

# Han ESS 16 Pos. F Insert Double Cage Cla

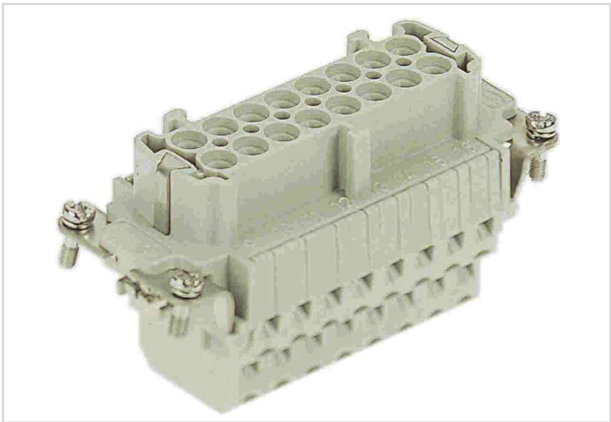


Image is for illustration purposes only. Please refer to product description.

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| Part number        | 09 33 016 2772                                                                        |
| Specification      | Han ESS 16 Pos. F Insert Double Cage Cla                                              |
| HARTING eCatalogue | <a href="https://b2b.harting.com/09330162772">https://b2b.harting.com/09330162772</a> |

## Identification

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

## Version

|                    |                                                                           |
|--------------------|---------------------------------------------------------------------------|
| Termination method | Cage-clamp termination                                                    |
| Gender             | Female                                                                    |
| Size               | 16 B                                                                      |
| Number of contacts | 16                                                                        |
| PE contact         | Yes                                                                       |
| Details            | two terminations per contact<br>for hoods/housings high construction only |

## 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                        |



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## Technical characteristics

|                      |                 |
|----------------------|-----------------|
| Stripping length     | 9 ... 11 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 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                     | Lead                                                   |
| ECHA SCIP number                          | 5dbb3851-b94e-4e88-97a1-571845975242                   |
| 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<br>IEC 61984                                   |
| Approvals      | DNV GL                                                     |
| UL / CSA       | UL 1977 ECBT2.E235076<br>CSA-C22.2 No. 182.3 ECBT8.E235076 |

## Commercial data

|                |   |
|----------------|---|
| Packaging size | 1 |
|----------------|---|



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Commercial data

|                                |                                                   |
|--------------------------------|---------------------------------------------------|
| Net weight                     | 124.3 g                                           |
| Country of origin              | Romania                                           |
| European customs tariff number | 85366990                                          |
| GTIN                           | 5713140051560                                     |
| eCl@ss                         | 27440205 Contact insert for industrial connectors |