

tML<sup>®</sup> - FO Module MPO/MTP<sup>®</sup> with Pins/3x URM K8/K8 50/125 $\mu$  OM3



## tML<sup>®</sup> - tde Modular Link

tML<sup>®</sup> 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. The system is characterized by highest packing density and highest flexibility during migration to higher transmission rates. Fibre optic and TP modules can be combined in one rack mount enclosure. 96x fibre optics LC Duplex or 96x MPO connectors can be used modularly on a 19-inch height unit. Thanks to its patented polarity and dark fibre modules, the tML system offers the simplest migration options to 100G and more.

The tML<sup>®</sup> - FO Module MPO/MTP<sup>®</sup> is intended for the installation in the tML<sup>®</sup> Rack Mount Enclosure 1U (for 8 x Modules).



**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.: +49 231 914 36 99  
Fax.: +49 231 914 31 29

info@tde.de | www.tde.de

## tML<sup>®</sup> - FO Module MPO/MTP<sup>®</sup> with Pins/3x URM K8/K8 50/125 $\mu$ OM3

### Technical Data

The end faces of the connectors are optimized by means of Lasercleaving and machine polish. The MPO/MTP<sup>®</sup>plug has a defined fiber height of 1 - 3,5 $\mu$ . The max. adjacent fiber height difference is 0,2 $\mu$ m and for all fibers 0,3 $\mu$ m. All system components (modules, trunk cables and patch cords) are co-ordinated for the reaching of the performance particularly. The module is marked with sequential serial number and article number. The modules are ROHS compliant.

|             |  |
|-------------|--|
| Box         | Galvanized steel sheet   |
| Front Panel | Stainless steel  |
| Entry       | 2 x MPO/MTP <sup>®</sup> Male Adapter (black) back   |
| Exit        | 3 x URM K8/K8 Adapter (metal) front  |
| Tests       | Interferometer, Insertion Loss, Return Loss and Visual Final Inspection; all measured values are electronically archived |
|             | QS-Managementsystem ISO 9001, ISO 14001 and TL 9000  |

### Optical Performance

| Fiber            | Type                 | Wavelength | IL (dB) typical | IL (dB) max | RL (dB) min |
|------------------|----------------------|------------|-----------------|-------------|-------------|
| 50/125 $\mu$ OM3 | MPO/MTP <sup>®</sup> | 850nm      | ≤ 0.30          | 0.45        | 20          |
| 50/125 $\mu$ OM3 | URM K8/K8            | 850nm      | ≤ 0.20          | 0.29        | 35          |
| 50/125 $\mu$ OM3 | Module               | 850nm      | ≤ 0.35          | 0.45        | 20          |

### Product variants & accessories

| Art.-No.            | Description  |
|---------------------|--|
| TML-M03URM8A/MPP09E | tML <sup>®</sup> - FO Module MPO/MTP <sup>®</sup> with Pins/3x URM K8/K8 APC 9/125 $\mu$ OS2 |
| TML-M03URM8/MPP09E  | tML <sup>®</sup> - FO Module MPO/MTP <sup>®</sup> with Pins/3x URM K8/K8 9/125 $\mu$ OS2     |
| TML-M03URM8/MPP50G  | tML <sup>®</sup> - FO Module 2x MPO/MTP <sup>®</sup> with Pins/3x URM K8/K8 50/125 $\mu$ OM2 |
| TML-M03URM8/MPP50G3 | tML <sup>®</sup> - FO Module MPO/MTP <sup>®</sup> with Pins/3x URM K8/K8 50/125 $\mu$ OM3    |
| TML-M03URM8/MPP50G4 | tML <sup>®</sup> - FO Module MPO/MTP <sup>®</sup> with Pins/3x URM K8/K8 50/125 $\mu$ OM4    |
| TML-M03URM8/MPP62G  | tML <sup>®</sup> - FO Module MPO/MTP <sup>®</sup> with Pins/3x URM K8/K8 62,5/125 $\mu$ OM1  |