

## Han K4/4-M 6-16mm<sup>2</sup>, Finger protected



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

|                    |   |
|--------------------|---|
| Part number        | 09 38 008 2601  |
| Specification      | Han K4/4-M 6-16mm <sup>2</sup> , Finger protected                             |
| HARTING eCatalogue | <a href="https://harting.com/09380082601">https://harting.com/09380082601</a> |

### Identification

|                |                        |
|----------------|------------------------|
| Category       | Inserts                |
| Series         | Han-Com <sup>®</sup>   |
| Identification | Han <sup>®</sup> K 4/4 |

### Version

|                           |  |
|---------------------------|--|
| Termination method        | Axial screw termination / cage-clamp termination |
| Gender                    | Male   |
| Size                      | 10 B   |
| Number of contacts        | 8  |
| Number of signal contacts | 4  |
| Number of power contacts  | 4  |
| PE contact                | Yes  |
| Details                   | Finger safe                                      |

### Technical characteristics

|                         |   |
|-------------------------|---|
| Conductor cross-section | 6 ... 16 mm <sup>2</sup> Power<br>0.14 ... 2.5 mm <sup>2</sup> Signal |
| Wire outer diameter     | ≤8.9 mm   |
| Rated current           | 63 A  |
| Rated voltage           | 690 V   |
| Rated impulse voltage   | 8 kV  |
| Pollution degree        | 3   |
| Rated current (signal)  | 16 A  |



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## Technical characteristics

|                                    |  |
|------------------------------------|--|
| Rated voltage (signal)             | 250 V  |
| Rated impulse voltage (signal)     | 4 kV   |
| Pollution degree (signal)          | 3  |
| Rated current acc. to UL           | 63 A   |
| Rated voltage acc. to UL           | 600 V  |
| Rated current acc. to UL (signal)  | 16 A   |
| Rated voltage acc. to UL (signal)  | 230 V  |
| Rated current acc. to CSA          | 63 A   |
| Rated voltage acc. to CSA          | 600 V  |
| Rated current acc. to CSA (signal) | 16 A   |
| Rated voltage acc. to CSA (signal) | 230 V  |
| Insulation resistance              | >10 <sup>10</sup> Ω  |
| Contact resistance                 | ≤0.5 mΩ  |
| Contact resistance, signal area    | ≤3 mΩ  |
| Stripping length                   | 11 ... 12 mm<br>7 ... 9 mm Signal  |
| Tightening torque                  | 2 Nm @ 6 mm <sup>2</sup><br>3 Nm @ 10 mm <sup>2</sup><br>4 Nm @ 16 mm <sup>2</sup> |
| Recommended screw driver           | Slotted 0.8 x 4.5<br>PH2   |
| Limiting temperature               | -40 ... +125 °C  |
| Mating cycles                      | ≥500   |

## Material properties

|   |  |
|---|--|
| Material (insert)                         | Polycarbonate (PC)                                     |
| Colour (insert)                           | RAL 7032 (pebble grey)                                 |
| Material (contacts)                       | Copper alloy   |
| Surface (contacts)                        | Silver plated  |
| Material flammability class acc. to UL 94 | V-0  |
| 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  |



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## Material properties

|                                      |   |
|--------------------------------------|---|
| REACH ANNEX XIV substances           | Not contained   |
| REACH SVHC substances                | Yes   |
| REACH SVHC substances                | Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate<br>Lead |
| ECHA SCIP number                     | 1e38d35d-d1be-4585-8e03-95faccd739bf                              |
| 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   | R22 (HL 1-3)<br>R23 (HL 1-3)                                      |

## Specifications and approvals

|                |  |
|----------------|--|
| Specifications | IEC 60664-1<br>IEC 61984                                   |
| UL / CSA       | UL 1977 ECBT2.E235076<br>CSA-C22.2 No. 182.3 ECBT8.E235076 |
| Approvals      | DNV GL   |

## Commercial data

|                                |   |
|--------------------------------|---|
| Packaging size                 | 1   |
| Net weight                     | 109 g   |
| Country of origin              | Romania   |
| European customs tariff number | 85366990  |
| GTIN                           | 5713140056268                                     |
| eCl@ss                         | 27440205 Contact insert for industrial connectors |
| ETIM                           | EC000438  |
| UNSPSC 24.0                    | 39121522  |