

Han F+B Hybrid male

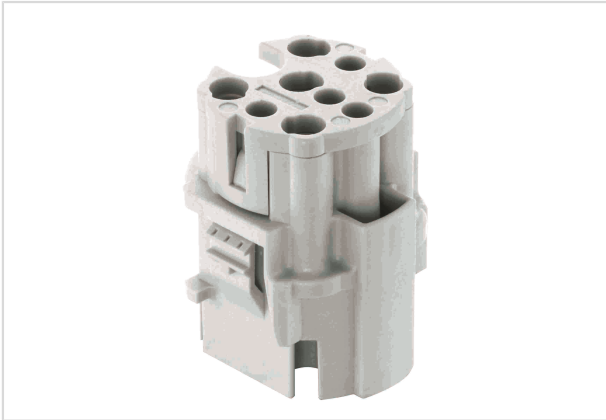


Image is for illustration purposes only. Please refer to product description.

Part number	09 15 512 3002
Specification	Han F+B Hybrid male
HARTING eCatalogue	https://b2b.harting.com/09155123002

Identification

Category	Inserts
Series	Han [®] F+B

Version

Termination method	Crimp termination
Gender	Male
Number of contacts	4
Additional contacts	+ 4 additional signal contacts + 1 Data
PE contact	Yes
Details	Please order crimp contacts separately. 4x Han E [®] 4x Han D [®] 4x M12 for data element incl. Ethernet element

Technical characteristics

Conductor cross-section	0.14 ... 4 mm ²
Rated current	20 A
Rated voltage	400 V
Rated impulse voltage	6 kV
Pollution degree	3
Rated current (signal)	10 A
Rated voltage (signal)	250 V



Pushing Performance

Technical characteristics

Rated impulse voltage (signal)	4 kV
Pollution degree (signal)	3
Insulation resistance	$>10^{10} \Omega$
Limiting temperature	-40 ... +125 °C
Mating cycles	≥ 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

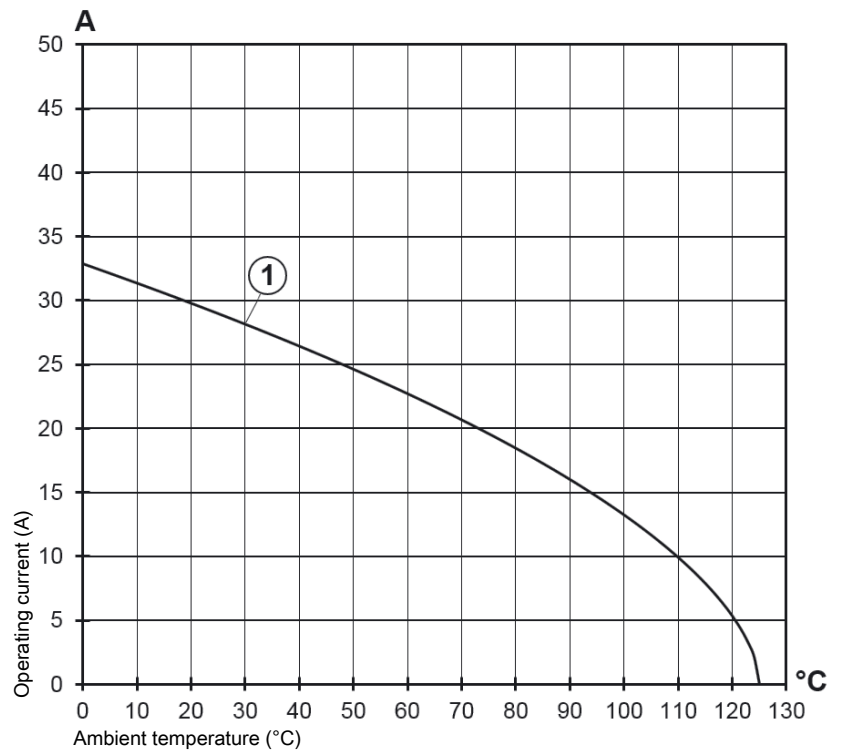
Packaging size	100
Net weight	22 g
Country of origin	Germany
European customs tariff number	85366990
eCl@ss	27440205 Contact insert for industrial connectors



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 mm²
Current rating of the Han E[®] contacts