tBL® - RJ45 DC 6fold Module Cat.6_A ISO/IEC with LID, termination block AWG 26-27





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

System platforms	tML®/ tSML
	4x tBL® - 6fold Modules can be integrated in a tSML - TP Module.
	1x tBL® - 6fold Module can be integrated in a tML® - TP Module.
Equipping	6x tBL® RJ45 DC Module Cat.6_A

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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	30 µ"
Contacting	AWG 27-22
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

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LiD Function

supply voltage	12 V DC
lightdetection	≥200 m
light exits	≤20

tBL® - termination block AWG 26-27, transparent white for stranded cables

Construction	plastic with insulation displacement connection
Gold plating termination block	30 µ"
Color	transparent white
Application	Flex cable AWG 26 - AWG 27, alternative AWG 26 Solid Wire
	Plug bears small flag-like installation guide with color codes for pin-out according to EIA/TIA 568 A and B.

Product variants & accessories

Art.-No.	Description
TBL-DC/KS-UL-TOOL	tBL® - Un Locking tool for opening the RJ45 modules
TBL-KT-CAP	tBL® - Pulling Aid for cable termination block
TBL-KT-TOOL	tBL® - Crimp tool for crimping the cable termination blocks AWG 22-27
TBL-LID-TOOL	tBL® - Detector for RJ45 modules with LID function
TBL-RJ45DCLX6	tBL® - RJ45 DC 6fold Module Cat.6_A ISO/IEC with LID
TBL-RJ45DCLX6/KT22	tBL® - RJ45 DC 6fold Module Cat.6_A ISO/IEC with LID, termination block AWG 22-24
TBL-RJ45DCLX6/KT26	tBL® - RJ45 DC 6fold Module Cat.6_A ISO/IEC with LID, termination block AWG 26-27

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