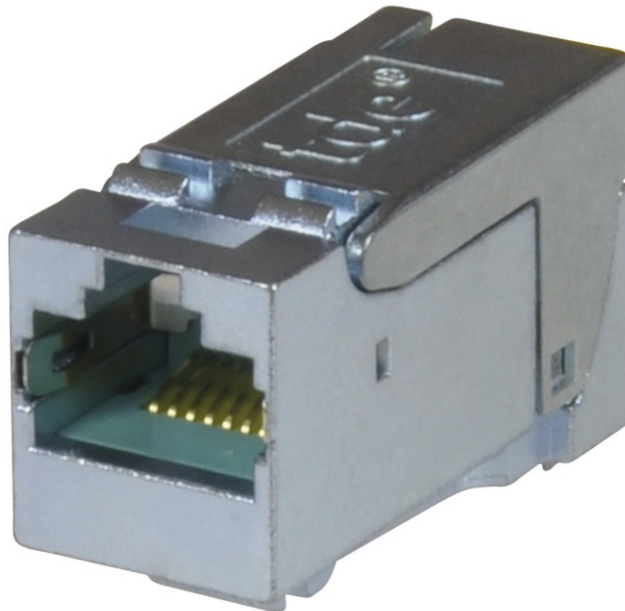


tBL[®] - RJ45 Keystone Module Cat.6_A ISO/IEC tool-less, AWG 22-24



tBL[®] - tde Basic Link (TP)

tBL[®] tde Basic Link (TP) is a complete system solution for structured cabling in Cat6A for transfer rates of up to 10GbE in real time. The tBL[®] - cabling link corresponds to a permanent link in accordance with ISO / IEC 11801 (EN 50173). The RJ45 modules are available in the form factors Keystone (KS) and Data Center (DC). The compact design of the 6fold RJ45 DC module allows a high packing density of up to 48 RJ45 ports on 1U. The RJ45 module is connected to the tBL[®] - cable termination block by simply plugging. The slim cable termination block can be easily assembled on the cable by using the tBL[®] - crimp tool and is suitable for preterminated cables. The modular design of individual RJ45 modules are interchangeable at any time without termination. The RJ45 modules are optional with a LID - Light ID function available. This feature facilitates searching of related ports within a cable link. A cost effective alternative product is the RJ45 keystone module without cable termination block in the tool-less design.

The system solution is complemented by an extensive portfolio of carrier systems. These include design-capable data outlets, floor box frames, Consolidation points, DIN rail modules and patch panels in 1/2 and 1U.



tde[®] trans data elektronik GmbH

Headquarter address:

Lingener Str. 2
D-49626 Bippen/Ohrte
Tel.: +49 5435 9511 0
Fax.: +49 5435 9511 32

Sales office address:

Prinz-Friedrich-Karl-Str. 46
D-44135 Dortmund
Tel.: +49 231 914 36 99
Fax.: +49 231 914 31 29

info@tde.de | www.tde.de

tBL[®] - RJ45 Keystone Module Cat.6_A ISO/IEC tool-less, AWG 22-24

Technical Data

Mechanical properties

| | |
|--------------------------------|-----------------------------|
| Type | RJ45 Jack shielded |
| Connector standard | IEC 60603-7-5-1 |
| Installation dimension | 19.3 x 14.6 mm |
| Mating force | ≤ 30 N |
| Mating cycles (RJ45 side) | ≥ 750 |
| Mating cycles (opposite side) | ≥ 5 |
| Housing material | nickel-plated die-cast zinc |
| Insulation components material | PC aqua |
| Gold plating in contact area | 50 μm |
| Gold plating IDC | min. 3-6 μm (120-240μin) Sn |
| Contacting | AWG 22-24 Solid-execution |
| Cable diameter | 5-10 mm |

Environmental requirements

| | |
|-------------------|----------------|
| Connection class | IP20 |
| Temperature range | -40°C to +70°C |

Electrical properties

| | |
|---|----------------|
| Contact resistance | ≤ 20 mΩ |
| Insulation resistance between contacts | ≥ 500 MΩ |
| Dielectric withstanding voltage contact – contact | ≥ 1000 V DC/AC |
| Dielectric withstanding voltage contact – screen | ≥ 1500 V DC/AC |
| Current-carrying capacity at 50°C | 1.25 A |
| PoE+ per IEEE 802.3at | PoE+ |

Transmission characteristics

| | |
|--------------------|--|
| 10 GbE | supported |
| Cat.6 _A | ISO/IEC 11801 AM1 and Am02, Link length: > 5 m |

Product variants & accessories

| Art.-No. | Description |
|---------------|---|
| TBL-RJ45KS-TL | tBL [®] - RJ45 Keystone Module Cat.6 _A ISO/IEC tool-less, AWG 22-24 |