



Pushing Performance  
Since 1945

# Han 12Q-FI-CRT- Hybrid



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

|                    |   |
|--------------------|---|
| Part number        | 09 12 012 3106  |
| Specification      | Han 12Q-FI-CRT- Hybrid  |
| HARTING eCatalogue | <a href="https://b2b.harting.com/09120123106">https://b2b.harting.com/09120123106</a> |

## Identification

|                |                    |
|----------------|--------------------|
| Category       | Inserts            |
| Series         | Han <sup>®</sup> Q |
| Identification | Hybrid             |

## Version

|                           |   |
|---------------------------|---|
| Termination method        | Crimp termination   |
| Gender                    | Female  |
| Size                      | 3 A   |
| Number of contacts        | 8   |
| Number of signal contacts | 4   |
| Number of power contacts  | 4   |
| PE contact                | Yes   |
| Details                   | Please order crimp contacts separately.   |
|                           | 4x Han E <sup>®</sup>   |
|                           | 4x Han D <sup>®</sup>   |
|                           | Please order data or coding element separately.   |
| Details                   | Please contact your local HARTING subsidiary for selection of suitable angled hood or housing in case of application with data element. |

## Technical characteristics

|                               |                                     |
|-------------------------------|-------------------------------------|
| Conductor cross-section       | 0.14 ... 2.5 mm <sup>2</sup> Signal |
|                               | 0.14 ... 4 mm <sup>2</sup> Power    |
| Conductor cross-section [AWG] | AWG 26 ... AWG 14 Signal            |
|                               | AWG 26 ... AWG 12 Power             |
| Rated current (signal)        | 10 A                                |



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## Technical characteristics

|                                |                   |
|--------------------------------|-------------------|
| Rated voltage (signal)         | 250 V             |
| Rated impulse voltage (signal) | 4 kV              |
| Pollution degree (signal)      | 3                 |
| Rated current (power)          | 20 A              |
| Rated voltage (power)          | 600 V             |
| Rated impulse voltage (power)  | 6 kV              |
| Pollution degree (power)       | 3                 |
| Insulation resistance          | $>10^{10} \Omega$ |
| Limiting temperature           | -40 ... +125 °C   |
| Mating cycles                  | $\geq 500$        |

## Material properties

|   |                              |
|---|------------------------------|
| Material (insert)                         | Polycarbonate (PC)           |
| Colour (insert)                           | RAL 7032 (pebble grey)       |
| Material flammability class acc. to UL 94 | V-0                          |
| RoHS                                      | compliant                    |
| ELV status                                | compliant                    |
| China RoHS                                | e                            |
| REACH Annex XVII substances               | Not contained                |
| REACH ANNEX XIV substances                | Not contained                |
| REACH SVHC substances                     | Not contained                |
| 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 |
|----------------|--------------------------|

## Commercial data

|                |        |
|----------------|--------|
| Packaging size | 10     |
| Net weight     | 10.2 g |



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Commercial data

|                                |   |
|--------------------------------|---|
| Country of origin              | China   |
| European customs tariff number | 85366990  |
| GTIN                           | 5713140282728                                     |
| ETIM                           | EC000438  |
| eCl@ss                         | 27440205 Contact insert for industrial connectors |