

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://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 mm ² Stranded |
| Conductor cross-section [AWG] | 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 |



Pushing Performance
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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 |



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Commercial data

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