

HPP V4 Signal THT 10-pole vertical jack



Part number	09 45 545 9012
Specification	HPP V4 Signal THT 10-pole vertical jack
HARTING eCatalogue	https://b2b.harting.com/09455459012

Identification

Category	Connector
Series	HARTING PushPull (V4)
Identification	Signal
Element	Solder jack
Specification	Straight

Version

Termination method	Solder termination
Shielding	Fully shielded, 360° shielding contact
Number of contacts	10

Technical characteristics

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
Clearance distance	≥1.4 mm
Creepage distance	≥1.4 mm
Insulation resistance	>10 ⁹ Ω
Contact resistance	≤10 mΩ



Pushing Performance

Technical characteristics

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 ($600 \leq CTI$)
Vibration resistance	10-500 Hz, 5 g, 0.35 mm, 10 sweep cycles acc. to IEC 61373 Category 1 Class B
Shock resistance	50 g / 11 ms, 10 shocks / axis and direction

Material properties

Material (contacts)	Copper alloy
Surface (contacts)	Sn over Ni Termination side Au over Pd/Ni over Ni Mating side
RoHS	compliant with exemption
RoHS exemptions	6(c): Copper alloy containing up to 4 % lead by weight
ELV status	compliant with exemption
China RoHS	50
REACH Annex XVII substances	No
REACH ANNEX XIV substances	No
REACH SVHC substances	Yes
REACH SVHC substances	Lead

Specifications and approvals

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

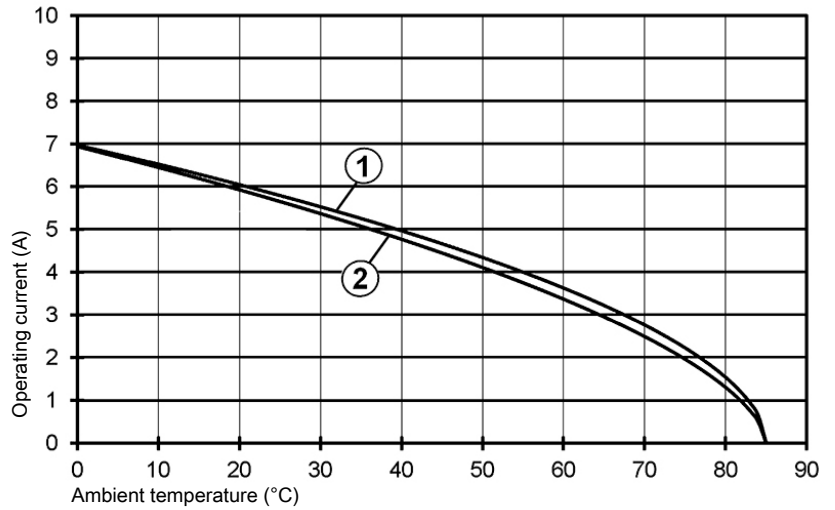
Commercial data

Packaging size	40
Net weight	5.79 g
Country of origin	China
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

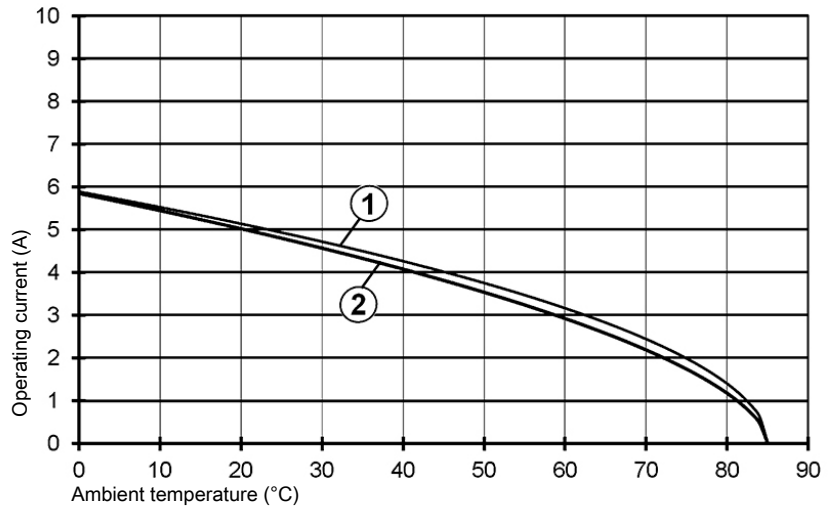


① Straight
 ② Angled
 Conductor cross-section 0.75 mm²

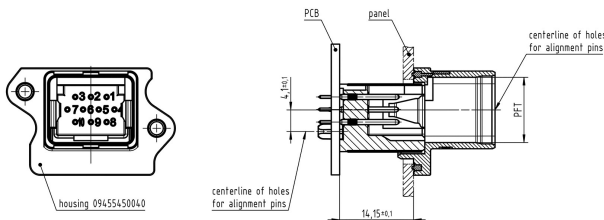
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Measuring and testing techniques acc. to IEC 60512-5-2



① Straight
 ② Angled
 Conductor cross-section 0.5 mm²





Pushing Performance

Tray

