

## 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://b2b.harting.com/09451812800XL">https://b2b.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 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<br>100 Mbit/s<br>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)<br>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<br>IEEE 802.3bu (remote power supply over PoDL = Power over Data Line)<br>IEEE 802.3cg (10BASE-T1)<br>IEEE 802.3bw (100BASE-T1)<br>IEEE 802.3bp (1000BASE-T1) |
|----------------|---|

## Commercial data

|                                |   |
|--------------------------------|---|
| Packaging size                 | 100   |
| Net weight                     | 3.5 g   |
| Country of origin              | Germany                                       |
| European customs tariff number | 85366990                                      |
| ETIM                           | EC002637                                      |
| eCl@ss                         | 27460202 PCB connector (conductor connection) |