

## Han F+B Hybrid female



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

Part number	09 15 512 3102
Specification	Han F+B Hybrid female
HARTING eCatalogue	<a href="https://b2b.harting.com/09155123102">https://b2b.harting.com/09155123102</a>

### Identification

Category	Inserts
Series	Han <sup>®</sup> F+B

### Version

Termination method	Crimp termination
Gender	Female
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 incl. Ethernet element

### Technical characteristics

Conductor cross-section	0.14 ... 4 mm <sup>2</sup>
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



Pushing Performance

## Technical characteristics

Rated voltage (power)	400 V
Rated impulse voltage (power)	6 kV
Pollution degree (power)	3
Insulation resistance	$>10^{10} \Omega$
Limiting temperature	-40 ... +125 °C
Mating cycles	$\geq 500$
Mating cycles with other HMC components	$\geq 3,000$
Transmission characteristics	Cat. 5 Class D up to 100 MHz

## 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	No
REACH ANNEX XIV substances	No
REACH SVHC substances	No

## Commercial data

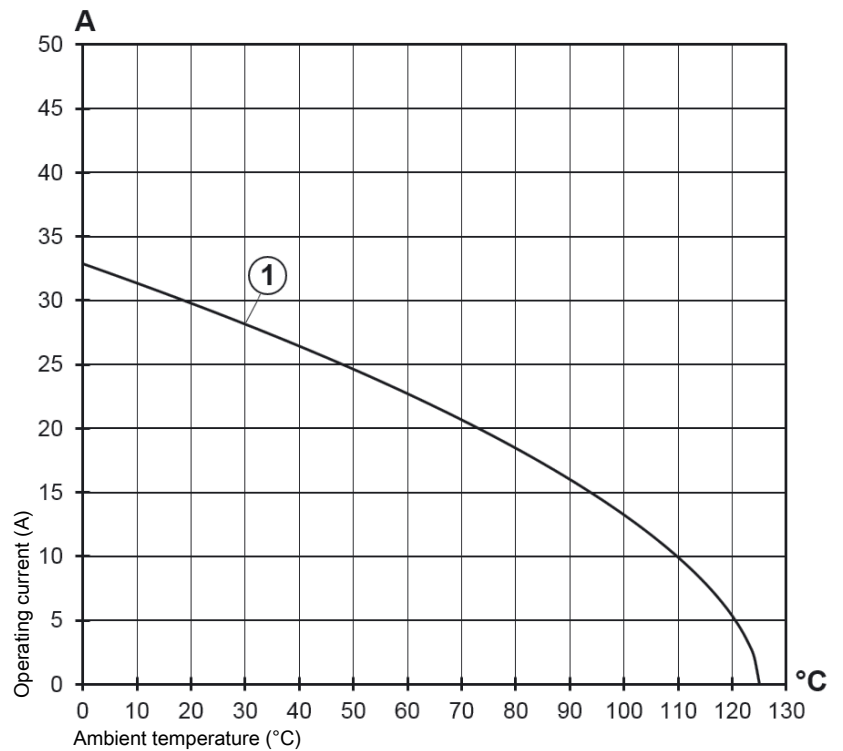
Packaging size	1
Net weight	23.8 g
Country of origin	Germany
European customs tariff number	85366990
eCl@ss	27440205 Contact insert for industrial connectors



### Current carrying capacity

The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (non-intermittent) through each contact element of the connector evenly, without exceeding the allowed maximum temperature.

Measuring and testing techniques acc. to IEC 60512-5-2



① Conductor cross-section 2.5 mm<sup>2</sup>  
Current rating of the Han E<sup>®</sup> contacts

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