

Han F+B 4/4-F



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

Part number	09 15 508 3101
Specification	Han F+B 4/4-F
HARTING eCatalogue	https://b2b.harting.com/09155083101

Identification

Category	Inserts
Series	Han [®] F+B

Version

Termination method	Crimp termination
Gender	Female
Number of contacts	8
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 [®]

Details

The connector series Han[®] F+B equipped with all contacts may be used for voltages up to 400 V, pollution degree 3. A modified contact loading arrangement only with 4 + PE Han E[®] power contacts permits use up to 500 V also in the same pollution degree.

Technical characteristics

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



Pushing Performance
Since 1945

Technical characteristics

Rated current (power)	20 A
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	≥ 500
Mating cycles with other HMC components	$\geq 3,000$

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
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

UL / CSA	UL 2237 PVVA2.E318390
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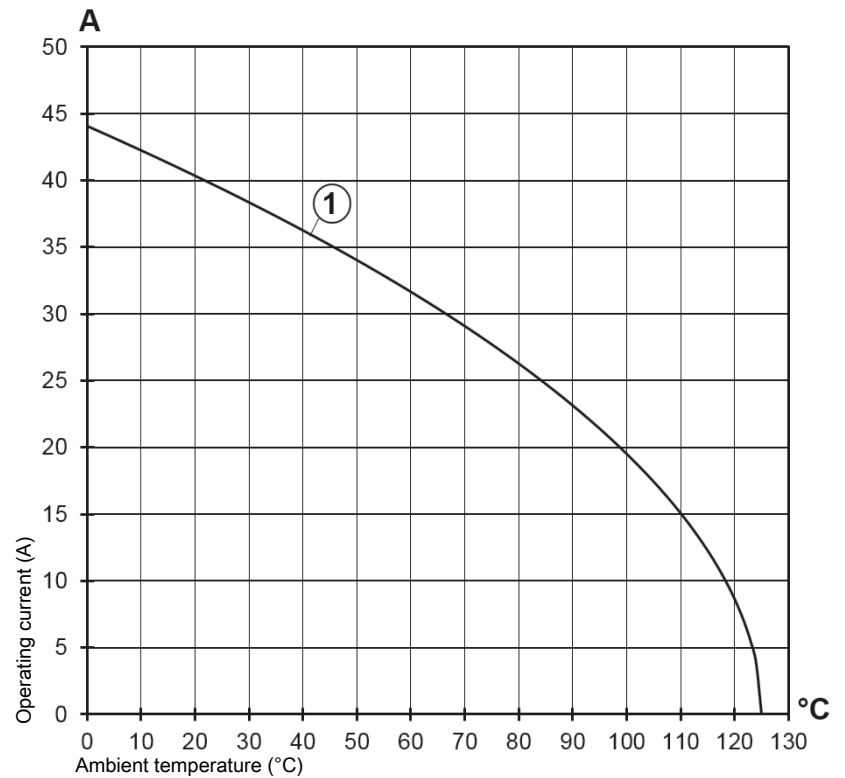
Commercial data

Packaging size	1
Net weight	15.6 g
Country of origin	Germany
European customs tariff number	85389099
GTIN	5713140023666
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 4 mm²
Current rating of the Han E[®] contacts