



Pushing Performance  
Since 1945

# Han 10A-F-S, w. Wire Protection



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

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Part number        | 09 20 010 2814                                                                |
| Specification      | Han 10A-F-S, w. Wire Protection                                               |
| HARTING eCatalogue | <a href="https://harting.com/09200102814">https://harting.com/09200102814</a> |

## Identification

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

## Version

|                      |                   |
|----------------------|-------------------|
| Termination method   | Screw termination |
| Gender               | Female            |
| Size                 | 10 A              |
| With wire protection | Yes               |
| Number of contacts   | 10                |
| PE contact           | Yes               |

## Technical characteristics

|                          |                              |
|--------------------------|------------------------------|
| Conductor cross-section  | 0.75 ... 2.5 mm <sup>2</sup> |
| Rated current            | 16 A                         |
| Rated voltage            | 250 V                        |
| Rated impulse voltage    | 4 kV                         |
| Pollution degree         | 3                            |
| Rated voltage acc. to UL | 600 V                        |
| Insulation resistance    | >10 <sup>10</sup> Ω          |
| Tightening torque        | 0.5 Nm                       |
| Limiting temperature     | -40 ... +125 °C              |
| Mating cycles            | ≥500                         |



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## 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                          | 564b7d75-7bf6-4cfb-acb1-2168eb61b675                   |
| 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 |
| UL / CSA       | UL 1977 ECBT2.E235076    |
| Approvals      | DNV GL                   |

## Commercial data

|                                |               |
|--------------------------------|---------------|
| Packaging size                 | 1             |
| Net weight                     | 30 g          |
| Country of origin              | Romania       |
| European customs tariff number | 85366990      |
| GTIN                           | 5713140039445 |
| ETIM                           | EC000438      |



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## Commercial data

eCl@ss

27440205 Contact insert for industrial connectors