

# Han K4/4-M 6-16mm²



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

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Part number        | 09 38 008 2611                                                                |
| Specification      | Han K4/4-M 6-16mm²                                                            |
| HARTING eCatalogue | <a href="https://harting.com/09380082611">https://harting.com/09380082611</a> |

## Identification

|                |            |
|----------------|------------|
| Category       | Inserts    |
| Series         | Han-Com®   |
| Identification | Han® 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                   | Not finger safe                                  |

## Technical characteristics

|                                |                                               |
|--------------------------------|-----------------------------------------------|
| Conductor cross-section (mm²)  | 6 ... 16 mm² Power<br>0.14 ... 2.5 mm² Signal |
| Wire outer diameter            | ≤8.9 mm                                       |
| Rated current (signal)         | 16 A                                          |
| Rated voltage (signal)         | 250 V                                         |
| Rated impulse voltage (signal) | 4 kV                                          |
| Pollution degree (signal)      | 3                                             |
| Rated current (power)          | 63 A                                          |



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## Technical characteristics

|                                    |                                                                                    |
|------------------------------------|------------------------------------------------------------------------------------|
| Rated voltage (power)              | 690 V                                                                              |
| Rated impulse voltage (power)      | 8 kV                                                                               |
| Pollution degree (power)           | 3                                                                                  |
| Rated current acc. to UL (signal)  | 16 A                                                                               |
| Rated voltage acc. to UL (signal)  | 230 V                                                                              |
| Rated current acc. to UL (Power)   | 63 A                                                                               |
| Rated voltage acc. to UL (Power)   | 600 V                                                                              |
| Rated current acc. to CSA (signal) | 16 A                                                                               |
| Rated voltage acc. to CSA (signal) | 230 V                                                                              |
| Rated current acc. to CSA (Power)  | 63 A                                                                               |
| Rated voltage acc. to CSA (Power)  | 600 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) + A1 (2023-10)                               |
| 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                     | 92 g                                              |
| Country of origin              | Romania                                           |
| European customs tariff number | 85366990                                          |
| GTIN                           | 5713140056282                                     |
| eCl@ss                         | 27440205 Contact insert for industrial connectors |
| ETIM                           | EC000438                                          |
| UNSPSC 24.0                    | 39121522                                          |