

## Han 10 ES-F insert

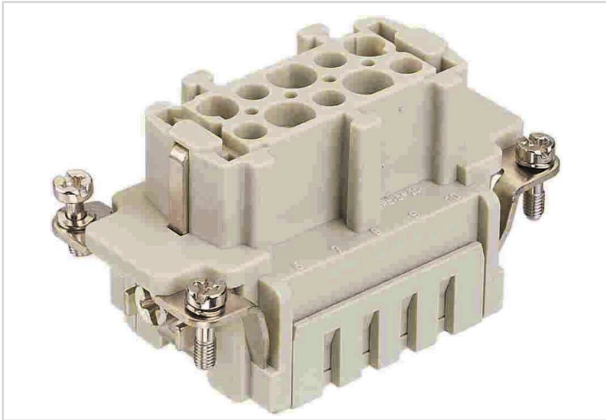


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Part number	09 33 010 2716
Specification	Han 10 ES-F insert
HARTING eCatalogue	<a href="https://b2b.harting.com/09330102716">https://b2b.harting.com/09330102716</a>

### Identification

Category	Inserts
Series	Han <sup>®</sup> ES

### Version

Termination method	Cage-clamp termination
Gender	Female
Size	10 B
Number of contacts	10
PE contact	Yes

### Technical characteristics

Conductor cross-section	0.14 ... 2.5 mm <sup>2</sup>
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 <sup>10</sup> Ω
Contact resistance	≤3 mΩ
Stripping length	7 ... 9 mm
Limiting temperature	-40 ... +125 °C



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## Technical characteristics

Mating cycles	≥500
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## 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
ELV status	compliant
China RoHS	e
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	60 g
Country of origin	Germany



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## Commercial data

European customs tariff number	85366990
GTIN	5713140051102
ETIM	EC000438
eCl@ss	27440205 Contact insert for industrial connectors