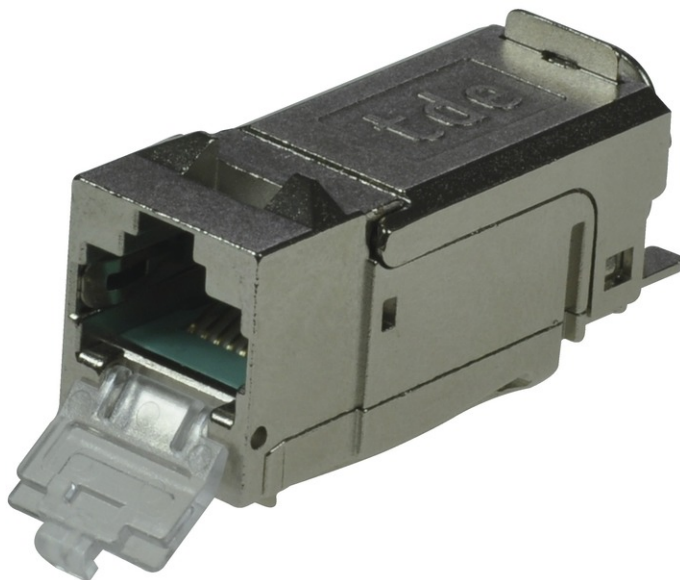


tBL<sup>®</sup> - RJ45 Keystone Module Cat.6<sub>A</sub> ISO/IEC with LID, termination block AWG 26-27

## tBL<sup>®</sup> - tde Basic Link (TP)

tBL<sup>®</sup> 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<sup>®</sup> - 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<sup>®</sup> - cable termination block by simply plugging. The slim cable termination block can be easily assembled on the cable by using the tBL<sup>®</sup> - 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.

**tde<sup>®</sup>** 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 8805 61 13  
Fax.: +49 231 8805 61 15

info@tde.de | www.tde.de

tBL® - RJ45 Keystone Module Cat.6<sub>A</sub> ISO/IEC with LID, termination block AWG 26-27

## Technical Data

### 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 <sub>A</sub>	ISO/IEC 11801 AM1 and AMD2, Link length: > 1 m

### LiD Function

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

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

## tBL® - RJ45 Keystone Module Cat.6<sub>A</sub> ISO/IEC with LID, termination block AWG 26-27

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-RJ45KSL	tBL® - RJ45 Keystone Module Cat.6 <sub>A</sub> ISO/IEC with LID w/o termination block
TBL-RJ45KSL/KT22	tBL® - RJ45 Keystone Module Cat.6 <sub>A</sub> ISO/IEC with LID, termination block AWG 22-24
TBL-RJ45KSL/KT26	tBL® - RJ45 Keystone Module Cat.6 <sub>A</sub> ISO/IEC with LID, termination block AWG 26-27