



Pushing Performance  
Since 1945

# 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	<a href="https://b2b.harting.com/09155123002">https://b2b.harting.com/09155123002</a>

## Identification

Category	Inserts
Series	Han® F+B

## Version

Termination method	Crimp termination
Gender	Male
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 incl. Ethernet element

## Technical characteristics

Conductor cross-section	0.14 ... 4 mm²
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



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## Technical characteristics

Rated voltage (power)	400 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	$>10^{10} \Omega$
Limiting temperature	-40 ... +125 °C
Mating cycles	$\geq 3,000$
Note on the mating cycles	Mating cycles with other HMC components

## 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	Lead
	Nickel

## Commercial data

Packaging size	1
Net weight	22 g
Country of origin	Germany
European customs tariff number	85366990
GTIN	5713140186729
ETIM	EC000438
eCl@ss	27440205 Contact insert for industrial connectors