Pushing Performance
Since 1945

T1 Industrial plug male connector V3



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

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

Identification

Category	Connectors
Series	HARTING T1 Industrial
Element	Cable connector
Specification	Straight

Version

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

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

HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany
Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com

Pushing Performance
Since 1945

Technical characteristics

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
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

HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany
Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com

Pushing Performance
Since 1945

Commercial data

ETIM	EC002637
eCl@ss	27460202 PCB connector (conductor connection)

HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany
Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com