



# Langmatz EK 430 2.0 - Optical Fibre Network Distributor Size M

Langmatz offers an integrated portfolio for the expansion of FTTx optical fibre networks from the central office to the building.

As a system supplier, Langmatz manufactures outdoor cabinets, building cable & pipe entry systems, underground distribution systems and configured manhole systems and can offer many years of experience in the development and production of customised solutions.

Langmatz outdoor cabinets stand for high-quality materials and durability as well as expansion flexibility.

## Advantages of Langmatz Outdoor Cabinets

- Outdoor cabinet made of modified polycarbonate (PC)
- UV- and weather-resistant, self-extinguishing, environmentally friendly and recyclable
- Anti-poster-sticking surface
- Front hood with:
  - Turning lever closing mechanism prepared for profile half cylinder
  - Bevel so that cabinet cannot be used as climbing aid
  - Good accessibility for installation and operation
  - Anti-poster ribbing
  - Protection against burglary tested based on RC2 DIN EN 1627



Outdoor cabinet EK 430 2.0

## Optical Fibre Network Distributor Expansion

### Access area:

- Micro-pipe/cable inlet with fastener and strain relief for 4x optical fibre cables/  
micro-pipes Ø 6.5–20 mm
- Protected micro cable routing throughout, from entry port, sealing and strain relief to the splice area
- Floor unit for inserting and sealing the micro-pipes and optical fibre cables, including sorting and individual strain relief of the micro-pipes
- Possible looping and stowage of uncut cables/stowage of excess length of at least 6 m

### Optical fibre installation kit:

- Mounting panel equipped with organiser module to accommodate E&MMS cassette system
- Cassette slots for up to 72 E&MMS splice cassettes (5 mm) (maximum of 864 splices) or up to 36 splice cassettes (10 mm)
- Simple configuration of splice cassettes and tool-free exchange possible
- Protective cover for the splice cassette area

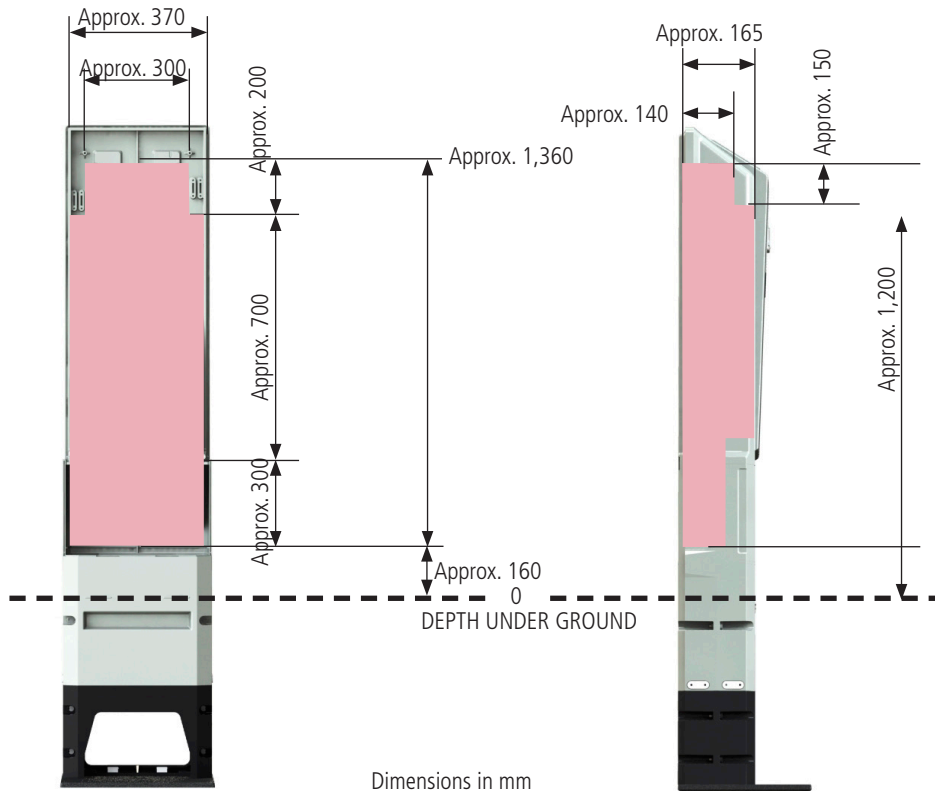


### Outlet area:

- Micro cable organiser for different diameters:
  - 1.3 mm
  - 1.8 mm
  - 2.5 mm
  - 2.8–3.0 mm
  - 3.5 mm
  - 3.8–4.0 mm
- Micro-pipe capacity for 48x7 mm or 10 mm as well as 48x10 mm or 12 mm using Duo clamp sorting
- Micro-pipe management system with fixing straps for tool-free sorting and fastening of the outgoing micro-pipes
- Use of commercially available strain relief possible
- Pre-sorting of the individual micro-pipes in the pedestal

## One Cabinet with Many Possibilities

Empty housing *flex* in accordance with DIN EN 61439-5



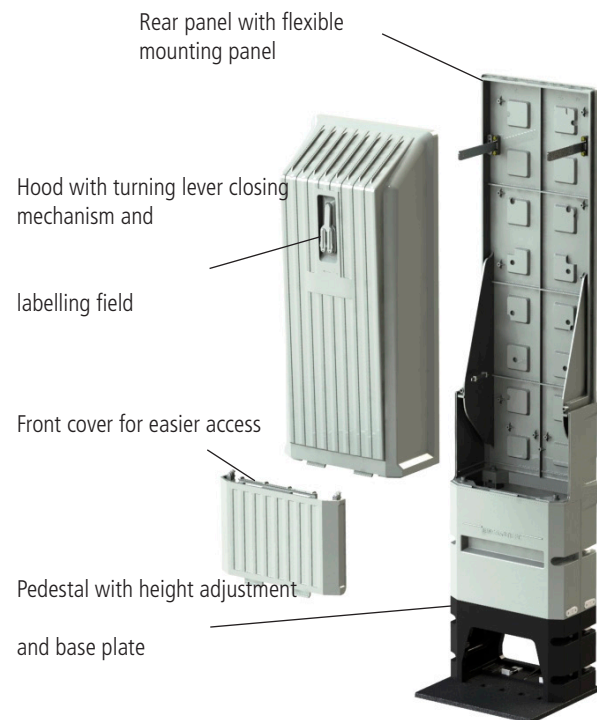
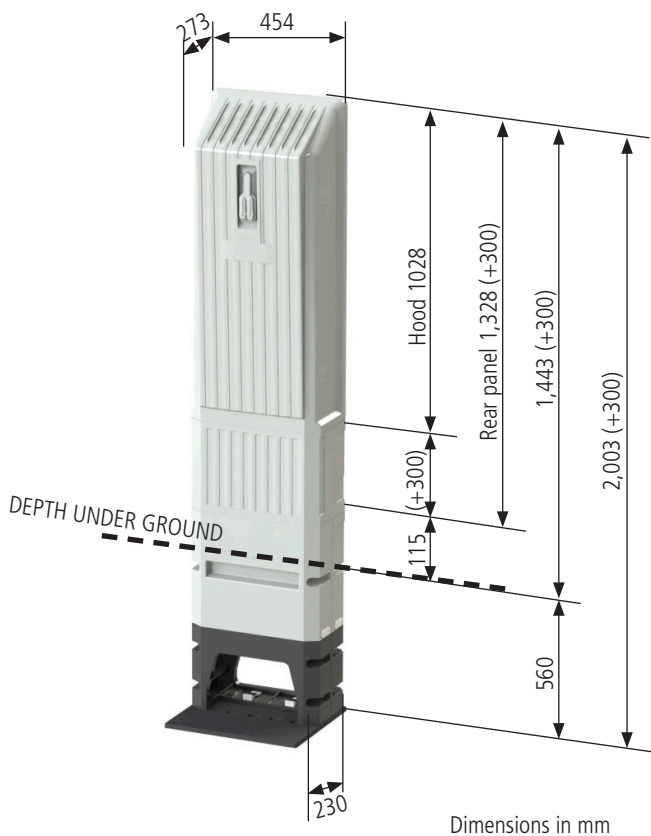
### Feeder pillar *connect* configuration with 2 BKE-I meters

- Service connection box 3-phase in accordance with DIN 43627
- Mains-side terminal compartment (300 x 300 mm) on insulated bus bar system
- Meter field with space for additional applications (300 x 450 mm) in accordance with DIN VDE 0603-2-1
- System-side terminal compartment (2x 125 x 200 mm)



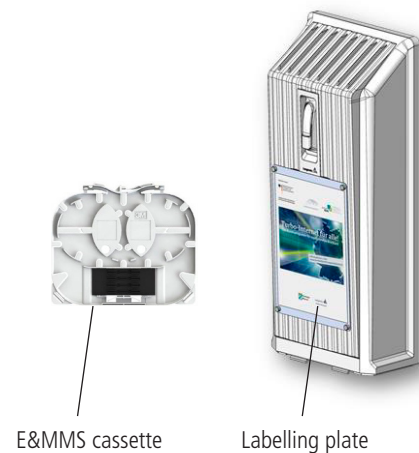
## Outdoor Cabinet Technical Data and Configuration

Designation:	Langmatz EK 430 2.0 – Optical Fibre Network Distributor Size M
Dimensions:	Length, incl. pedestal: 2,003 mm – 2,103 mm Width 454 mm Depth 273 mm
Weight:	Approx. 38 kg
Material:	Polycarbonate (PC)
Colour:	RAL 7038
Protection class:	IP 54
Impact strength:	IK 10



### Accessories

- Labelling plate for the requested configuration
- E&MMS cassette system for single- and multiple-fibre management (pack of 6)
  - Stowage of up to 12 splices
- Optical splitter/coupler
  - Available in different configurations and suitable for many applications
- Fixing straps (48 mm 1.3–6 mm)



Subject to technical modifications | As of 22-01-2021