



Pushing Performance  
Since 1945

# T1 Indus. jack AH-IP20 long, w/o adapter



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

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Part number        | 09 45 281 2813                                                                |
| Specification      | T1 Indus. jack AH-IP20 long, w/o adapter                                      |
| HARTING eCatalogue | <a href="https://harting.com/09452812813">https://harting.com/09452812813</a> |

## Identification

|               |                        |
|---------------|------------------------|
| Category      | Connectors             |
| Series        | HARTING T1 Industrial  |
| Element       | PCB connector          |
| Specification | Angled<br>Long version |

## Version

|                    |                                        |
|--------------------|----------------------------------------|
| Termination method | Reflow soldering termination (THR)     |
| Gender             | Female                                 |
| Shielding          | Fully shielded, 360° shielding contact |
| Number of contacts | 2                                      |
| further contacts   | + shielding                            |
| Pack contents      | 350 pieces on reel                     |

## Technical characteristics

|                              |            |
|------------------------------|------------|
| 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  |
| Contact resistance           | ≤20 mΩ     |



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## Technical characteristics

|                                        |                                                    |
|----------------------------------------|----------------------------------------------------|
| Shielding resistance                   | ≤100 mΩ                                            |
| Limiting temperature                   | -40 ... +85 °C                                     |
| Mating cycles                          | ≥1,000                                             |
| Degree of protection acc. to IEC 60529 | IP20                                               |
| Test voltage U <sub>DC</sub>           | 1 kV (contact-contact)<br>2.25 kV (contact-ground) |
| Moisture Sensitivity Level (MSL)       | 1 acc. to ECA/IPC/JEDEC J-STD-020D                 |
| Process Sensitivity Level (PSL)        | R0 acc. to ECA/IPC/JEDEC J-STD-020D                |

## 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                 | 350                                      |
| Country of origin              | Germany                                  |
| European customs tariff number | 85366990                                 |
| GTIN                           | 5713140899568                            |
| eCl@ss                         | 27460201 PCB connector (board connector) |
| ETIM                           | EC002637                                 |
| UNSPSC 24.0                    | 39121415                                 |