Pushing Performance
Since 1945

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, 70-120mm²
HARTING eCatalogue	https://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

Conductor cross-section	70 ... 120 mm²
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 mm² 14 Nm @ 95 mm² 16 Nm @ 120 mm²

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Technical characteristics

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

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
ECHA SCIP number	1e38d35d-d1be-4585-8e03-95faccd739bf
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
UL / CSA	UL 1977 ECBT2.E235076

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Specifications and approvals

Approvals	DNV GL

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
ETIM	EC000438
UNSPSC 24.0	39121522

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