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Han 12Q-FI-CRT- Hybrid - Data



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

Part number	09 12 012 3105
Specification	Han 12Q-FI-CRT- Hybrid - Data
HARTING eCatalogue	https://harting.com/09120123105

Identification

Category	Inserts
Series	Han® Q
Identification	Hybrid - Data

Version

Termination method	Crimp termination
Gender	Female
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® 4x Han D® 4x M12 for data element
Details	ATTENTION! The rated voltage (Power 600 V, Signal 250 V) 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 320 V for Power and 150 V for Signal, rated impulse voltage 4 kV for Power and 2.5 kV for Signal.

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Technical characteristics

Conductor cross-section (mm²)	0.13 ... 0.33 mm² Data 0.14 ... 2.5 mm² Signal 0.14 ... 4 mm² Power
Conductor cross-section (AWG)	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	$>10^{10}$ 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) + 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

Commercial data

Packaging size	10
Net weight	18.05 g
Country of origin	China
European customs tariff number	85366990
GTIN	5713140282742
eCl@ss	27440205 Contact insert for industrial connectors
ETIM	EC000438
UNSPSC 24.0	39121522

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