tML® - RJ45 DC 6fold Module Cat.6A ISO/IEC for Rack Mount Enclosure 1U extendable

\*\*tML® 24

tML® 24 is a patented, modular cabling system consisting of the three key components module, trunk cable and rack mount enclosure. The system components are 100 percent manufactured, pre-assembled and tested in Germany. They enable plug-and-play installation on site – especially in data centres, but also in industrial environments – within the shortest possible time. Heart of the system are the rear MPO/MTP® 24 fiber and Telco connectors, which can be used to connect at least six or twelve ports at a time. Depending on the module configuration, transfer rates of up to 400G are currently possible with SR4. The fibre optic and TP modules can be used together in a module carrier with a very high port density. The tde offers its tML® cabling system as a proven tML® standard system and in the highly innovative variants tML®Xtended and now tML® 32 for extreme scalability and very easy migration to higher transmission rates such as 40G, 100G, 200G and 400G.

\*\*tML® - tde Modular Link

tML® is a patented, modular cabling system consisting of the three key components module, trunk cable and rack mount enclosure. The system components are 100 percent manufactured, pre-assembled and tested in Germany. They enable plug-and-play installation on site – especially in data centres, but also in industrial environments – within the shortest possible time. Heart of the system are the rear MPO/MTP® and Telco connectors, which can be used to connect at least six or twelve ports at a time. Depending on the module configuration, transfer rates of up to 200G are currently possible with SR4. The fibre optic and TP modules can be used together in a module carrier with a very high port density. The tde offers its tML® cabling system as a proven tML® standard system and in the highly innovative variants tML® Xtended, tML® 24 System and now tML® 32 System for extreme scalability and very easy migration to higher transmission rates such as 40G, 100G, 200G and 400G.

\*\*tML® Xtended

tML® Xtended is a patented, modular cabling system consisting of the three key components module, trunk cable and rack mount enclosure. The system components are 100 percent manufactured, pre-assembled and tested in Germany. They enable plug-and-play installation on site – especially in data centres, but also in industrial environments – within the shortest possible time. Heart of the system are the rear MPO/MTP® 12 fiber and Telco connectors, which can be used to connect at least six or twelve ports at a time. Depending on the module configuration, transfer rates of up to 200G are currently possible with SR4. The fibre optic and TP modules can be used together in a module carrier with a very high port density. The tde offers its tML® cabling system as a proven tML® standard system and in the highly innovative variants tML® 24 system and now tML® 32 system for extreme scalability and very easy migration to higher transmission rates such as 40G, 100G, 200G and 400G.

\*\*tML® - TP Trunk Cables

\*\*TECHNISCHE\_DATEN

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

|  |  |
| --- | --- |
| 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 |

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

|  |  |
| --- | --- |
| 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+ |

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