



**Pushing Performance**  
 Since 1945

## Han 12Q-MI-CRT- Hybrid - Data



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

Part number	09 12 012 3005
Specification	Han 12Q-MI-CRT- Hybrid - Data
HARTING eCatalogue	<a href="https://b2b.harting.com/09120123005">https://b2b.harting.com/09120123005</a>

### Identification

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

### Version

Termination method	Crimp termination
Gender	Male
Size	3 A
Number of contacts	12
Number of data contacts	4
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>
	4x M12 for data element

Details

**ATTENTION!** The rated voltage (Power 600V, Signal 250V) of the insert which is designed for basic insulation with protective grounding only applies if the shield of the data element is connected to the ground potential. When the shield of the data element is not connected to the ground potential, rated voltages will reduce to 320V for Power and 150V for Signal.



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## Technical characteristics

Conductor cross-section	0.13 ... 0.33 mm <sup>2</sup> Data
	0.14 ... 2.5 mm <sup>2</sup> Signal
	0.14 ... 4 mm <sup>2</sup> Power
Conductor cross-section	AWG 26 ... AWG 22 Data
	AWG 26 ... AWG 14 Signal
	AWG 26 ... AWG 12 Power
Rated current (data)	2 A
Rated voltage (data)	32 V
Rated impulse voltage (data)	0.8 kV
Pollution degree (data)	3
Rated current (signal)	10 A
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
Transmission characteristics	Cat. 5 Class D up to 100 MHz
Data rate	10 Mbit/s
	100 Mbit/s
Insulation resistance	>10 <sup>10</sup> Ω
Limiting temperature	-40 ... +85 °C
Mating cycles	≥500

## Material properties

Material (insert)	Polycarbonate (PC)
Colour (insert)	RAL 7032 (pebble grey)
Material (shielding)	Copper alloy, nickel plated
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



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## Material properties

REACH SVHC substances	Not contained
California Proposition 65 substances	Yes
California Proposition 65 substances	Lead Nickel
Fire protection on railway vehicles	EN 45545-2 (2020-08)
Requirement set with Hazard Levels	R22 (HL 1-3) R23 (HL 1-3)

## Specifications and approvals

Specifications	IEC 60664-1 IEC 61984
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## Commercial data

Packaging size	1
Net weight	17.27 g
Country of origin	China
European customs tariff number	85366990
GTIN	5713140282735
eCl@ss	27440205 Contact insert for industrial connectors