



Pushing Performance  
Since 1945

# Han 12Q-MI-CRT- Hybrid



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

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Part number        | 09 12 012 3006                                                                |
| Specification      | Han 12Q-MI-CRT- Hybrid                                                        |
| HARTING eCatalogue | <a href="https://harting.com/09120123006">https://harting.com/09120123006</a> |

## Identification

|                |         |
|----------------|---------|
| Category       | Inserts |
| Series         | Han® Q  |
| Identification | Hybrid  |

## Version

|                           |                                                                                                                                         |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Termination method        | Crimp termination                                                                                                                       |
| Gender                    | Male                                                                                                                                    |
| 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®                                                                                                                               |
|                           | 4x Han D®                                                                                                                               |
|                           | 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 mm² Signal  |
|                               | 0.14 ... 4 mm² 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      | Nickel                              |
| Fire protection on railway vehicles       | EN 45545-2 (2020-08) + A1 (2023-10) |
| 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        | 9.6 g |
| Country of origin | China |



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Commercial data

|                                |                                                   |
|--------------------------------|---------------------------------------------------|
| European customs tariff number | 85366990                                          |
| GTIN                           | 5713140282711                                     |
| eCl@ss                         | 27440205 Contact insert for industrial connectors |
| ETIM                           | EC000438                                          |
| UNSPSC 24.0                    | 39121522                                          |