

Han 16A-F-s (33-48) wire protection



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

| | |
|--------------------|---|
| Part number | 09 20 016 2816 |
| Specification | Han 16A-F-s (33-48) wire protection |
| HARTING eCatalogue | https://harting.com/09200162816 |

Identification

| | |
|---------------|--------------------|
| Category | Inserts |
| Series | Han A [®] |
| Specification | Continuing marking |

Version

| | |
|------------------------|---|
| Termination method | Screw termination |
| Gender | Female |
| Size | 32 A |
| With wire protection | Yes |
| Number of contacts | 32 |
| PE contact | Yes |
| Contact identification | 33 ... 48 |
| Details | You need two inserts for a complete assembly! |

Technical characteristics

| | |
|--------------------------|------------------------------|
| Conductor cross-section | 0.75 ... 2.5 mm ² |
| 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 ¹⁰ Ω |
| Contact resistance | ≤1 mΩ |



Pushing Performance
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Technical characteristics

| | |
|--------------------------|--------------------------|
| Tightening torque | 0.5 Nm Contact screw M3 |
| | 0.5 Nm Fixing screws M3 |
| | 0.8 Nm PE screw M3.5 |
| Recommended screw driver | Slotted 0.6 x 3.5 PH1 |
| 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 | 564b7d75-7bf6-4cfb-acb1-2168eb61b675 |
| California Proposition 65 substances | Yes |
| California Proposition 65 substances | Lead Nickel |
| Fire protection on railway vehicles | EN 45545-2 (2020-08) + A1 (2023-10) |
| Requirement set with Hazard Levels | R22 (HL 1-3) R23 (HL 1-3) |

Specifications and approvals

| | |
|----------------|-----------------------|
| Specifications | IEC 60664-1 |
| | IEC 61984 |
| UL / CSA | UL 1977 ECBT2.E235076 |
| Approvals | DNV GL |



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Commercial data

| | |
|--------------------------------|---|
| Packaging size | 1 |
| Net weight | 67.6 g |
| Country of origin | Romania |
| European customs tariff number | 85366990 |
| GTIN | 5713140185432 |
| eCl@ss | 27440205 Contact insert for industrial connectors |
| ETIM | EC000438 |
| UNSPSC 24.0 | 39121522 |