Pre-assembled optical fibre distribution and termination boxes for transfer system

Pre-assembled solutions for fast installation

Langmatz pre-assembled optical fibre distribution and termination boxes were specifically developed for the optical fibre transfer system. As they are pre-assembled, they significantly reduce installation work, ensuring fast commissioning. Thanks to their IP54 degree of protection, all optical fibre connections are perfectly protected.

Benefits

- ▲ Time and cost savings due to pre-assembled distribution and termination boxes
- ▲ Ease of installation without the need for specialist tools
- ▲ Excellent flexibility, thanks to modular design
- ▲ Durable materials and IP54 degree of protection for maximum safety and security
- ▲ Cabinet attached with external mounting brackets
- ▲ Housing is sealed on delivery, with measurement and test reports inside
- ▲ Customisable for your network requirements: e.g. without connector, with reflector connectors, with micro-duct pipe Ø 7 or 10 mm, different types of coupler
- ▲ The standard version comes with loop connectors (F2X*)

Pre-assembled for the optical fibre transfer system

ONT M EK440 pre-assembled

ONT L EK770 pre-assembled

Subject to modifications | Date of issue 05-2026

Technical data

Cabinet details

Designation	OTM DTB M 6xLC/APC	OTM DTB M 12xLC/APC	OTM DTB L 24xLC/APC
Cabinet	ONT M	ONT M	ONT L
Dimensions W x H x D	163 x 242 x 46 mm	163 x 242 x 46 mm	223 X 320 X 93 mm
Weight	1.68 kg	1.96 kg	2.68 kg
Cabinet material	polycarbonate (PC)	polycarbonate (PC)	polycarbonate (PC)
Cabinet colour	RAL 7035	RAL 7035	RAL 7035
Coupler slots	up to 6x SC simplex, LC duplex, E2000	up to 6x SC simplex, LC duplex, E2000	up to 24x SC simplex, LC duplex, E2000
Number of drop cables	up to 12	up to 12	up to 48
Diameter of drop cable	Ø 1.8 – 3.4 mm	Ø 1.8 – 3.4 mm	Ø 1.8 – 3.4 mm
Degree of shock resistance	IK 06	IK 06	IK 08
Protection rating	IP54	IP54	IP54
Temperature range	-33° to 70°C	-33° to 70°C	-33°to 70 °C
Closing mechanism	Screwed (Torx) & sealed	Screwed (Torx) & sealed	Screwed (Torx) & sealed

Assembly details

	Feeder - pre-assembled micro-duct pipe with micro-duct gas stop and pre-inserted cable, confectioned on one side		
Micro-duct pipe diameter	Ø 10 mm	Ø 10 mm	Ø 10 mm
Length	25 m	25 m	25 m
Number of fibres / subscriber connections	6	12	24
Fibre colour coding according to IEC 60304	Yes	Yes	Yes
	Patch area - pre-assembled couplers with loop connectors on the drop side		
Couplers with loop connectors	3x LC/APC duplex	6x LC/APC duplex	12x LC/APC duplex
Article number	**064406606/501**	**064406612/501**	**067706624/501**

Note:
Please contact us with all other applications (unrelated to the optical fibre transfer system)

* F2X® is a registered trademark of Sachsenkabel and, with a patent, is synonymous with pre-assembled optical fibre distribution and termination boxes with loop connectors.

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