



Housing
Front view

Picture top right:
Lower part of housing
with opensplice
cassette

Optical fibre termination point (Gf-AP)

The Langmatz Gf-AP is a quality product that combines innovative as well as proved and tested features. It enables the management of 12 optical fibres using a flexible installation plate integrated into a robust, protected housing made from polycarbonate (IP 54 protection rating). It is characterised by easy handling and installation. It also meets the high quality standards required for entry, laying and commissioning sophisticated optical fibre technology.



Advantages | Langmatz Gf-AP

Flexibility down to the smallest detail

- Cable inlet/outlet can be freely selected from the top or bottom
- A pivoting installation plate supports fibre management for different applications
- Insertion option for micropipes or optical fibre cables with a diameter of 5, 7, 10, 12 mm
- Micropipes can be sealed using commercially available strain relief
- Separate expansion for couplings and pigtails, supported by an individual, 6-part coupling guide with predefined breaking points
- Removable splice cassette for splicing fibres
- Series installation of additional housings is possible on both sides for capacity upgrades
- Installation/Commissioning/Service without special tools
- Various locking mechanism options for the housing

Stability and safety - for installation and operation

- Fibre management via a duct in the housing and in the splice cassette
- Protected area for safe connection and cable management (lockable cover)
- Bending radii are maintained using predefined fibre ducts
- Subscriber cable gland protected via a silicone seal.
- Coupling replacement during ongoing operation

Area of application - one size fits all!

- Langmatz Gf-AP (transfer to customer/distribution network)
- Single family home/Multiple family dwelling and/or corporate client sector
- Applicable for a plug connection and fusion splice



Technical data

Designation	Langmatz Gf-AP (optical fibre termination point)
Dimensions L x W x H	285 x 160 x 46 mm
Weight	Approx. 600 g
Housing material	Polycarbonate
Housing colour	Standard colour RAL 7035 light grey
Cable micropipes	Inlet/outlet for diameters 5, 7, 10, 12 mm
Closing mechanism	Sealable, Phillips-head screw, prepared for an M4 grooved bolt, closing mechanism with lock
Installation plate	Can pivot 90° depending on the application (4 positions)
Splice cassette	1 unit with tray of 12 crimp splice protectors / PLC-Splitter
Number of fibres	Maximum: 12 optical fibres
Coupling field	<ul style="list-style-type: none"> ■ 6 x LC duplex, 6 x SC simplex, 6 x E2000 or a mixture thereof ■ Cable inlet/outlet (without plug) with strain relief options
Screws	Stainless
Temperature range	-33 to +70° C
Degree of protection	IP 54
Impact strength	IK06
Quality features Pigtails/couplings LC, SC	<p>APC (green) Ferrule: ceramic, zirconia Fibre type: single-mode fibre ITU-T, G.657A, grade B, E9/125 900µ fibre</p> <p>Optical parameters of plug connector for 1310 nm and 1550 nm Attenuation value: <math>\leq 0.15 / \leq 0.5 \text{ dB}</math> (average/>99% of all cases) ORL: >70 / >55 dB (open/closed)</p>

Scope of delivery

- 1 x housing with cover
- 1 x installation plate with multi-fibre cassette 10 mm
- 2 x sealing elements for cable inlet/outlet
- 14 x serrated screws for fibre strain relief
- 1 x closing plate for coupling field
- 1 x seal for housing installation in series
- 2 x optic fibre cable/micropipe fixing elements
- Installation set for wall installation (screws, dowels, drilling template)
- Installation instructions



Housing including splice cassette with cover removed

Markings

Laser safety symbol,
 Laser-cut customer logo on the cover - upon request