

## Han K 8/0 Pos. Insert 100 Amp. 10-25mm



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

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Part number        | 09 38 008 2753                                                                |
| Specification      | Han K 8/0 Pos. Insert 100 Amp.<br>10-25mm                                     |
| HARTING eCatalogue | <a href="https://harting.com/09380082753">https://harting.com/09380082753</a> |

### Identification

|                |            |
|----------------|------------|
| Category       | Inserts    |
| Series         | Han-Com®   |
| Identification | Han® K 8/0 |

### Version

|                    |                         |
|--------------------|-------------------------|
| Termination method | Axial screw termination |
| Gender             | Female                  |
| Size               | 24 B                    |
| Number of contacts | 8                       |
| PE contact         | Yes                     |

### Technical characteristics

|                               |                     |
|-------------------------------|---------------------|
| Conductor cross-section (mm²) | 10 ... 25 mm²       |
| Wire outer diameter           | ≤11.4 mm            |
| Rated current                 | 100 A               |
| Rated voltage                 | 690 V               |
| Rated impulse voltage         | 8 kV                |
| Pollution degree              | 3                   |
| Rated current acc. to UL      | 82 A                |
| Rated voltage acc. to UL      | 600 V               |
| Rated current acc. to CSA     | 100 A               |
| Rated voltage acc. to CSA     | 600 V               |
| Insulation resistance         | >10 <sup>10</sup> Ω |



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## Technical characteristics

|                          |                           |
|--------------------------|---------------------------|
| Contact resistance       | ≤0.5 mΩ                   |
| Stripping length         | 13 ... 14 mm              |
| Tightening torque        | 6 Nm @ 10 mm <sup>2</sup> |
|                          | 6 Nm @ 16 mm <sup>2</sup> |
|                          | 7 Nm @ 25 mm <sup>2</sup> |
|                          | 1.2 Nm PE screw M4        |
| 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(a)-I: Lead as an alloying element in steel for machining purposes containing up to 0,35 % 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)                                                                                               |
|                                           | R23 (HL 1-3)                                                                                               |

## Specifications and approvals

|                |             |
|----------------|-------------|
| Specifications | IEC 60664-1 |
|                | IEC 61984   |



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Specifications and approvals

|           |                                   |
|-----------|-----------------------------------|
| UL / CSA  | UL 1977 ECBT2.E235076             |
|           | CSA-C22.2 No. 182.3 ECBT8.E235076 |
| Approvals | DNV GL                            |

Commercial data

|                                |                                                   |
|--------------------------------|---------------------------------------------------|
| Packaging size                 | 1                                                 |
| Net weight                     | 323 g                                             |
| Country of origin              | Romania                                           |
| European customs tariff number | 85366990                                          |
| GTIN                           | 5713140056336                                     |
| eCl@ss                         | 27440205 Contact insert for industrial connectors |
| ETIM                           | EC000438                                          |
| UNSPSC 24.0                    | 39121522                                          |