

Han K 6/6 Pos. M Insert



| Part number | 09 38 012 2651 |
|--------------------|-------------------------------------|
| Specification | Han K 6/6 Pos. M Insert |
| HARTING eCatalogue | https://b2b.harting.com/09380122651 |

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

Identification

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

Version

| Termination method | Axial screw termination / screw termination |
|--------------------|---|
| Gender | Male |
| Size | 24 B |
| Number of contacts | 6 |
| further contacts | + 6 additional signal contacts |
| PE contact | Yes |

Technical characteristics

| Conductor cross-section | 16 35 mm² 0.2 2.5 mm² 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 |
| Rated impulse voltage (signal) | 6 kV |

Page 1 / 3 | Creation date 2021-10-01 | 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



Technical characteristics

| 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 Ω |
| Contact resistance | ≤0.5 mΩ |
| Contact resistance, signal area | ≤3 mΩ |
| Stripping length | 13 14 mm 7.5 mm Signal |
| Tightening torque | 6 Nm @ 16 mm ² 7 Nm @ 25 mm ² 8 Nm @ 35 mm ² 0.5 Nm Signal |
| Limiting temperature | -40 +125 °C |
| Mating cycles | ≥500 |
| Material properties | |

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) / 6(a)-I: Lead as an alloying element in steel for machining purposes and in galvanised steel containing up to 0,35 % lead by weight / Lead as an alloying element in steel for machining purposes containing up to 0,35 % lead by weight and in batch hot dip galvanised steel components containing up to 0,2 % lead by weight |
| | 6(c): Copper alloy containing up to 4 % lead by weight |
| ELV status | compliant with exemption |
| China RoHS | 50 |
| REACH Annex XVII substances | No |

Page 2 / 3 | Creation date 2021-10-01 | 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 38 012 2651 Han K 6/6 Pos. M Insert



Material properties

| REACH ANNEX XIV substances | No |
|--------------------------------------|--------------------------------------|
| 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 | Nickel Lead |

Specifications and approvals

| Specifications | EN 60664-1 IEC 61984 |
|----------------|--|
| Approvals | DNV GL |
| UL / CSA | UL 1977 ECBT2.E235076 CSA-C22.2 No. 182.3 ECBT8.E235076 |

Commercial data

| Packaging size | 1 |
|--------------------------------|---|
| Net weight | 278.32 g |
| Country of origin | Germany |
| European customs tariff number | 85366990 |
| eCl@ss | 27440205 Contact insert for industrial connectors |