origin              | Germany  |
| European customs tariff number | 85366990   |
| GTIN                           | 5713140136946                                    |
| ETIM                           | EC002635   |
| eCl@ss                         | 27440116 Circular connector (for field assembly) |