



Pushing Performance  
Since 1945

# Han ES module, cage clamp female

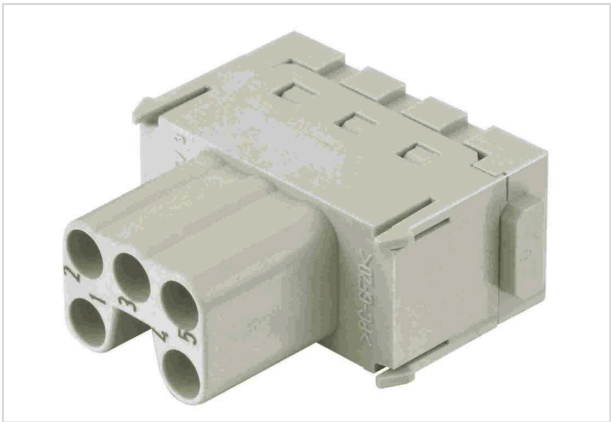


Image is for illustration purposes only. Please refer to product description.

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Part number        | 09 14 005 2716                                                                |
| Specification      | Han ES module, cage clamp female                                              |
| HARTING eCatalogue | <a href="https://harting.com/09140052716">https://harting.com/09140052716</a> |

## Identification

|                    |                |
|--------------------|----------------|
| Category           | Modules        |
| Series             | Han-Modular®   |
| Type of module     | Han® ES module |
| Size of the module | Single module  |

## Version

|                    |                        |
|--------------------|------------------------|
| Termination method | Cage-clamp termination |
| Gender             | Female                 |
| Number of contacts | 5                      |

## Technical characteristics

|                               |                     |
|-------------------------------|---------------------|
| Conductor cross-section (mm²) | 0.14 ... 2.5 mm²    |
| Wire outer diameter           | ≤4.9 mm             |
| Rated current                 | 16 A                |
| Rated voltage                 | 400 V               |
| Rated impulse voltage         | 6 kV                |
| Pollution degree              | 3                   |
| Rated voltage acc. to UL      | 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  $\geq 500$

## 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) + A1 (2023-10)                               |
| Requirement set with Hazard Levels        | R22 (HL 1-3)<br>R23 (HL 1-3)                                      |

## Specifications and approvals

|                |                                                                                     |
|----------------|-------------------------------------------------------------------------------------|
| Specifications | IEC 60664-1<br>IEC 61984<br>IEC 61373 Category 2                                    |
| UL / CSA       | UL 1977 ECBT2.E235076<br>UL 2237 PVVA2.E318390<br>CSA-C22.2 No. 182.3 PVVA8.E318390 |
| Approvals      | DNV GL                                                                              |

## Commercial data

|                |   |
|----------------|---|
| Packaging size | 2 |
|----------------|---|



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Commercial data

|                                |                                                           |
|--------------------------------|-----------------------------------------------------------|
| Net weight                     | 0.485 g                                                   |
| Country of origin              | Germany                                                   |
| European customs tariff number | 85389099                                                  |
| GTIN                           | 5713140020290                                             |
| eCl@ss                         | 27440217 Module for industrial connectors (power/signals) |
| ETIM                           | EC000438                                                  |
| UNSPSC 24.0                    | 39121552                                                  |