Pushing Performance
Since 1945

HPP V4 / V14 Signal PFT insert 10-pole

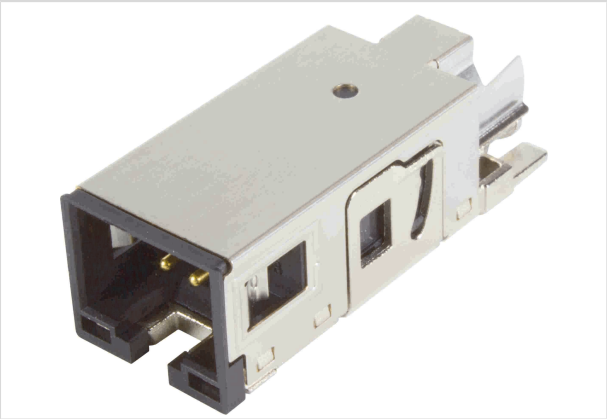

Image is for illustration purposes only. Please refer to product description.

Part number	09 45 545 9010
Specification	HPP V4 / V14 Signal PFT insert 10-pole
HARTING eCatalogue	https://b2b.harting.com/09455459010

Identification

Category	Connectors
Series	HARTING PushPull (V4)
Identification	Signal
Element	Inserts
Specification	for panel feed through HIFF

Version

Termination method	Crimp termination
Shielding	Fully shielded, 360° shielding contact
Number of contacts	10
Pack contents	incl. male insert

Technical characteristics

Conductor cross-section	0.13 ... 0.82 mm²
Conductor cross-section	AWG 26 ... AWG 18
Wire outer diameter	≤2.1 mm
Contact spacing (termination side)	2.4 mm 3 mm
Contact spacing (mating side)	2.4 mm 3 mm
Rated current	5 A
Rated voltage	50 V
Rated impulse voltage	1.5 kV
Pollution degree	3

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Technical characteristics

Clearance distance	≥1.4 mm
Creepage distance	≥1.4 mm
Insulation resistance	$>10^9$ Ω
Contact resistance	≤10 mΩ
Limiting temperature	-40 ... +85 °C
Insertion force	50 N
Withdrawal force	50 N
Mating cycles	≥500
Test voltage $U_{r.m.s.}$	1.5 kV (contact-contact) 1.5 kV (contact-ground)
Isolation group	I (600 ≤ CTI)

Material properties

Material (contacts)	Copper alloy
Surface (contacts)	Noble metal over Ni Mating side Noble metal over Ni Termination side
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

Specifications and approvals

Specifications	IEC 61076-3-106 Variant 4 (V4)
Approvals	DNV GL
UL / CSA	UL 1977 ECBT2.E102079 CSA-C22.2 No. 182.3 ECBT8.E102079
PROFINET	Yes

Commercial data

Packaging size	1

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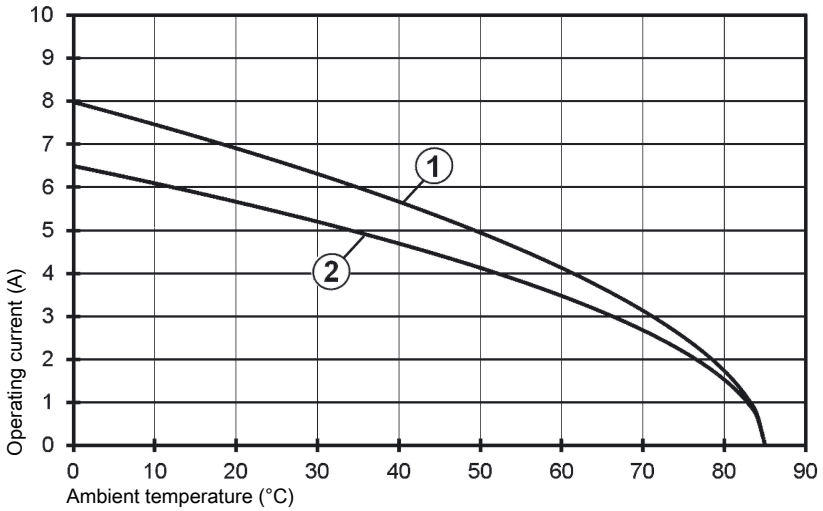
Commercial data

Net weight	20.2 g
Country of origin	Germany
European customs tariff number	85366990
GTIN	5713140061453
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 Turned
② Stamped
Conductor cross-section 0.75 mm²

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.
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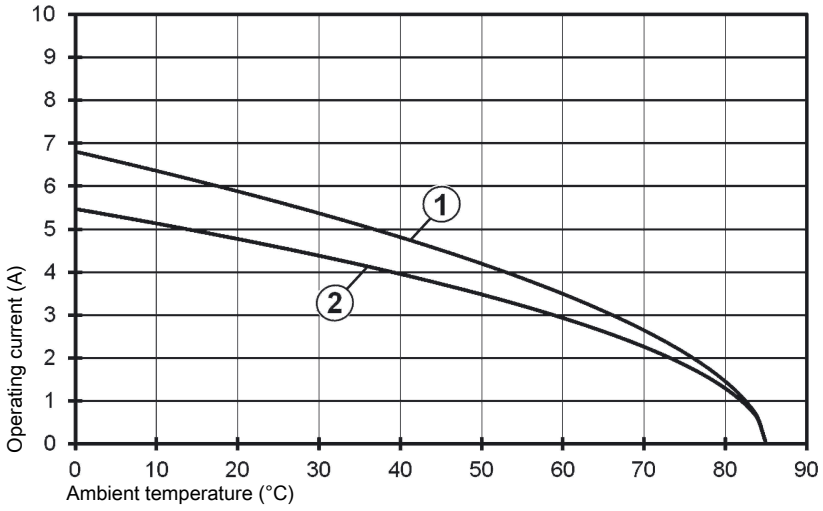

① Turned
② Stamped
Conductor cross-section 0.5 mm²

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