

Han 1HC-Sti-Ax 650A, 70-120mm²



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

| | |
|--------------------|---|
| Part number | 09 11 001 2671 |
| Specification | Han 1HC-Sti-Ax 650A, 70-120mm ² |
| HARTING eCatalogue | https://b2b.harting.com/09110012671 |

Identification

| | |
|----------------|-----------------------------|
| Category | Inserts |
| Series | Han [®] HC Modular |
| Identification | 650 |

Version

| | |
|--------------------|---|
| Termination method | Axial screw termination |
| Gender | Male |
| Details | The vibration and shock resistance can only be met if the cables are fixed at an appropriate distance. Instructions for the spacing of strain relief can be found in the document in eCatalogue under the section Instructions. |

Technical characteristics

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|-------------------------|---|
| Conductor cross-section | 70 ... 120 mm ² |
| Wire outer diameter | ≤26.5 mm |
| Rated current | 650 A |
| Rated voltage | 4,000 V |
| Rated impulse voltage | 18 kV |
| Pollution degree | 3 |
| Insulation resistance | >10 ¹⁰ Ω |
| Contact resistance | ≤0.2 mΩ |
| Stripping length | 23 ... 25 mm |
| Tightening torque | 12 Nm @ 70 mm ² 14 Nm @ 95 mm ² 16 Nm @ 120 mm ² |



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Technical characteristics

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|----------------------|-------------------------------|
| Limiting temperature | -40 ... +125 °C |
| Mating cycles | ≥500 |
| Vibration resistance | Category 1B acc. to IEC 61373 |
| Shock resistance | Category 1B acc. to IEC 61373 |

Material properties

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|---|---|
| Material (insert) | Polycarbonate (PC) Polyamide (PA) |
| 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 | Not contained |
| REACH ANNEX XIV substances | Not contained |
| REACH SVHC substances | Yes |
| REACH SVHC substances | Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate Lead |
| 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 | R26 |

Specifications and approvals

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



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Specifications and approvals

| | |
|----------|-----------------------|
| UL / CSA | UL 1977 ECBT2.E235076 |
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Commercial data

| | |
|--------------------------------|---|
| Packaging size | 1 |
| Net weight | 364 g |
| Country of origin | Romania |
| European customs tariff number | 85359000 |
| GTIN | 5713140016019 |
| eCl@ss | 27440205 Contact insert for industrial connectors |