

ONT M+ 3.0

Optical distribution and termination box with Langmatz fibre trays

The Langmatz ONT M+ 3.0 provides for the management of up to 12 optical fibres when using a flexible mounting panel integrated in a sturdy polycarbonate cabinet specified to degree of protection IP 54. 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. Now with Langmatz fibre trays.

Advantages

▲ Flexibility down to the last detail

- Ø 5, 7, 10 and 12 mm cable/micro-duct pipe inlet/outlet options top and bottom
- Rotatable mounting panel for fibre management and coupler/splice protection management
- Separate expansion for couplers and pigtails, supported by an individual 6-piece adapter guide with predetermined breaking points
- Removable splice fibre tray for splicing fibres
- Accommodates commercially available micro-duct gas stops for micro-duct pipes
- Series installation of additional cabinets is possible on both sides for capacity upgrades
- 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

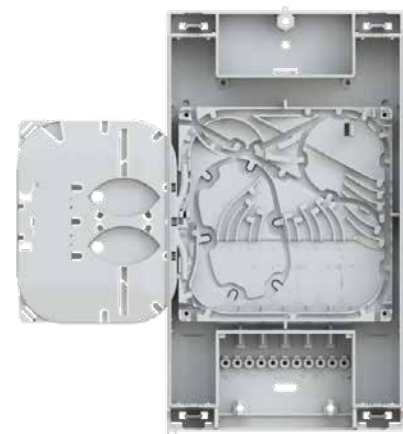
- Fibre management via a guide in the cabinet and in the splice fibre tray
- Protected area for safe connection and cable management
- Bending radii maintained using predefined fibre guides
- Outlet cable protected by a silicone seal
- Coupler replacement during ongoing operation

▲ Uses

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



▲ ONT M+ 3.0 closed



▲ ONT M+ 3.0 internal view with open Langmatz fibre tray



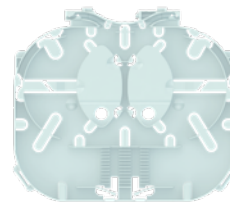
▲ ONT M+ 3.0 with cover

Technical data

Designation	ONT M+ 3.0
Dimensions W x H x D	160 x 285 x 46 mm
Weight	approx. 600 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	Pivotable 90° depending on the application (4 positions)
Splice fibre tray	Tray of 12 crimp splice protectors / PLC splitter
Number of fibres	Maximum 12 optical fibres
Coupler section	▲ 6 x LC Duplex, 6 x SC Simplex, E2000 or a mixture thereof ▲ Cable outlet (without connector) with strain relief options
Screws	Stainless steel
Temperature range	-33° to 70°C
Protection rating	IP54
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 with 10 mm multiple-fibre tray
- ▲ 2 x sealing elements for cable outlet
- ▲ 14 x serrated screws for fibre strain relief
- ▲ 1 x closing plate for coupler section
- ▲ 1 x sealing for cabinet installation in series
- ▲ 2 x optical fibre cable/micro-duct pipe fixing elements
- ▲ Installation set for wall installation (screws, dowels, drilling template)
- ▲ Installation instructions (online version)



▲ Langmatz fibre tray

Markings

- ▲ Laser safety symbol
- ▲ Laser-cut customer logo on cover – on request

