tBL® - RJ45 DC 6fold Module Cat.6A ISO/IEC

\*\*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.

\*\*TP RJ45 Modules

\*\*TECHNISCHE\_DATEN

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| 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.6A |

\*\*\*tBL® - RJ45 DC-Module Cat.6A ISO/IEC w/o termination block, GHMT certified

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| Type | RJ45 Jack shielded |
| Connector standard | IEC 60603-7-5-1 |
| Certification | GHMT |
| 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 |
| Gold plating in contact area | 30 µ" |
| Contacting | AWG 27-22 |
| Cable diameter | 5-10 mm |

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

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| 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+ |

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| 10 GbE | supported |
| Cat.6A | ISO/IEC 11801 AM1 and AMD2, Link length: >1 m |