Pushing Performance
Since 1945

Han 16 ES-M insert

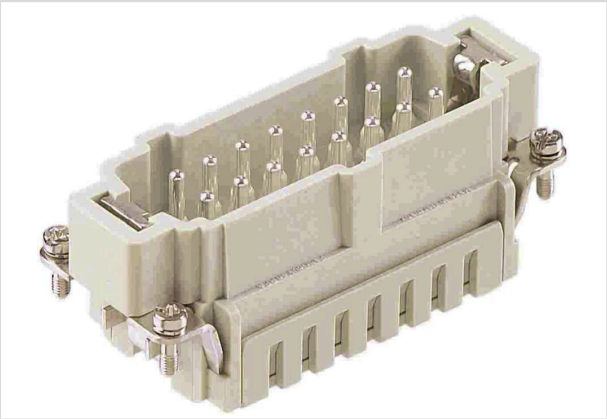

Image is for illustration purposes only. Please refer to product description.

Part number	09 33 016 2616
Specification	Han 16 ES-M insert
HARTING eCatalogue	https://b2b.harting.com/09330162616

Identification

Category	Inserts
Series	Han® ES

Version

Termination method	Cage-clamp termination
Gender	Male
Size	16 B
Number of contacts	16
PE contact	Yes

Technical characteristics

Conductor cross-section	0.14 ... 2.5 mm²
Conductor cross-section	AWG 26 ... AWG 14
Rated current	16 A
Rated voltage	500 V
Rated impulse voltage	6 kV
Pollution degree	3
Rated voltage acc. to UL	600 V
Rated voltage acc. to CSA	600 V
Insulation resistance	$>10^{10}$ Ω
Contact resistance	≤3 mΩ
Stripping length	7 ... 9 mm
Limiting temperature	-40 ... +125 °C

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Technical characteristics

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	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 UL 2237 PVVA2.E318390 CSA-C22.2 No. 182.3 PVVA8.E318390
Approvals	DNV GL

Commercial data

Packaging size	1
Net weight	80 g

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Commercial data

Country of origin	Germany
European customs tariff number	85366990
GTIN	5713140051348
eCl@ss	27440205 Contact insert for industrial connectors

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