

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

Page 1 / 2 | Creation date 2022-11-11 | 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.

HARTING Stiftung & Co. KG | Marienwerderstr. 3 | 32339 Espelkamp | Germany



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 _{DC}	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)