

EK800 – 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
- ▲ **Various manhole cover types**
Variable surface material, design and structure can be adapted; blends into the cityscape
- ▲ **Lock accessible only with a special construction key**
Protection against unauthorised access – Security
- ▲ **Opening support for cover and submersion hood**
Can be operated by non-professionals by means of two stainless steel gas springs. Cover and submersion hood are connected
- ▲ **Step protection/trip guard**
Prevents people from falling in when the cover is open
- ▲ **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

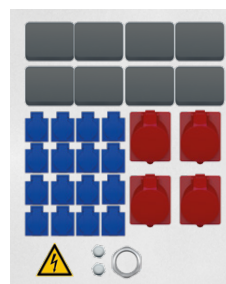


▲ EK800 – without extension

▲ EK800 – with extension

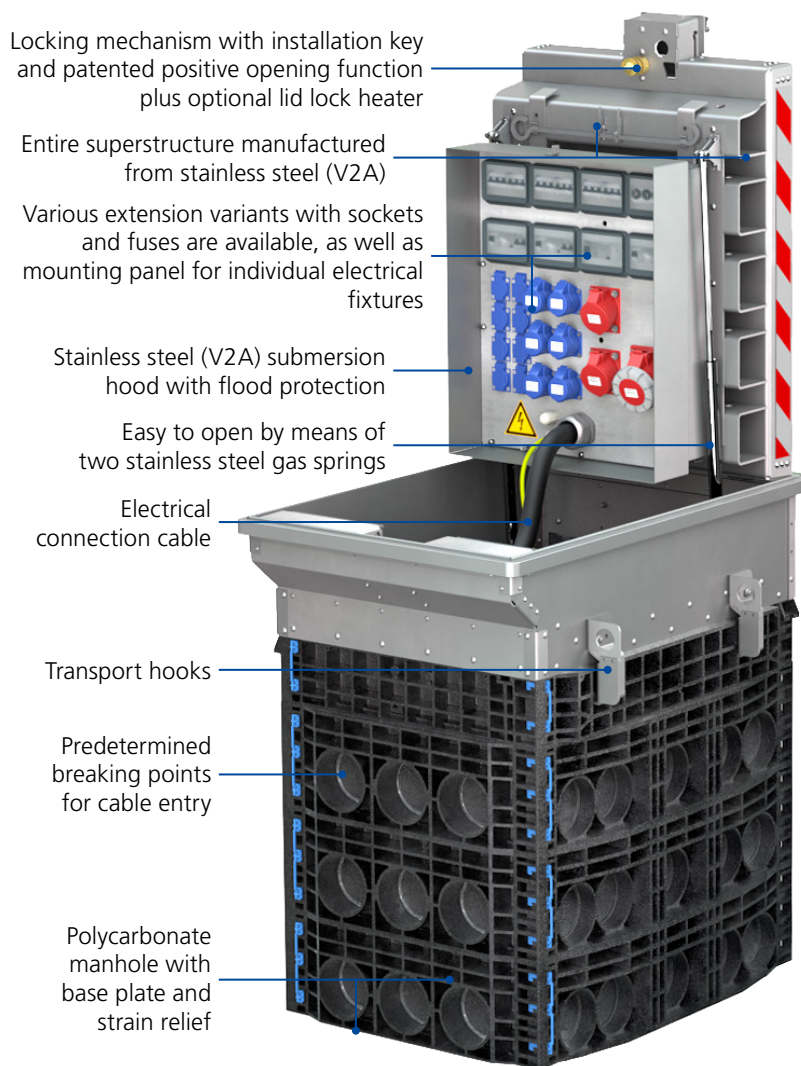
Submersion hood extension variants

- ▲ **Mounting panel**
- Individualised extension options are possible for the submersion hood
- ▲ **Modular socket variants**
- 16 A/230 V Schuko/16 A/400 V Schuko
- 16 A/400 V CEE/32 A/400 V CEE/63 A/400 V CEE
- ▲ **Fresh water connection**
- ▲ **Waste water connection**
- ▲ **Terminal housing for back-up fuse**
- ▲ **Data connection/telecommunication**
- ▲ **Compressed air**

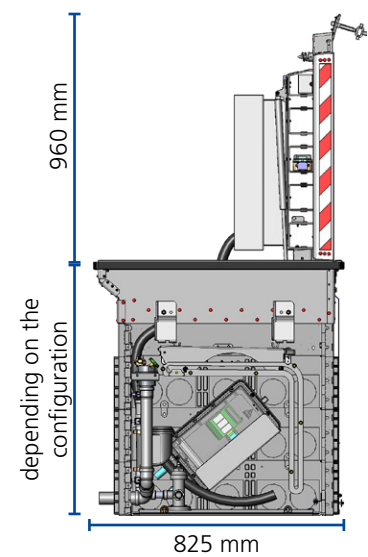


▲ Examples of socket variants

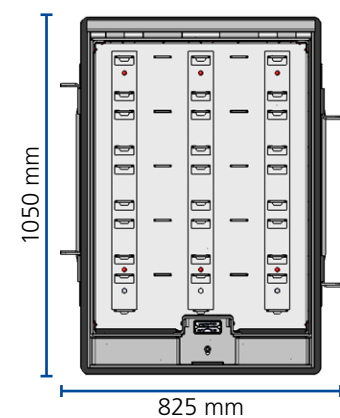
Structure



Dimensions



▲ EK800 side view



▲ EK800 top view (paveable cover)

Technical data

Designation	EK800
Clear dimensions	550 x 800 mm (WxD)
External dimensions	825 x 1050 x 625/845/1065 mm depending on equipment (W x L x H)
Total weight	approx. 285 kg (without paving, concrete)
Cover weight	Approx. 90 kg
Max. load class	D 400 (40 tonnes, 400 kN) as per DIN EN 124
Max. protection	100 A
Protection rating	closed: IP 58/open: IP 54 (as per DIN EN 60529)
Maximum installation space for submersion hood	486x606x76 mm (WxLxD), max. installation depth of electrical components 62 mm for a 1 m water column
Cover material	Cover: paveable, concrete-lined (tray depth 65 mm) Steel frame: Stainless steel (V2A)
Submersion hood material	Stainless steel (V2A)
Mounting panel material	stainless steel (V2A)/plastic (polycarbonate)
Body material	polycarbonate (PC)