

# T1 Industrial plug male connector V3



Part number	09 45 181 2810 XL
Specification	T1 Industrial plug male connector V3
HARTING eCatalogue	https://b2b.harting.com/09451812810XL

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

## Identification

Category	Connectors
Series	HARTING T1 Industrial
Element	Cable connector
Specification	Straight

#### Version

Termination method	Crimp termination
Shielding	Fully shielded, 360° shielding contact
Number of contacts	2
further contacts	+ shielding
Details	Please order crimp contacts separately.

## Technical characteristics

Conductor cross-section	0.08 0.32 mm² Stranded
Conductor cross-section	AWG 28/7 AWG 22/7 Stranded
Wire outer diameter	≤2 mm
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

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## Technical characteristics

Contact resistance	≤20 mΩ
Shielding resistance	≤100 mΩ
Limiting temperature	-40 +85 °C
Mating cycles	≥1,000
Degree of protection acc. to IEC 60529	IP20
Cable diameter	4.5 6 mm
Test voltage U <sub>DC</sub>	1 kV (contact-contact) 2.25 kV (contact-ground)

# Material properties

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	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	100
Net weight	3.76 g
Country of origin	Germany
European customs tariff number	85366990
GTIN	5713140223554
eCl@ss	27460202 PCB connector (conductor connection)