

## T1 Industrial plug male IP20



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

Part number	09 45 181 2800 XL
Specification	T1 Industrial plug male IP20
HARTING eCatalogue	<a href="https://harting.com/09451812800XL">https://harting.com/09451812800XL</a>

### 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 mm <sup>2</sup> Stranded
Conductor cross-section [AWG]	AWG 28/7 ... AWG 22/7 Stranded
Wire outer diameter	≤1.8 mm
Rated current	4 A
Rated voltage	60 V DC
Transmission characteristics	600 MHz Bandwidth
Data rate	10 Mbit/s 100 Mbit/s 1 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

## 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)
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## Commercial data

Packaging size	100
Net weight	3.775 g
Country of origin	Germany
European customs tariff number	85366990
GTIN	5713140571303
eCl@ss	27460202 PCB connector (conductor connection)
ETIM	EC002637
UNSPSC 24.0	39121415