

## Han ES 16 Pos. F Insert Cage Clamp Term



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

|                    |   |
|--------------------|---|
| Part number        | 09 33 016 2725  |
| Specification      | Han ES 16 Pos. F Insert Cage Clamp Term   |
| HARTING eCatalogue | <a href="https://b2b.harting.com/09330162725">https://b2b.harting.com/09330162725</a> |

### Identification

|               |                       |
|---------------|-----------------------|
| Category      | Inserts               |
| Series        | Han <sup>®</sup> ES   |
| Specification | With 4 relay contacts |

### Version

|                    |                        |
|--------------------|------------------------|
| Termination method | Cage-clamp termination |
| Gender             | Female                 |
| Size               | 16 B                   |
| Number of contacts | 12                     |
| PE contact         | Yes                    |

### Technical characteristics

|                           |  |
|---------------------------|--|
| Conductor cross-section   | 0.14 ... 2.5 mm <sup>2</sup><br>0.5 ... 4 mm <sup>2</sup> Relay contacts |
| 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  |



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## Technical characteristics

|                      |                 |
|----------------------|-----------------|
| Stripping length     | 7 ... 9 mm      |
| 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                    |
| ELV status                                | compliant with exemption     |
| China RoHS                                | 50                           |
| REACH Annex XVII substances               | Not contained                |
| REACH ANNEX XIV substances                | Not contained                |
| REACH SVHC substances                     | Not contained                |
| 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                     | 141 g    |
| Country of origin              | Romania  |
| European customs tariff number | 85366990 |



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## Commercial data

|        |   |
|--------|---|
| GTIN   | 5713140186217                                     |
| eCl@ss | 27440205 Contact insert for industrial connectors |