

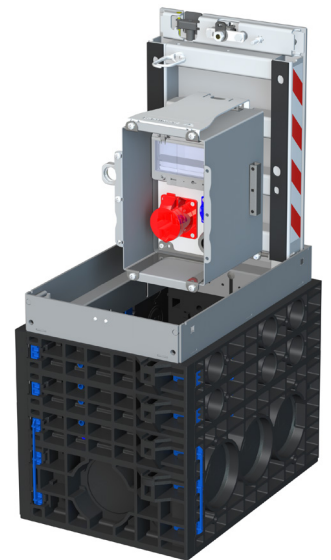
Small underground distribution system

EK410 *connect*

We have designed the underground distribution systems of the TechnicBox® series such that everything that needs to be underground is well protected yet also easily accessible to authorised personnel in all weather conditions. Our underground distribution systems are modern, flood-proof connection and distribution systems for electricity, water and telecommunication lines suitable for underground installation. We have a number of standard designs to offer our customers perfect solutions for modern infrastructure and urban design.

Advantages

- Greater protection through an "invisible" solution for sensitive or critical infrastructure
- Faster approvals as it is a "solution that can be integrated into the cityscape" and installed at special listed sites
- Lower (consequential) costs at sites that suffer from high levels of vandalism (stadiums, bus stops) or sites at which cabinets are frequently damaged or knocked over
- More space in tight public spaces
- Fewer compromises due to the variable positioning of connection solutions at the ideal site
- Greater availability compared to mobile solutions, as connection and operating equipment is always on site (no additional technicians needed at short notice for commissioning)



▲ EK410 connect with stainless steel submersion hood

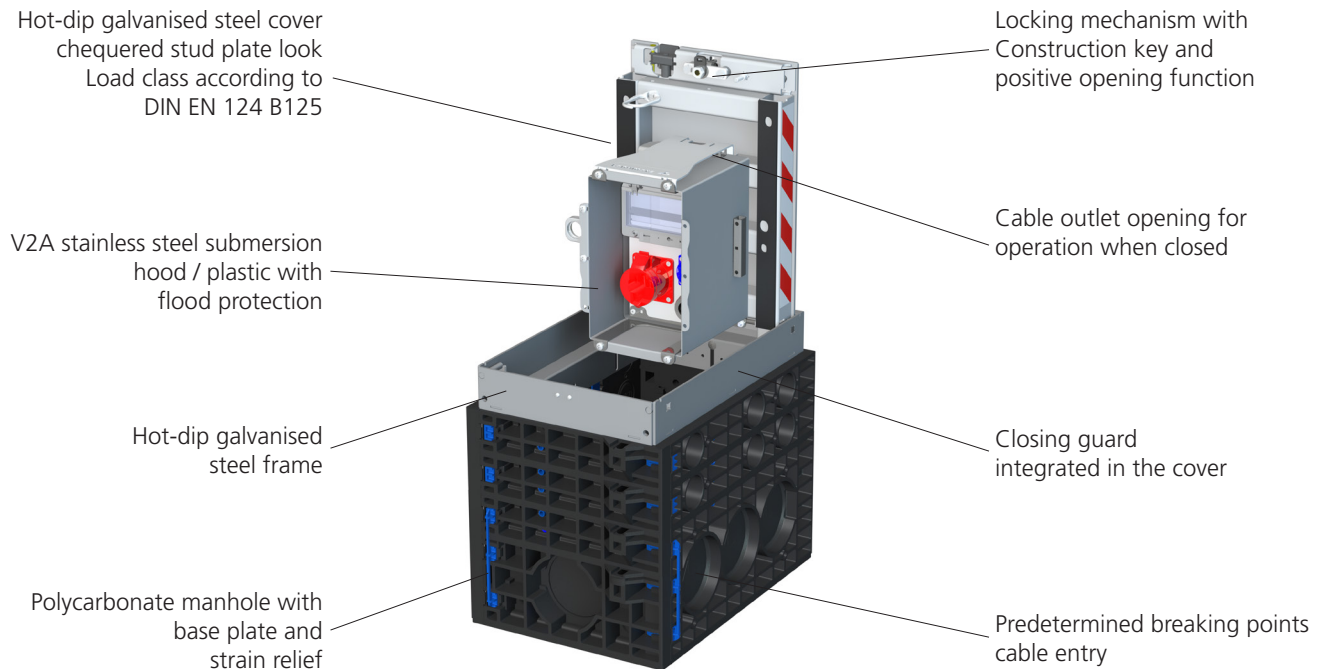
Advantages of Langmatz polycarbonate manholes

- Polycarbonate (PC) optimised for manhole construction with patented 3D ribFrame® technology
- High-quality polycarbonate with high temperature, chemical, UV and weather resistance
- Modular basic kits enable customers to accommodate numerous manhole heights and clear dimensions
- Excellent flexibility with regard to insertion of media due to predetermined breaking points and various pipe entries

Technical data

Designation	Langmatz underground distribution system EK410 connect
Dimensions	Length: 545 mm, Width: 360 mm, Height 435 mm Clear dimensions 250 x 400 mm
Weight	Approx. 35 kg
Cover	Galvanised steel, chequered stud plate look
Load class	DIN EN 124 B125 equates to 12.5 tonnes, 125 kN
Body material	Polycarbonate
IP degree of protection	closed IP48, open IP44
Top frame material	Hot-dip galvanised steel
Submersion hood material	Polypropylene or stainless steel
Mounting panel material	Polycarbonate
Dimensions of mounting panel	147 x 224 mm, installation depth with 1-metre flood protection approx. 45 mm

Design



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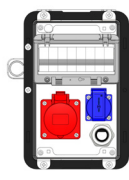
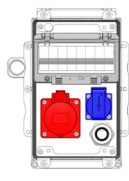
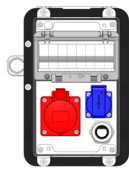
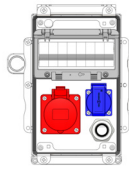
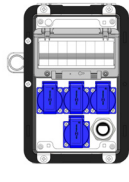
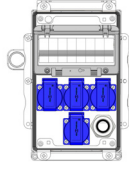

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Key functions

- Small design and lightweight (height 435 mm, weight 35 kg)
- Submersion hood, flood-proof up to 1-metre water column
- The cover, cable outlet and locking mechanism are flush with the ground, cannot be lost and do not present a trip hazard
- Intuitive and safe operation, can be operated by a lay person (minimal operating weight of less than 15 kg)
- Submersion hood opens with automatic fastening clamp when open to prevent accidental closing.
- Minimal contact surface and damping support reduce contamination and icing up
- Rounded cable outlet prevents cable shearing
- Key-operated locking mechanism
- Spring-opening function when iced up
- Various expansion versions with sockets and fuses are available

Configuration options of electrical distribution systems

Submersion hood Material	Socket version	Electrical safety and over-load protection device	Item no.	Illustration
PP plastic	1x 16 A/230 V Schuko standard European plug 1x 16 A/400 V CEE	1x LS B-16 A 1-phase 1x LS C-16 A 3-phase 1x FI/RCD 40 A type A	064101000	
Stainless steel V2A	1x 16 A/230 V Schuko standard European plug 1x 16 A/400 V CEE	1x LS B-16 A 1-phase 1x LS C-16 A 3-phase 1x FI/RCD 40 A type A	064101001	
PP plastic	1x 16 A/230 V Schuko standard European plug 1x 32 A/400 V CEE	1x LS B-16 A 1-phase 1x LS C-32 A 3-phase 1x FI/RCD 40 A type A	064101002	
Stainless steel V2A	1x 16 A/230 V Schuko standard European plug 1x 32 A/400 V CEE	1x LS B-16 A 1-phase 1x LS C-32 A 3-phase 1x FI/RCD 40 A type A	064101003	
PP plastic	4x 16 A/230 V Schuko standard European plug	4x LS B-16 A 1-phase 1x FI/RCD 40 A type A	064101004	
Stainless steel V2A	4x 16 A/230 V Schuko standard European plug	4x LS B-16 A 1-phase 1x FI/RCD 40 A type A	064101005	
PP plastic	Empty housing	Mounting panel only	064101006	
Stainless steel V2A	Empty housing	Mounting panel only	064101007	