

Han Q1/0-M-axial screw



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

Part number	09 12 001 2651
Specification	Han Q1/0-M-axial screw
HARTING eCatalogue	https://harting.com/09120012651

Identification

Category	Inserts
Series	Han [®] Q
Identification	1/0 protected

Version

Termination method	Axial screw termination
Gender	Male
Size	3 A
Number of contacts	1

Details	The described connectors are connectors without breaking capacity (COC) according to IEC 61984 and must not be coupled or decoupled under electrical load during use as intended!
	Only cables with protection class 2 shall be used!
	The axial screw termination is suitable for fine stranded wires according to EN 60228 class 5. Using alternative cables have to be tested separately.
	For the assembly within bulkhead mounted housings the described installation conditions of the data and type sheets must be respected.
	Only the housings linked in the eShop shall be used!
	For the connection of the conductor into the axial screw contact use hex key with AF 4.

Technical characteristics

Conductor cross-section	16 ... 25 mm ²
Conductor cross-section [AWG]	AWG 6 ... AWG 4
Rated current	100 A
Rated voltage	400 V
Rated impulse voltage	6 kV



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Technical characteristics

Pollution degree	3
Insulation resistance	$>10^{10} \Omega$
Contact resistance	$\leq 0.3 \text{ m}\Omega$
Stripping length	10 mm
Tightening torque	6 ... 7 Nm
Limiting temperature	-40 ... +125 °C
Mating cycles	≥ 500

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(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) + A1 (2023-10)
Requirement set with Hazard Levels	R22 (HL 1-3) R23 (HL 1-3)



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Specifications and approvals

Specifications	IEC 60664-1
	IEC 61984

Commercial data

Packaging size	1
Net weight	37.391 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140186514
eCl@ss	27440205 Contact insert for industrial connectors
ETIM	EC000438
UNSPSC 24.0	39121522