

tBL® - Patch Panel 19" 1U 24x RJ45 Cat.6_A with LID w/o termination block



24x

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. 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.



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Technical Data

| | |
|---------------|--|
| Pre-assembled | 24 x RJ45 Keystone modules shielded Cat.6 _A ISO/IEC LID without cable termination block |
|---------------|--|

tBL[®] - RJ45 Keystone Module Cat.6_A ISO/IEC with LID w/o termination block

Mechanical properties

| | |
|--------------------------------|-----------------------------|
| Type | RJ45 Jack shielded LID |
| Connector standard | IEC 60603-7-5-1 |
| Installation dimension | 19.3 x 14.7 mm |
| Mating force | ≤ 30 N |
| Mating cycles (RJ45 side) | ≥ 750 |
| Mating cycles (opposite side) | ≥ 100 |
| Housing material | nickel-plated die-cast zinc |
| Insulation components material | PC aqua opak |
| Gold plating in contact area | 50 μ" |
| Gold plating IDC | 30 μ" |
| 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 | -- |
| 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 AMD2, Link length: > 1 m |

LiD Function

| | |
|----------------|---------|
| supply voltage | 12 V DC |
| lightdetection | ≥ 200 m |

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| | |
|-------------|------|
| light exits | ≤ 20 |
|-------------|------|

Product variants & accessories

| Art.-No. | Description |
|---------------------|---|
| TBL-P24RJ45KSL | tBL [®] - Patch Panel 19" 1U 24x RJ45 Cat.6 _A with LID w/o termination block |
| TBL-P24RJ45KSL/KT22 | tBL [®] - Patch Panel 19" 1U 24x RJ45 Cat.6 _A with LID, termination block AWG 22-24 |
| TBL-P24RJ45KSL/KT26 | tBL [®] - Patch Panel 19" 1U 24x RJ45 Cat.6 _A with LID, termination block AWG 26-27 |
| TBL-P24RJ45KS-W/O | tBL [®] - Patch Panel 19" 1U, for 24x RJ45 Keystone modules, RAL 7035 |