

## Han ES 10 POS. M INSERT

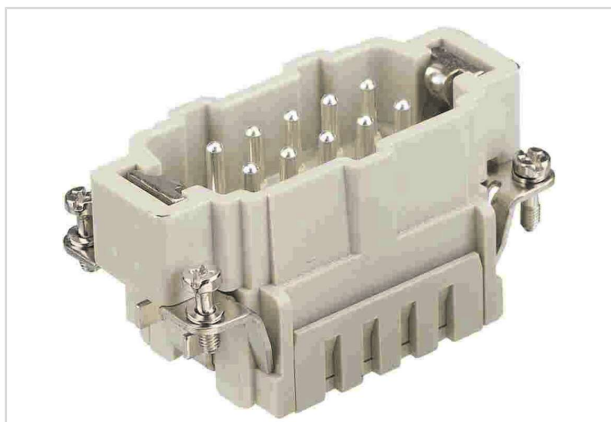


Image is for illustration purposes only. Please refer to product description.

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| Part number        | 09 33 010 2616                                                                        |
| Specification      | Han ES 10 POS. M INSERT                                                               |
| HARTING eCatalogue | <a href="https://b2b.harting.com/09330102616">https://b2b.harting.com/09330102616</a> |

### Identification

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

### Version

|                    |                        |
|--------------------|------------------------|
| Termination method | Cage-clamp termination |
| Gender             | Male                   |
| 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 |
|---------------|------|

## 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<br>Lead |
| ECHA SCIP number                          | 1e38d35d-d1be-4585-8e03-95faccd739bf                              |
| California Proposition 65 substances      | Yes                                                               |
| California Proposition 65 substances      | Lead                                                              |
| Fire protection on railway vehicles       | EN 45545-2 (2020-08)                                              |
| Requirement set with Hazard Levels        | R22 (HL 1-3)<br>R23 (HL 1-3)                                      |

## Specifications and approvals

|                |                                                                                     |
|----------------|-------------------------------------------------------------------------------------|
| Specifications | IEC 60664-1<br>IEC 61984                                                            |
| Approvals      | DNV GL                                                                              |
| UL / CSA       | UL 1977 ECBT2.E235076<br>UL 2237 PVVA2.E318390<br>CSA-C22.2 No. 182.3 PVVA8.E318390 |

## 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                           | 5713140051034                                     |
| eCl@ss                         | 27440205 Contact insert for industrial connectors |