

## Han K 6/6 Pos. F Insert



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

|                    |   |
|--------------------|---|
| Part number        | 09 38 012 2751  |
| Specification      | Han K 6/6 Pos. F Insert   |
| HARTING eCatalogue | <a href="https://b2b.harting.com/09380122751">https://b2b.harting.com/09380122751</a> |

### Identification

|                |                        |
|----------------|------------------------|
| Category       | Inserts                |
| Series         | Han-Com <sup>®</sup>   |
| Identification | Han <sup>®</sup> K 6/6 |

### Version

|                           |   |
|---------------------------|---|
| Termination method        | Axial screw termination / screw termination |
| Gender                    | Female                                      |
| Size                      | 24 B  |
| Number of contacts        | 12  |
| Number of signal contacts | 6   |
| Number of power contacts  | 6   |
| PE contact                | Yes   |

### Technical characteristics

|                         |   |
|-------------------------|---|
| Conductor cross-section | 16 ... 35 mm <sup>2</sup> Power<br>0.2 ... 2.5 mm <sup>2</sup> Signal |
| Wire outer diameter     | ≤11.4 mm  |
| Rated current           | 100 A   |
| Rated voltage           | 690 V   |
| Rated impulse voltage   | 8 kV  |
| Pollution degree        | 3   |
| Rated current (signal)  | 16 A  |
| Rated voltage (signal)  | 400 V   |



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## Technical characteristics

|                                    |                            |
|------------------------------------|----------------------------|
| Rated impulse voltage (signal)     | 6 kV                       |
| Pollution degree (signal)          | 3                          |
| Rated current acc. to UL           | 100 A                      |
| Rated voltage acc. to UL           | 600 V                      |
| Rated current acc. to UL (signal)  | 16 A                       |
| Rated voltage acc. to UL (signal)  | 300 V                      |
| Rated current acc. to CSA          | 100 A                      |
| Rated voltage acc. to CSA          | 600 V                      |
| Rated current acc. to CSA (signal) | 15 A                       |
| Rated voltage acc. to CSA (signal) | 600 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                   | 13 ... 14 mm               |
|                                    | 7.5 mm Signal              |
| Tightening torque                  | 6 Nm @ 16 mm <sup>2</sup>  |
|                                    | 7 Nm @ 25 mm <sup>2</sup>  |
|                                    | 8 Nm @ 35 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  |
| REACH ANNEX XIV substances                | Not contained  |
| REACH SVHC substances                     | Yes  |



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## Material properties

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| 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                                   |
| 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                     | 285 g   |
| Country of origin              | Romania   |
| European customs tariff number | 85366990  |
| GTIN                           | 5713140056404                                     |
| ETIM                           | EC000438  |
| eCl@ss                         | 27440205 Contact insert for industrial connectors |