

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 mm ²
HARTING eCatalogue	https://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 mm ²
Wire outer diameter	≤10.5 mm
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



Pushing Performance
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Technical characteristics

Insulation resistance	>10 ¹⁰ Ω
Contact resistance	≤0.3 mΩ
Stripping length	5 mm @ 2.5 mm ²
	5 mm @ 4 mm ²
	8 mm @ 6 mm ²
	11 mm @ 8 mm ²
Tightening torque	1.5 Nm @ 2.5 mm ²
	1.5 Nm @ 4 mm ²
	2 Nm @ 6 mm ²
	2 Nm @ 8 mm ²
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) + 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
	IEC 61373 Category 1 Class B
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
Approvals	DNV GL

Commercial data

Packaging size	2
Net weight	22 g
Country of origin	Germany
European customs tariff number	85389099
GTIN	5713140019713
eCl@ss	27440217 Module for industrial connectors (power/signals)
ETIM	EC000438
UNSPSC 24.0	39121552