Pushing Performance
Since 1945

Han 40A axial module, female 2,5-8 mm²

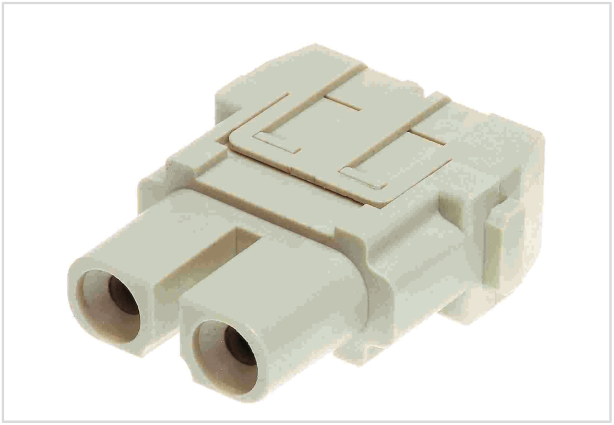

Image is for illustration purposes only. Please refer to product description.

Part number	09 14 002 2701
Specification	Han 40A axial module, female 2,5-8 mm²
HARTING eCatalogue	https://b2b.harting.com/09140022701

Identification

Category	Modules
Series	Han-Modular®
Type of module	Han® 40 A module
Size of the module	Single module

Version

Termination method	Axial screw termination
Gender	Female
Number of contacts	2

Technical characteristics

Conductor cross-section	2.5 ... 8 mm²
Rated current	40 A
Rated voltage	1,000 V
Rated impulse voltage	8 kV
Pollution degree	3
Rated current acc. to UL	16 A @ AWG 14 27 A @ AWG 12 34 A @ AWG 10
Rated voltage acc. to UL	600 V
Rated current acc. to CSA	16 A @ AWG 14 27 A @ AWG 12 34 A @ AWG 10
Insulation resistance	$>10^{10}$ Ω

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Technical characteristics

Contact resistance	≤0.3 mΩ
Stripping length	5 mm @ 2.5 mm² 5 mm @ 4 mm² 8 mm @ 6 mm²
Tightening torque	1.5 Nm @ 2.5 mm² 1.5 Nm @ 4 mm² 2 Nm @ 6 mm²
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
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	EN 60664-1 IEC 61984
Approvals	DNV GL

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Specifications and approvals

UL / CSA	UL 1977 ECBT2.E235076 CSA-C22.2 No. 182.3 ECBT8.E235076 UL 2237 PVVA2.E318390 CSA-C22.2 No. 182.3 PVVA8.E318390

Commercial data

Packaging size	2
Net weight	24 g
Country of origin	Germany
European customs tariff number	85366990
GTIN	5713140019713
eCl@ss	27440217 Module for industrial connectors (power/signals)

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