

# Han M12 Crimp X-coded male met union nut

|  | Part number        | 09 14 881 1806                           |
|--|--------------------|--|
|  | Specification      | Han M12 Crimp X-coded male met union nut |
|  | HARTING eCatalogue | https://b2b.harting.com/09148811806      |
|  |                    |  |
|  |                    |  |
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|  |                    |  |
|  |                    |  |

#### Identification

| Category      | Inserts                  |
|---------------|--------------------------|
| Series        | Han-Modular <sup>®</sup> |
| Specification | With metal nut           |

#### Version

| Termination method | Crimp termination                       |
|--------------------|---|
| Gender             | Male                                    |
| Number of contacts | 8                                       |
| further contacts   | + shielding                             |
| Coding             | X-coding                                |
| Details            | Please order crimp contacts separately. |

#### Technical characteristics

| Conductor cross-section      | 0.08 0.25 mm²  |
|------------------------------|--|
| Conductor cross-section      | AWG 28 AWG 23  |
| Wire outer diameter          | ≤1.4 mm  |
| Rated current                | 0.5 A  |
| Rated voltage                | 32 V   |
| Rated impulse voltage        | 0.8 kV   |
| Pollution degree             | 3  |
| Transmission characteristics | Cat. 6 <sub>A</sub> Class E <sub>A</sub> up to 500 MHz |



#### Technical characteristics

| Data rate                     | 10 Mbit/s 100 Mbit/s 1 Gbit/s 2.5 Gbit/s 5 Gbit/s 10 Gbit/s |
|-------------------------------|---|
| Insulation resistance         | >10 <sup>8</sup> Ω  |
| Contact resistance            | ≤10 mΩ  |
| Contact resistance, shielding | ≤100 mΩ   |
| Tightening torque             | 0.6 Nm  |
| Wrench size                   | 12<br>13  |
| Limiting temperature          | -40 +85 °C  |
| Mating cycles                 | ≥500  |

### Material properties

| Material (insert)                         | Liquid crystal polymer (LCP) |
|---|------------------------------|
| Material (shielding)                      | Copper alloy, nickel plated  |
| Material flammability class acc. to UL 94 | V-0                          |
| RoHS                                      | compliant                    |
| ELV status                                | compliant                    |
| China RoHS                                | е                            |
| REACH Annex XVII substances               | Not contained                |
| REACH ANNEX XIV substances                | Not contained                |
| REACH SVHC substances                     | Not contained                |
| California Proposition 65 substances      | Not contained                |

## Specifications and approvals

| Specifications | IEC 60664-1 |
|----------------|-------------|
| Specifications | IEC 61984   |

#### Commercial data

| Packaging size                 | 1             |
|--------------------------------|---------------|
| Country of origin              | Romania       |
| European customs tariff number | 85366990      |
| GTIN                           | 5713140187818 |

Product data sheet 09 14 881 1806 Han M12 Crimp X-coded male met union nut



#### Commercial data

eCl@ss

27440205 Contact insert for industrial connectors