

Han K 6/12 Pos. F Insert



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

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

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 mm² 0.2 2.5 mm² 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 |

Page 1 / 3 | Creation date 2024-02-10 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Electric Stiftung & Co. KG | Wilhelm-Harting-Straße 1 | 32339 Espelkamp | Germany Phone +49 5772 47-97100 | electric@HARTING.com | www.HARTING.com Product data sheet 09 38 018 2701 Han K 6/12 Pos. F Insert



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 Ω |
| Contact resistance | ≤0.5 mΩ |
| Contact resistance, signal area | ≤3 mΩ |
| Stripping length | 5 6 mm @ 2.5 mm ² 5 6 mm @ 4 mm ² 8 9 mm @ 6 mm ² 7.5 mm Signal |
| Tightening torque | 1.5 Nm @ 2.5 mm ² 1.5 Nm @ 4 mm ² 2 Nm @ 6 mm ² 0.5 Nm Signal |
| 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(c): Copper alloy containing up to 4 % lead by weight |
| ELV status | compliant with exemption |
| China RoHS | 50 |
| REACH Annex XVII substances | Not contained |

Page 2 / 3 | Creation date 2024-02-10 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Electric Stiftung & Co. KG | Wilhelm-Harting-Straße 1 | 32339 Espelkamp | Germany Phone +49 5772 47-97100 | electric@HARTING.com | www.HARTING.com Product data sheet 09 38 018 2701 Han K 6/12 Pos. F Insert



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 Nickel |
| Fire protection on railway vehicles | EN 45545-2 (2020-08) |
| Requirement set with Hazard Levels | R22 (HL 1-3) R23 (HL 1-3) |

Specifications and approvals

| Specifications | IEC 60664-1 IEC 61984 |
|----------------|--------------------------|
| Approvals | DNV GL |

Commercial data

| Packaging size | 1 |
|--------------------------------|---|
| Net weight | 137 g |
| Country of origin | Romania |
| European customs tariff number | 85366990 |
| GTIN | 5713140056459 |
| ETIM | EC000438 |
| eCl@ss | 27440205 Contact insert for industrial connectors |