

ONT size M

Optical distribution and termination box

The Langmatz ONT size M provides for the management of up to 12 optical fibres integrated in a sturdy polycarbonate cabinet with IP54 protection with internal couplers. It is impressively easy to handle and install, and also meets the high quality standards required for accommodating, routing, and commissioning sophisticated optical fibre technology. What is more, it is approved and eligible for Germany's National Broadband Funding Programme.

Advantages

▲ Flexibility down to the last detail

- Access and outlet of cables and micro-duct pipes Ø 5, 7, 10 and 12 mm at the bottom left or right as required
- Removable mounting panel for fibre management and coupler/splice protection management
- Slot for 6 couplers
- Possible mounting for splitter
- Accommodates commercially available micro-duct gas stops for micro-duct pipes
- Installation/commissioning/service without the need for special tools
- Various locking mechanism options for the cabinet, with sealing option

▲ Stability and safety – during installation and in operation

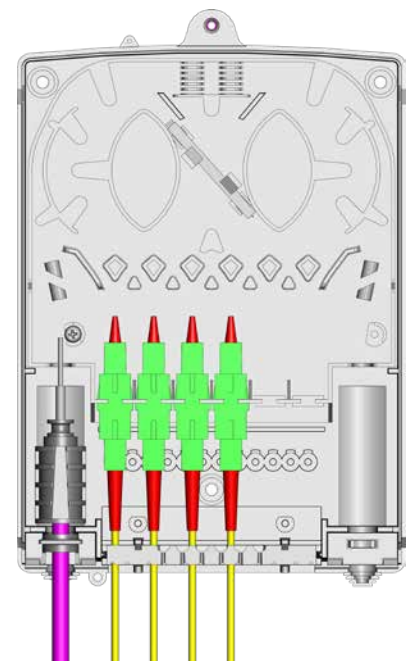
- Fibre management via a guide on the mounting panel
- Protected area for safe connection and cable management
- Bending radii maintained using predefined fibre guides
- Outlet cable protected by a silicone seal
- Coupler replacement during ongoing operation

▲ Uses

- Transition to the customer's network
- Single-family home / apartment block and/or corporate sector
- Can be used for a plug connection, fusion splice and coupler



▲ ONT size M closed



▲ ONT size M interior view

Technical data

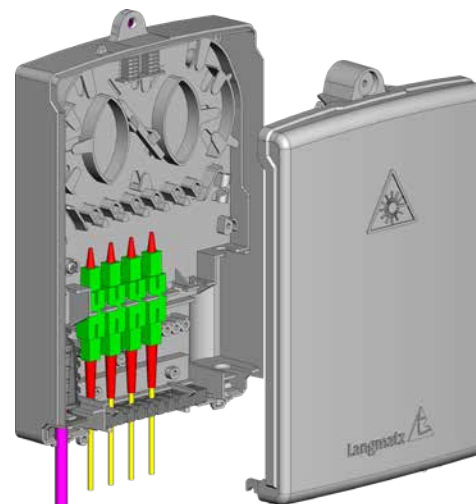
Designation	ONT size M
Dimensions W x H x D	163 x 242 x 46 mm
Weight	approx. 500 g
Cabinet material	Polycarbonate
Cabinet colour	Light grey (RAL 7035)
Cable micropipes	Inlet/outlet for Ø 5, 7, 10 and 12 mm micro-duct pipes
Closing mechanism	Sealable, Phillips-head screw, Torx screw prepared for M4 grooved bolt
Mounting panel	Removable; management of 12 crimp or heat shrink splices (depending on version); also accommodates PLC splitter
Number of fibres	Maximum: 12 optical fibres
Coupler section	▲ 6 x LC Duplex, 6 x SC Simplex, E2000 (with restrictions) or a mixture thereof ▲ Cable outlet (without connector) with strain relief options
Temperature range	-33° to 70°C
Protection rating	Standard internal couplers: IP54 Assembly kits for external couplers: IP23
Degree of shock resistance	IK 06
Quality features	Pigtails/couplers LC, SC APC (green) Ferrule: ceramic, zirconia Fibre type: single-mode ITU-T, G.657A, grade B, E9/125 900 µ Optical parameters of plug connection for 1,310 and 1,550 Nm Attenuation value: <= 0.15 / <= 0.5 dB (average / > 99% of all cases) ORL: >70 / > 55 dB (open/closed)
Fire protection class	UL94 V-2

Package includes

- ▲ 1 x cabinet with cover
- ▲ 1 x mounting panel
- ▲ 2 x sealing elements for cable outlet
- ▲ Installation instructions – online version

Markings

- ▲ Laser safety symbol



▲ ONT size M