

EK410 connect – Underground distribution systems

Product features – Body

▲ Innovative manhole structure with 3D ribFrame

Modular, resistant, and durable system solution that can be adapted to the specific location

▲ Modular manhole structure

Flexible, adapts to the respective situation, and easy to handle

▲ Modified polycarbonate (PC)

Hard-wearing, certified groundwater compatibility, UV-resistant



Product features – Cover

▲ Submersion hood (swivelling)

Ideal for areas at risk of flooding

▲ Locking mechanism and cable outlet flush with the ground

No risk of tripping; secure cable routing with shear protection

▲ Cover/submersion hood safety catch

Enhanced accident prevention and safe operation of the equipment compartment

▲ Opening support for submersion hood

Ease of opening due to low weight of submersion hood, or using two stainless steel gas springs

▲ Locking mechanism requires a special key

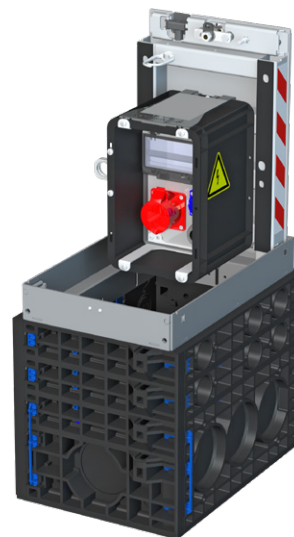
Protection against unauthorised access – Security

▲ Positive opening function

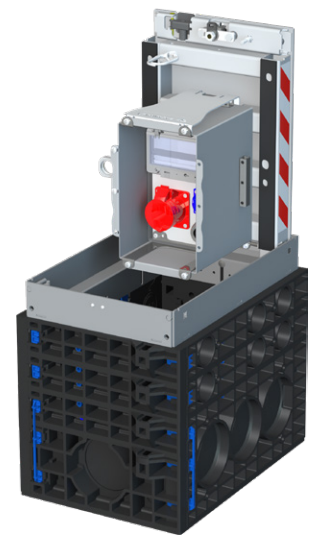
Access also when iced over; dirt-resistant

▲ Sockets with electrical circuit-breaker and PRCD

High safety standards and accident prevention in accordance with VDE regulations



▲ EK410 connect - with plastic submersion hood



▲ EK410 connect - stainless steel (V2A) submersion hood



▲ EK410 connect - with steel cover

Submersion hood extension variants

▲ Socket versions

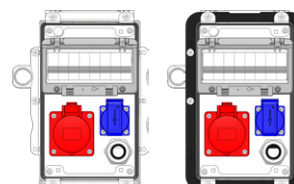
- 16 A/230 V Schuko/16 A/400 V Schuko
- 16 A/400 V CEE/32 A/400 V CEE

▲ Circuit breaker/RCD switch

- Circuit-breaker B-16 A 1-phase
- Circuit-breaker C-16 A 3-phase
- FI/RCD 40 A Type A

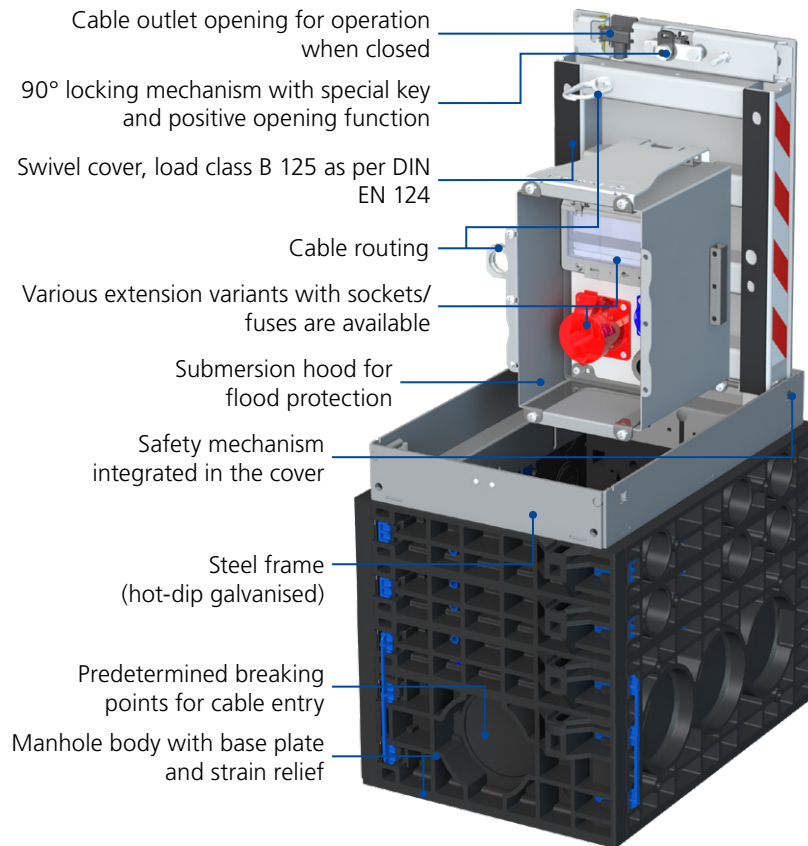
▲ Mounting panel

- Individualised extension options are possible for the submersion hood

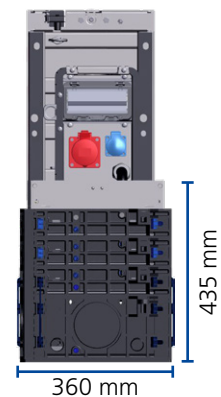
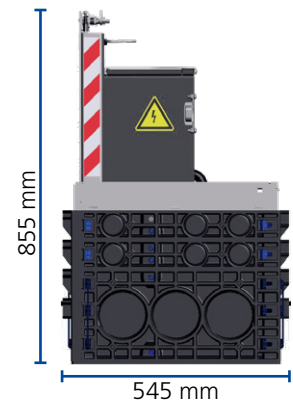


▲ Examples of socket variants

Structure



Dimensions



Technical data

Designation	EK410 connect
Clear dimensions	250 x 400 mm (WxD)
External dimensions	360 x 545 x 435 mm/opens to 855 mm (WxLxH)
Total weight	Approx. 35 kg
Cover weight	Approx. 10 kg
Max. load class	B 125 (12.5 tonnes, 125 kN) as per DIN EN 124
Max. protection	40 A
Protection rating	closed: IP 48/open: IP 44 (as per DIN EN 60529)
Maximum installation space for submersion hood	147 x 224 x 105 mm (WxLxD), max. installation depth of electrical components 45 mm for a 1 m water column
Cover material	Cover: steel (hot-dip galvanised) in chequered stud plate look Steel frame: steel (hot-dip galvanised)
Submersion hood material	polypropylene (PP) or stainless steel (V2A)
Mounting panel material	polycarbonate (PC)
Body material	polycarbonate (PC)