



Pushing Performance  
Since 1945

# Han K 6/12 Pos. F Insert (6-10mm2)

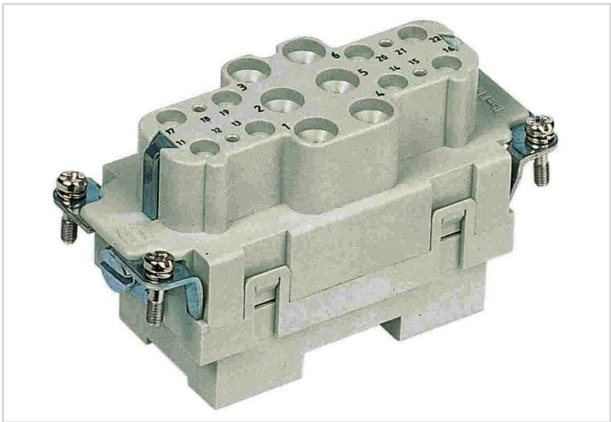


Image is for illustration purposes only. Please refer to product description.

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Part number        | 09 38 018 2702                                                                |
| Specification      | Han K 6/12 Pos. F Insert (6-10mm2)                                            |
| HARTING eCatalogue | <a href="https://harting.com/09380182702">https://harting.com/09380182702</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 (mm²)              | 6 ... 10 mm² Power<br>0.2 ... 2.5 mm² Signal |
| Wire outer diameter                        | ≤6.1 mm                                      |
| Rated current (signal)                     | 10 A                                         |
| Rated voltage conductor-earth (signal)     | 230 V                                        |
| Rated voltage conductor-conductor (signal) | 400 V                                        |
| Rated impulse voltage (signal)             | 4 kV                                         |
| Pollution degree (signal)                  | 3                                            |
| Rated current (power)                      | 40 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)  | 10 A                                                             |
| Rated voltage acc. to UL (signal)  | 600 V                                                            |
| Rated current acc. to UL (Power)   | 40 A                                                             |
| Rated voltage acc. to UL (Power)   | 600 V                                                            |
| Rated current acc. to CSA (signal) | 10 A                                                             |
| Rated voltage acc. to CSA (signal) | 300 V                                                            |
| Rated current acc. to CSA (Power)  | 40 A                                                             |
| Rated voltage acc. to CSA (Power)  | 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                   | 8 ... 9 mm<br>7.5 mm Signal                                      |
| Tightening torque                  | 2 Nm Contact screw M3<br>0.5 Nm Signal<br>2 Nm PE screw M5       |
| Recommended screw driver           | Slotted 0.5 x 3<br>Slotted 0.6 x 3.5<br>Slotted 0.8 x 4.5<br>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                                                    |
| 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                                                     |



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## Material properties

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| 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                     | 130 g                                             |
| Country of origin              | Romania                                           |
| European customs tariff number | 85366990                                          |
| GTIN                           | 5713140056466                                     |
| eCl@ss                         | 27440205 Contact insert for industrial connectors |
| ETIM                           | EC000438                                          |
| UNSPSC 24.0                    | 39121522                                          |