

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



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

Mechanical properties

Type	RJ45 Jack shielded
Connector standard	IEC 60603-7-5-1
Installation dimension	19.3 x 14.7 mm
Mating force	≤ 50 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
light exits	≤ 20

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Product variants & accessories

Art.-No.	Description
TBL-KT22/24GE	tBL® - termination block AWG 22-24, transparent yellow for installation cables
TBL-KT26/27WS	tBL® - termination block AWG 26-27, transparent white for stranded cables
TBL-RJ45KS	tBL® - RJ45 Keystone Module Cat.6 _A ISO/IEC w/o termination block
TBL-RJ45KS/KT22	tBL® - RJ45 Keystone Module Cat.6 _A ISO/IEC, termination block AWG 22-24
TBL-RJ45KS/KT26	tBL® - RJ45 Keystone Module Cat.6 _A ISO/IEC incl. termination block AWG 26-27