

## Han 3HvES-F

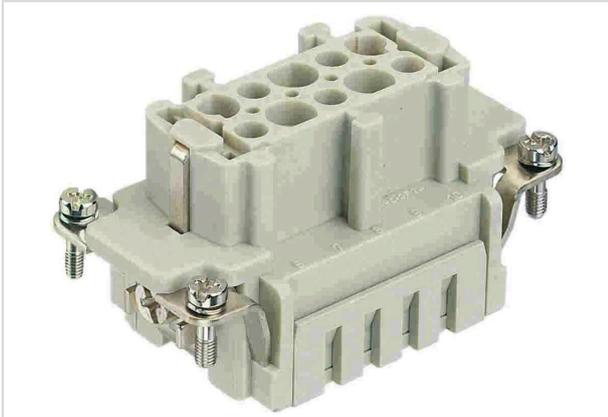


Image is for illustration purposes only. Please refer to product description.

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Part number        | 09 34 003 2716                                                                |
| Specification      | Han 3HvES-F                                                                   |
| HARTING eCatalogue | <a href="https://harting.com/09340032716">https://harting.com/09340032716</a> |

### Identification

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

### Version

|                                   |                                                                        |
|-----------------------------------|------------------------------------------------------------------------|
| Termination method                | Cage-clamp termination                                                 |
| Gender                            | Female                                                                 |
| Size                              | 10 B                                                                   |
| Number of contacts                | 5                                                                      |
| Number of power contacts          | 3                                                                      |
| Number of special contacts        | 2                                                                      |
| Specification of special contacts | Relay contact                                                          |
| PE contact                        | Yes                                                                    |
| Details                           | Not mating compatible to Han Hv E <sup>®</sup> screw/crimp termination |

### Technical characteristics

|                               |                              |
|-------------------------------|------------------------------|
| Conductor cross-section       | 0.14 ... 2.5 mm <sup>2</sup> |
| Conductor cross-section [AWG] | AWG 26 ... AWG 14            |
| Rated current                 | 16 A                         |
| Rated voltage                 | 830 V                        |
| Rated impulse voltage         | 8 kV                         |
| Pollution degree              | 3                            |
| Rated voltage acc. to UL      | 600 V                        |
| Rated voltage acc. to CSA     | 600 V                        |



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## Technical characteristics

|                          |                          |
|--------------------------|--------------------------|
| Insulation resistance    | $>10^{10} \Omega$        |
| Contact resistance       | $\leq 3 \text{ m}\Omega$ |
| Stripping length         | 7 ... 9 mm               |
| Tightening torque        | 1.2 Nm PE screw M4       |
| Recommended screw driver | Slotted 0.8 x 4.5<br>PH2 |
| Limiting temperature     | -40 ... +125 °C          |
| Mating cycles            | $\geq 500$               |

## 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<br>Nickel                                                    |
| Fire protection on railway vehicles       | EN 45545-2 (2020-08)                                              |
| Requirement set with Hazard Levels        | R26                                                               |

## Specifications and approvals

|                |                          |
|----------------|--------------------------|
| Specifications | IEC 60664-1<br>IEC 61984 |
|----------------|--------------------------|



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## Specifications and approvals

UL / CSA UL 1977 ECBT2.E235076

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## Commercial data

|                                |                                                   |
|--------------------------------|---------------------------------------------------|
| Packaging size                 | 1                                                 |
| Net weight                     | 40 g                                              |
| Country of origin              | Germany                                           |
| European customs tariff number | 85366990                                          |
| GTIN                           | 5713140053038                                     |
| eCl@ss                         | 27440205 Contact insert for industrial connectors |
| ETIM                           | EC000438                                          |
| UNSPSC 24.0                    | 39121522                                          |

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