

## Han K 6/12 POS. M INSERT

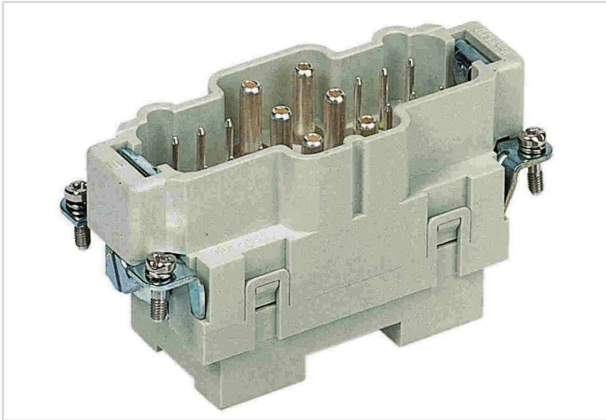


Image is for illustration purposes only. Please refer to product description.

|                    |   |
|--------------------|---|
| Part number        | 09 38 018 2601  |
| Specification      | Han K 6/12 POS. M INSERT  |
| HARTING eCatalogue | <a href="https://harting.com/09380182601">https://harting.com/09380182601</a> |

### Identification

|                |             |
|----------------|-------------|
| Category       | Inserts     |
| Series         | Han-Com®    |
| Identification | Han® K 6/12 |

### Version

|                           |   |
|---------------------------|---|
| Termination method        | Axial screw termination / screw termination |
| Gender                    | Male  |
| Size                      | 16 B  |
| Number of contacts        | 18  |
| Number of signal contacts | 12  |
| Number of power contacts  | 6   |
| PE contact                | Yes   |

### Technical characteristics

|  |   |
|--|---|
| Conductor cross-section                | 2.5 ... 8 mm <sup>2</sup> Power<br>0.2 ... 2.5 mm <sup>2</sup> Signal |
| Wire outer diameter                    | ≤6.1 mm   |
| Rated current                          | 40 A  |
| Rated voltage                          | 690 V   |
| Rated impulse voltage                  | 8 kV  |
| Pollution degree                       | 3   |
| Rated current (signal)                 | 10 A  |
| Rated voltage conductor-earth (signal) | 230 V   |



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## Technical characteristics

|  |   |
|--|---|
| Rated voltage conductor-conductor (signal) | 400 V                                     |
| Rated impulse voltage (signal)             | 4 kV                                      |
| Pollution degree (signal)                  | 3   |
| Rated current acc. to UL                   | 40 A                                      |
| Rated voltage acc. to UL                   | 600 V                                     |
| Rated current acc. to UL (signal)          | 10 A                                      |
| Rated voltage acc. to UL (signal)          | 600 V                                     |
| Rated current acc. to CSA                  | 40 A                                      |
| Rated voltage acc. to CSA                  | 300 V                                     |
| Rated current acc. to CSA (signal)         | 10 A                                      |
| Rated voltage acc. to CSA (signal)         | 300 V                                     |
| Insulation resistance                      | $>10^{10} \Omega$                         |
| Contact resistance                         | $\leq 0.5 \text{ m}\Omega$                |
| Contact resistance, signal area            | $\leq 3 \text{ m}\Omega$                  |
| Stripping length                           | 5 ... 6 mm @ 2.5 mm <sup>2</sup>          |
|  | 5 ... 6 mm @ 4 mm <sup>2</sup>            |
|  | 8 ... 9 mm @ 6 mm <sup>2</sup>            |
|  | 7.5 mm Signal                             |
| Tightening torque                          | 1.5 Nm @ 2.5 mm <sup>2</sup>              |
|  | 1.5 Nm @ 4 mm <sup>2</sup>                |
|  | 2 Nm @ 6 mm <sup>2</sup>                  |
|  | 0.5 Nm Signal                             |
|  | 2 Nm Contact screw M3<br>2 Nm PE screw M5 |
| Recommended screw driver                   | Slotted 0.5 x 3                           |
|  | Slotted 0.6 x 3.5                         |
|  | Slotted 0.8 x 4.5                         |
|  | PH2                                       |
| Limiting temperature                       | -40 ... +125 °C                           |
| Mating cycles                              | $\geq 500$                                |

## 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                    |



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## Material properties

|                                      |  |
|--------------------------------------|--|
| 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                     | 5dbb3851-b94e-4e88-97a1-571845975242                   |
| 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 |
| Approvals      | DNV GL                   |

## Commercial data

|                                |   |
|--------------------------------|---|
| Packaging size                 | 1   |
| Net weight                     | 134 g   |
| Country of origin              | Romania   |
| European customs tariff number | 85366990  |
| GTIN                           | 5713140056435                                     |
| eCl@ss                         | 27440205 Contact insert for industrial connectors |
| ETIM                           | EC000438  |
| UNSPSC 24.0                    | 39121522  |