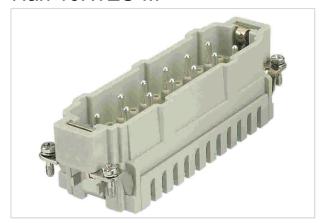


# Han 10HvES-M



| Part number        | 09 34 010 2616                  |
|--------------------|---------------------------------|
| Specification      | Han 10HvES-M                    |
| HARTING eCatalogue | https://harting.com/09340102616 |

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

#### Identification

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

#### Version

| Termination method                | Cage-clamp termination   |
|-----------------------------------|--|
| Gender                            | Male   |
| Size                              | 24 B   |
| Number of contacts                | 12   |
| Number of power contacts          | 10   |
| 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 mm²  |
|-------------------------------|---------------|
| 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         |

Page 1 / 3 | Creation date 2025-06-13 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application.

HARTING Electric Stiftung & Co. KG | Wilhelm-Harting-Straße 1 | 32339 Espelkamp | Germany
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#### Technical characteristics

| Insulation resistance    | >10 <sup>10</sup> Ω      |
|--------------------------|--------------------------|
| Contact resistance       | ≤3 mΩ                    |
| 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            | ≥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        | R22 (HL 1-3)<br>R23 (HL 1-3)                                      |

# Specifications and approvals

| Specifications | IEC 60664-1 |
|----------------|-------------|
| Specifications | IEC 61984   |

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## Specifications and approvals

UL / CSA UL 1977 ECBT2.E235076

#### Commercial data

| Packaging size                 | 1   |
|--------------------------------|---|
| Net weight                     | 89.42 g   |
| Country of origin              | Germany   |
| European customs tariff number | 85366990  |
| GTIN                           | 5713140571662                                     |
| eCl@ss                         | 27440205 Contact insert for industrial connectors |
| UNSPSC 24.0                    | 39121522  |