



Pushing Performance  
Since 1945

# Han High Temp 16E-s Male

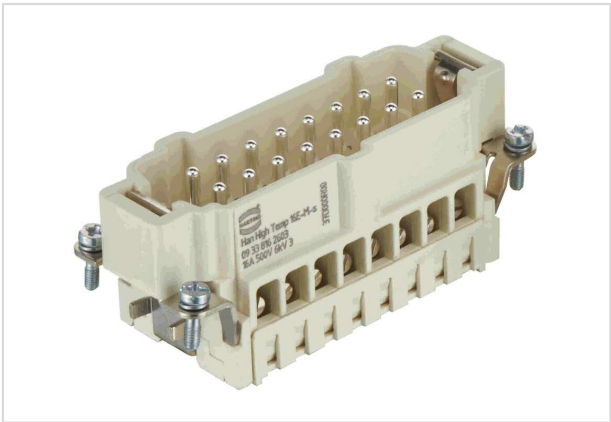


Image is for illustration purposes only. Please refer to product description.

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Part number        | 09 33 816 2603                                                                |
| Specification      | Han High Temp 16E-s Male                                                      |
| HARTING eCatalogue | <a href="https://harting.com/09338162603">https://harting.com/09338162603</a> |

## Identification

|          |                              |
|----------|------------------------------|
| Category | Inserts                      |
| Series   | Han E <sup>®</sup> High Temp |

## Version

|                      |                   |
|----------------------|-------------------|
| Termination method   | Screw termination |
| Gender               | Male              |
| Size                 | 16 B              |
| With wire protection | Yes               |
| Number of contacts   | 16                |
| PE contact           | Yes               |

## Technical characteristics

|                               |                              |
|-------------------------------|------------------------------|
| Conductor cross-section       | 0.75 ... 2.5 mm <sup>2</sup> |
| Conductor cross-section [AWG] | AWG 18 ... AWG 14            |
| Rated current                 | 16 A                         |
| Rated voltage                 | 500 V                        |
| Rated impulse voltage         | 6 kV                         |
| Pollution degree              | 3                            |
| Insulation resistance         | >10 <sup>10</sup> Ω          |
| Contact resistance            | ≤1 mΩ                        |
| Stripping length              | 7.5 mm                       |



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## Technical characteristics

|                          |                                                |
|--------------------------|------------------------------------------------|
| Tightening torque        | 0.5 Nm Contact screw M3                        |
|                          | 0.5 Nm Fixing screws M3                        |
|                          | 1.2 Nm PE screw M4                             |
| Recommended screw driver | Slotted 0.6 x 3.5                              |
|                          | PH1                                            |
|                          | PH2                                            |
| Limiting temperature     | -40 ... +200 °C With Han® High Temp components |
| Mating cycles            | ≥500                                           |

## Material properties

|                                           |                                                        |
|-------------------------------------------|--------------------------------------------------------|
| Material (insert)                         | Liquid crystal polymer (LCP)                           |
| 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) + 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             |
|                | UL 2237 PVVA2.E318390             |
|                | CSA-C22.2 No. 182.3 PVVA8.E318390 |



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## Specifications and approvals

|           |        |
|-----------|--------|
| Approvals | DNV GL |
|-----------|--------|

## Commercial data

|                                |                                                   |
|--------------------------------|---------------------------------------------------|
| Packaging size                 | 1                                                 |
| Net weight                     | 90 g                                              |
| Country of origin              | Romania                                           |
| European customs tariff number | 85366990                                          |
| GTIN                           | 5713140186019                                     |
| eCl@ss                         | 27440205 Contact insert for industrial connectors |
| ETIM                           | EC000438                                          |
| UNSPSC 24.0                    | 39121522                                          |