



Langmatz underground distribution systems are modern distribution systems also suitable for flood proof underground installation. We produce and deliver solutions that fit urban landscapes in the age of contemporary marketplace design.

Langmatz underground distribution systems are modern, flood proof distribution systems for electricity, water and telecommunication lines suitable for underground installation.

They ensure solutions that fit urban landscapes in the age of contemporary marketplace design and urban renewal.

Advantages

- Wide field of applications with different standard variants, customised electrical socket combinations, component integration and supply media
- Reliable fixture protection against flooding thanks to flood proof compartment
- Access possible at any time in all weathers thanks to the specially patented locking system
- Protection against unauthorised access using different locking variants
- Easier and faster opening of the covers using supporting stainless steel gas springs
- Load classes up to D 400 acc. to DIN EN 124



Product properties

- Dirt-resistant locking mechanism with positive opening function in the event of dirt ingress or icing
- Modular design of the electrical socket combinations
- Electrical socket combinations are integrated into flood proof submersion hood
- Cable outlet on the left-hand and right-hand side of the locking mechanism, independent operation
- Fresh water connections
 - Supply: 1"
 - Outlet: 1/2"
 - EK 600 | coupler up to 2 x 1/2 inch to 1 inch
 - EK 800 | coupler up to 4 x 1/2 inch to 1 inch
 - + 1 x 2" waste water
- Swivel manhole cover, easily accessible due to two stainless steel gas springs
- Clear, logical assignment of the circuit breaker/residual current device to the sockets
- One miniature circuit breaker per socket
- Sheet metal parts produced with modern sheet metal bending technology
- Step protection
- IP68 connection housing acc. to DIN EN 60 529 with NH-00 fixture as back-up fuse or as terminal box
- Clearly defined area for the installation of an expansion joint
- Water connection installation in the area of the optional electric heater
- Lockable
- Centred locking mechanism for optimum application of force



Individual configuration

Modular electrical socket combinations

- Integrated into flood proof submersion cover
- Configuration example (see configurator)

Connecting housing

- IP68 acc. to DIN EN 60 529
- With NH-00 back-up fuse or terminal block

Cover heater

- 180W
- Thermostat

Fresh water

- 2 x quick disconnect (fibre) coupler, type GK 1/2-1" (EK 600) or 4 x quick disconnect (fibre) coupler, type GK 1/2-1" (EK 800)
- Fresh water KFR (combined free-flow/check valve) shut-off valve (The operating company is responsible for check valves)
- Shut-off and drainage hydrant
- Water meter

Waste water

Storz 52-C 2" DIN 14037 quick disconnect (fibre) couplers for waste water-

Compressed air

- On request



Underground distribution system EK 600 | EK 800

with swivel manhole cover



Underground distribution system EK 838

with integrated cable outlet in cast iron cover



Underground distribution system EK 880

with horizontally swivelling flood proof compartment



Underground distribution system

mit NH-00-isolator with IP68 connection housing



Motorway roadside emergency telephone manhole EK 383

Langmatz is an innovative plastics and metals processing company.
With numerous patents, we are constantly setting new standards.

Rooted in the Bavarian Garmisch-Partenkirchen region, we continuously develop high-quality products that meet international standards. We manufacture technologically advanced systems for infrastructure: manholes, underground distribution systems, solutions for fibre optic networks, signal requesting devices and much more – “Made in Germany” is our motivation as well as our obligation.



Polycarbonate manholes



Underground distribution systems



FTTx-Solutions for optical fibre networks



Outdoor cabinets and pedestals



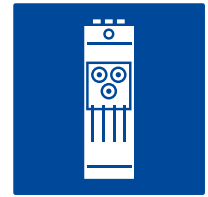
Building cable & pipe entry systems



Products for tunnel construction



Street lights



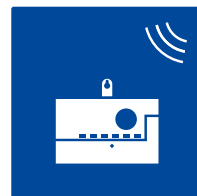
Fuse boxes



Bird protection equipment



Signal requesting devices



Radio ripple control receivers

