

# T1 Industrial Jack AH IP20



Part number	09 45 281 2810
Specification	T1 Industrial Jack AH IP20
HARTING eCatalogue	https://b2b.harting.com/09452812810

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

## Identification

Category	Connectors
Series	HARTING T1 Industrial
Element	PCB connector
Specification	Angled

#### Version

Termination method	Reflow soldering termination (THR)
Gender	Female
Shielding	Fully shielded, 360° shielding contact
Number of contacts	2
further contacts	+ shielding
Pack contents	400 pieces on reel

# Technical characteristics

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Rated current	4 A
Rated voltage	60 V DC
Transmission characteristics	4 GHz
Data rate	10 Mbit/s 100 Mbit/s 1 Gbit/s 2.5 Gbit/s 5 Gbit/s 10 Gbit/s
Contact resistance	≤20 mΩ
Shielding resistance	≤100 mΩ

Page 1 / 2 | Creation date 2023-08-18 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application.

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## Technical characteristics

Limiting temperature	-40 +85 °C
Mating cycles	≥1,000
Degree of protection acc. to IEC 60529	IP20
Test voltage U <sub>DC</sub>	1 kV (contact-contact) 2.25 kV (contact-ground)
Moisture Sensitivity Level (MSL)	1 acc. to ECA/IPC/JEDEC J-STD-020D
Process Sensitivity Level (PSL)	R0 acc. to ECA/IPC/JEDEC J-STD-020D

## Material properties

RoHS	compliant
ELV status	compliant
China RoHS	е
REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Not contained
California Proposition 65 substances	Not contained

## Specifications and approvals

Specifications	IEC 63171-6
	IEEE 802.3bu (remote power supply over PoDL = Power over Data Line)
	IEEE 802.3cg (10BASE-T1)
	IEEE 802.3bw (100BASE-T1)
	IEEE 802.3bp (1000BASE-T1)
	IEEE 802.3ch (2.5GBASE-T1 / 5GBASE-T1 / 10GBASE-T1)

#### Commercial data

Packaging size	400
Net weight	1.4 g
Country of origin	Germany
European customs tariff number	85366990
GTIN	5713140223516
ETIM	EC002637
eCl@ss	27460201 PCB connector (board connector)