

## Han K 6/12 Pos. F Insert



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

|                    |   |
|--------------------|---|
| Part number        | 09 38 018 2701  |
| Specification      | Han K 6/12 Pos. F Insert  |
| HARTING eCatalogue | <a href="https://b2b.harting.com/09380182701">https://b2b.harting.com/09380182701</a> |

### Identification

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

### Version

|                           |   |
|---------------------------|---|
| Termination method        | Axial screw termination / screw termination |
| Gender                    | Female                                      |
| 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><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                    |
| 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  |
| 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                | 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)                 |
| 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                     | 150 g   |
| Country of origin              | Romania   |
| European customs tariff number | 85366990  |
| GTIN                           | 5713140056459                                     |
| eCl@ss                         | 27440205 Contact insert for industrial connectors |