

ONT size S

Optical distribution and termination box / subscriber junction box

The Langmatz ONT size S optical distribution and termination box is a quality product that combines innovative as well as proven and tested features. It provides for easy optical fibre management in a robust and protected polycarbonate cabinet. 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.

Advantages

▲ Flexibility down to the last detail

- Multifunctional optical fibre building entry point (network layer 3 termination box) and subscriber connection (network layer 4 subscriber junction box)
- Ø 5, 7 and 10 mm cable/micro-duct pipe inlet/outlet
- Integrated mounting area for fibre management and coupler/splice protection management
- Slot for 3+2 LC duplex couplers or 2 SC simplex couplers
- Accommodates 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

▲ Eligible for German government aid for single-family houses and semi-detached houses

- Requirements: Fully populated with couplers (3 LC duplex couplers for single-family houses, 5 LC duplex couplers for semi-detached houses)

▲ Stability and safety – during installation and in operation

- Fibre management with protected, secure fibre routing
- Protected area for safe connection and cable management
- Minimum bending radii maintained using predefined fibre guides
- Coupler replacement during ongoing operation

▲ Uses

- Transition to the customer's network
- Single-family houses, semi-detached houses and corporate clients
- Can be used for a plug connection, fusion splice
- Optical distribution and termination box
- Optical fibre subscriber termination box
- External/internal cable conversion
- Surface-mounted installation on a cavity wall or 60 mm flush-mounted boxes



▲ ONT size S closed

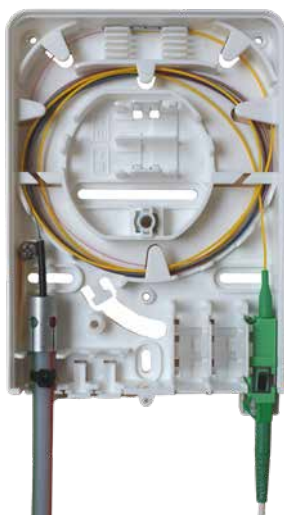


▲ ONT size S interior view

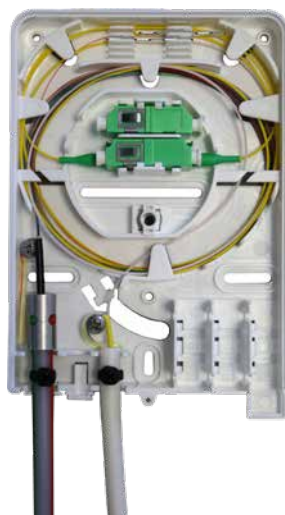
Technical data

Designation	ONT size S
Dimensions W x H x D	94 x 130 x 25 mm
Weight	approx. 0.15 kg
Cabinet material	polycarbonate (PC)
Cabinet colour	RAL 9016 Traffic white
Optical fibre cables / micro-duct pipes	Inlet/outlet: 1x Ø 5, 7, 10 mm and 2x Ø 5, 7 mm
Closing mechanism	Sealable, Torx/Phillips-head screw, seal sticker
Mounting panel	With management of 12 crimp splice protectors, bending radius limiter and fibre retainers
Splice protection management	12 x crimp splice protection management
Coupler section	<ul style="list-style-type: none"> ▲ ONT: 5x LC duplex couplers <li style="padding-left: 20px;">Optical fibre subscriber junction box: 3 x LC duplex couplers <li style="padding-left: 20px;">3 x SC simplex couplers ▲ Cable outlet (without connector) with strain relief options
Temperature range	-33° to 70°C
Protection rating	IP43
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

Variants



▲ Example:
Use as termination box



▲ Example:
Use as cable converter

Package includes

- ▲ 1 x cabinet with cover
- ▲ Installation instructions, online version

Markings

- ▲ Laser safety symbol
- ▲ Langmatz logo
- ▲ 2 x labelling panels
- ▲ Coupler numbering