

Product properties EK 600 | EK 800

- Patented opening mechanism allows opening despite a layer of ice or dirt on the cover (positive opening function)
- Opening mechanism protected against dirt by separate locking flap
- Opening of the locking flap using a special construction key prevents unauthorised access
- 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 line: 1 inch
 - Outlet: 1/2 inch
 - EK 600 | adapter 2 x 1/2 inch to 1 inch
 - EK 800 | adapter 2 or 4 x 1/2 inch to 1 inch
 - + 1 x 2 inch waste water
- Swivelling manhole cover, smooth running thanks to two stainless steel gas springs
- Clear, logical assignment of the circuit breakers/residual current devices to the sockets
- One miniature circuit breaker per socket
- Sheet metal parts produced with modern sheet metal bending technology
- Step protection
- IP68 terminal 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



Custom configuration EK 600 | EK 800

Modular electrical socket combinations

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

Terminal housing

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

Cover heater

- 180 W
- Thermostat

Fresh water

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

Waste water

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

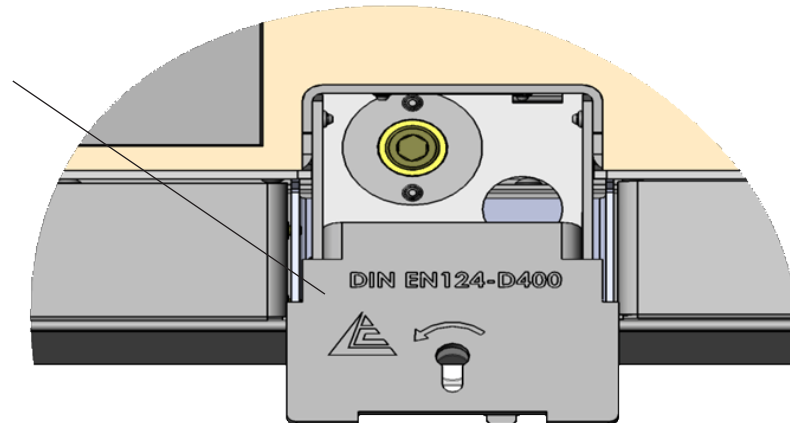
Compressed air

- On request

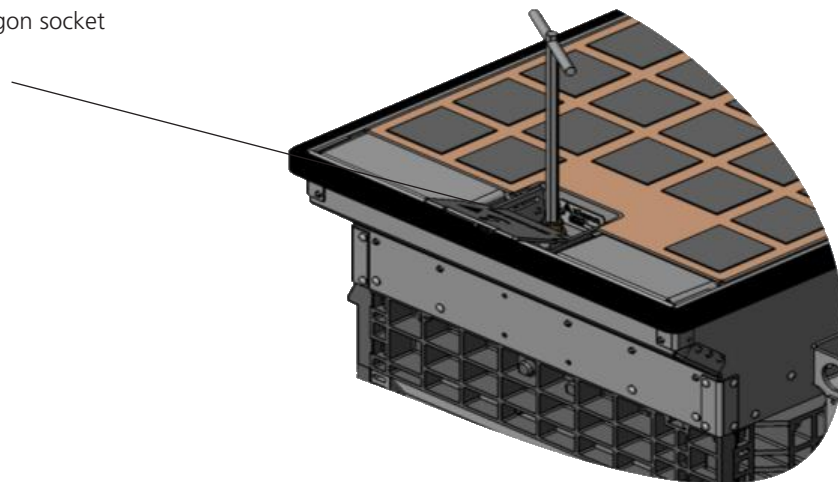


Locking mechanism for underground distribution system EK 600 | EK 800

Opening mechanism protected by
separate locking flap



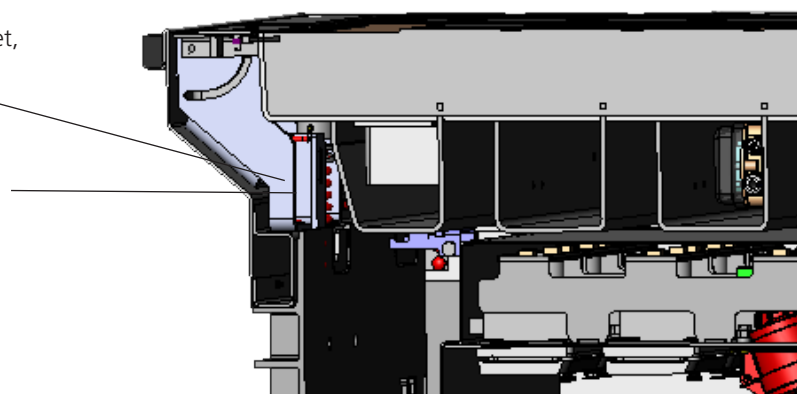
Locking mechanism with hexagon socket
spanner for easy operation



Cable outlet and locking spring

Generously dimensioned cable outlet,
possible for cables up to Ø 60 mm

Patented locking mechanism



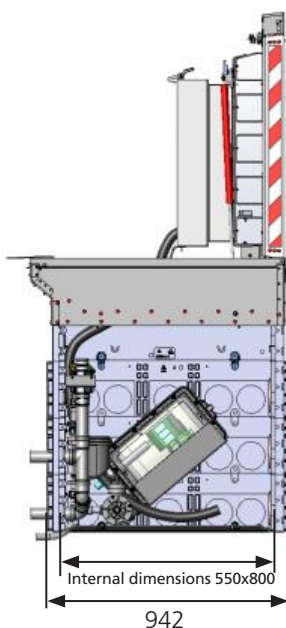
Underground distribution system EK 800 with swivelling manhole cover

Marketplace designs that fit into urban landscapes, and the supply of marketplaces, individual stalls and events with electricity, fresh water and much more.

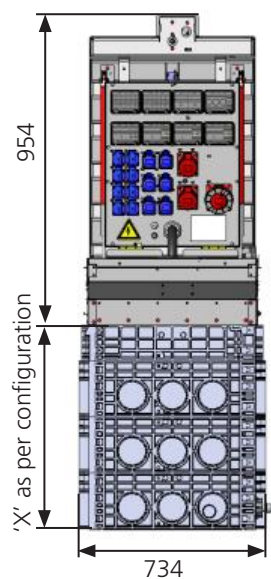
Hidden underground and well-protected against vandalism and damage. Fast and easy access for authorised personnel.



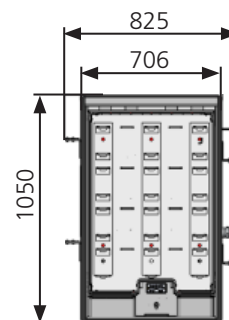
	EK 800
Clear dimensions:	550 x 800 mm
Overall external dimensions:	825 x 1050 mm
Outer height without NH-00 back-up fuse:	approx. 625 or 845 mm
Outer height with NH-00 back-up fuse:	approx. 1065 mm
Paveable stainless steel manhole cover and manhole frame:	up to D 400 acc. to DIN EN 124
Paving height:	65 mm
Maximum fuse protection:	100 A
Connected load of the optional electric heater:	180 W
Protection class of the electric distributor:	closed: IP58 acc. to DIN EN 60 529 open: IP54 acc. to DIN EN 60 529



Side view



Front view






Top view
(paveable cover)

Manhole Configurator EK 800

= Please mark requested variant

1 Manhole body

	Description	Paveable cover Item No.	Chequered stud plate cover Item No.	Concrete-lined cover Item No.
	Visual depiction			
Height 1 = 625 mm	<ul style="list-style-type: none"> • Elec. installation kit up to max. 32 A socket only for var. 1; 2; 10 • No water and/or waste water possible • No main fuse and/or clamping unit possible 	06 800 0501 1 x size 220 frame <input type="checkbox"/>	06 800 0501/001 1 x size 220 frame <input type="checkbox"/>	06 800 0501/002 1 x size 220 frame <input type="checkbox"/>
Height 2 = 845 mm	<ul style="list-style-type: none"> • Electrical installation kit: no restrictions • No water and/or waste water possible • No main fuse and/or clamping unit possible 	06 800 0502 2 x size 220 frame <input type="checkbox"/>	06 800 0502/001 2 x size 220 frame <input type="checkbox"/>	06 800 0502/002 2 x size 220 frame <input type="checkbox"/>
Height 3 = 1065 mm	No restrictions	06 800 0503 3 x size 220 frame <input type="checkbox"/>	06 800 0503/001 3 x size 220 frame <input type="checkbox"/>	06 800 0503/002 3 x size 220 frame <input type="checkbox"/>

2 Test category


Test category	Item No.	Selection
DIN EN124-B125	06 800 0053	<input type="checkbox"/>
DIN EN124-D400	06 800 0052	<input type="checkbox"/>


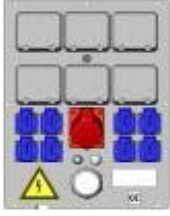
3 Step protection

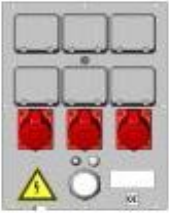
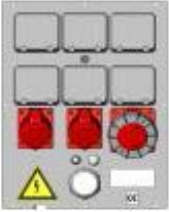
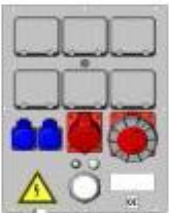
Optional when equipped with submersion hood.

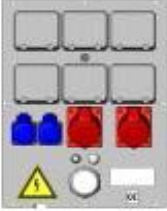
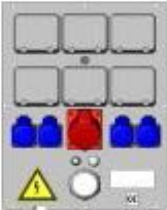
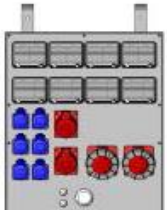
Variants	Item No.	Selection
Integrated, hinged	06 800 0058	<input type="checkbox"/>
Not integrated, insertable	70 071 6621	<input type="checkbox"/>

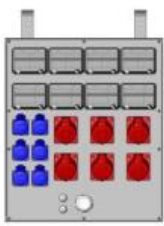
4 Electrical installation kit

Vari- ant	Visual depiction	Configuration	Cable cross-sec- tion	Back-up fuse rated current	Item No.	Selection
1.1		16 x Schuko 4 x 16 A 5-pole 0 x 32 A 5-pole	16 mm ²	max. 80 A	06 800 0301	<input type="checkbox"/>
1.2		16 x Schuko 3 x 16 A 5-pole 1 x 32 A 5-pole	16 mm ²	max. 80 A	06 800 0302	<input type="checkbox"/>
1.3		16 x Schuko 2 x 16 A 5-pole 2 x 32 A 5-pole	16 mm ²	max. 80 A	06 800 0303	<input type="checkbox"/>
1.4		16 x Schuko 1 x 16 A 5-pole 3 x 32 A 5-pole	16 mm ²	max. 80 A	06 800 0304	<input type="checkbox"/>
1.5		16 x Schuko 0 x 16 A 5-pole 4 x 32 A 5-pole	16 mm ²	max. 80 A	06 800 0305	<input type="checkbox"/>

Variant	Visual depiction	Configuration	Cable cross-section	Back-up fuse rated current	Item No.	Selection
2.1		8 x Schuko 6 x 16 A 5-pole 0 x 32 A 5-pole	16 mm ²	max. 80 A	06 800 0306	<input type="checkbox"/>
2.2		8 x Schuko 5 x 16 A 5-pole 1 x 32 A 5-pole	16 mm ²	max. 80 A	06 800 0307	<input type="checkbox"/>
2.3		8 x Schuko 4 x 16 A 5-pole 2 x 32 A 5-pole	16 mm ²	max. 80 A	06 800 0308	<input type="checkbox"/>
2.4		8 x Schuko 3 x 16 A 5-pole 3 x 32 A 5-pole	16 mm ²	max. 80 A	06 800 0309	<input type="checkbox"/>
2.5		8 x Schuko 2 x 16 A 5-pole 4 x 32 A 5-pole	16 mm ²	max. 80 A	06 800 0310	<input type="checkbox"/>
2.6		8 x Schuko 1 x 16 A 5-pole 5 x 32 A 5-pole	16 mm ²	max. 80 A	06 800 0311	<input type="checkbox"/>
2.7		8 x Schuko 0 x 16 A 5-pole 6 x 32 A 5-pole	25 mm ²	max. 100 A	06 800 0312	<input type="checkbox"/>
3.1		8 x Schuko 2 x 16 A 5-pole 0 x 32 A 5-pole 2 x 63 A 5-pole	25 mm ²	max. 100 A	06 800 0313	<input type="checkbox"/>
3.2		8 x Schuko 1 x 16 A 5-pole 1 x 32 A 5-pole 2 x 63 A 5-pole	25 mm ²	max. 100 A	06 800 0314	<input type="checkbox"/>
3.3		8 x Schuko 0 x 16 A 5-pole 2 x 32 A 5-pole 2 x 63 A 5-pole	25 mm ²	max. 100 A	06 800 0315	<input type="checkbox"/>

Variant	Visual depiction	Configuration	Cable cross-section	Back-up fuse rated current	Item No.	Selection
4.1		8 x Schuko 4 x 16 A 5-pole 0 x 32 A 5-pole 1 x 63 A 5-pole	25 mm ²	max. 100 A	06 800 0316	<input type="checkbox"/>
4.2		8 x Schuko 3 x 16 A 5-pole 1 x 32 A 5-pole 1 x 63 A 5-pole	25 mm ²	max. 100 A	06 800 0317	<input type="checkbox"/>
4.3		8 x Schuko 2 x 16 A 5-pole 2 x 32 A 5-pole 1 x 63 A 5-pole	25 mm ²	max. 100 A	06 800 0318	<input type="checkbox"/>
4.4		8 x Schuko 1 x 16 A 5-pole 3 x 32 A 5-pole 1 x 63 A 5-pole	25 mm ²	max. 100 A	06 800 0319	<input type="checkbox"/>
4.5		8 x Schuko 0 x 16 A 5-pole 4 x 32 A 5-pole 1 x 63 A 5-pole	25 mm ²	max. 100 A	06 800 0320	<input type="checkbox"/>
5.1		16 x Schuko 2 x 16 A 5-pole 0 x 32 A 5-pole 1 x 63 A 5-pole	25 mm ²	max. 100 A	06 800 0321	<input type="checkbox"/>
5.2		16 x Schuko 1 x 16 A 5-pole 1 x 32 A 5-pole 1 x 63 A 5-pole	25 mm ²	max. 100 A	06 800 0322	<input type="checkbox"/>
5.3		16 x Schuko 0 x 16 A 5-pole 2 x 32 A 5-pole 1 x 63 A 5-pole	25 mm ²	max. 100 A	06 800 0323	<input type="checkbox"/>
6.1		12 x Schuko 3 x 16 A 5-pole 0 x 32 A 5-pole 1 x 63 A 5-pole	25 mm ²	max. 100 A	06 800 0324	<input type="checkbox"/>
6.2		12 x Schuko 2 x 16 A 5-pole 1 x 32 A 5-pole 1 x 63 A 5-pole	25 mm ²	max. 100 A	06 800 0325	<input type="checkbox"/>
6.3		12 x Schuko 1 x 16 A 5-pole 2 x 32 A 5-pole 1 x 63 A 5-pole	25 mm ²	max. 100 A	06 800 0326	<input type="checkbox"/>
6.4		12 x Schuko 0 x 16 A 5-pole 3 x 32 A 5-pole 1 x 63 A 5-pole	25 mm ²	max. 100 A	06 800 0327	<input type="checkbox"/>

Variant	Visual depiction	Configuration	Cable cross-section	Back-up fuse rated current	Item No.	Selection
7.1		8 x Schuko 6 x 16 A 3-pole 2 x 16 A 5-pole 0 x 32 A 5-pole 1 x 63 A 5-pole	25 mm ²	max. 100 A	06 800 0328	<input type="checkbox"/>
7.2		8 x Schuko 6 x 16 A 3-pole 1 x 16 A 5-pole 1 x 32 A 5-pole 1 x 63 A 5-pole	25 mm ²	max. 100 A	06 800 0329	<input type="checkbox"/>
7.3		8 x Schuko 6 x 16 A 3-pole 0 x 16 A 5-pole 2 x 32 A 5-pole 1 x 63 A 5-pole	25 mm ²	max. 100 A	06 800 0330	<input type="checkbox"/>
8.1		6 x 16 A 3-pole 4 x 16 A 5-pole 0 x 32 A 5-pole 1 x 63 A 5-pole	25 mm ²	max. 100 A	06 800 0331	<input type="checkbox"/>
8.2		6 x 16 A 3-pole 3 x 16 A 5-pole 1 x 32 A 5-pole 1 x 63 A 5-pole	25 mm ²	max. 100 A	06 800 0332	<input type="checkbox"/>
8.3		6 x 16 A 3-pole 2 x 16 A 5-pole 2 x 32 A 5-pole 1 x 63 A 5-pole	25 mm ²	max. 100 A	06 800 0333	<input type="checkbox"/>
8.4		6 x 16 A 3-pole 1 x 16 A 5-pole 3 x 32 A 5-pole 1 x 63 A 5-pole	25 mm ²	max. 100 A	06 800 0334	<input type="checkbox"/>
8.5		6 x 16 A 3-pole 0 x 16 A 5-pole 4 x 32 A 5-pole 1 x 63 A 5-pole	25 mm ²	max. 100 A	06 800 0335	<input type="checkbox"/>
9.1		6 x 16 A 3-pole 2 x 16 A 5-pole 0 x 32 A 5-pole 2 x 63 A 5-pole	25 mm ²	max. 100 A	06 800 0336	<input type="checkbox"/>
9.2		6 x 16 A 3-pole 1 x 16 A 5-pole 1 x 32 A 5-pole 2 x 63 A 5-pole	25 mm ²	max. 100 A	06 800 0337	<input type="checkbox"/>
9.3		6 x 16 A 3-pole 0 x 16 A 5-pole 2 x 32 A 5-pole 2 x 63 A 5-pole	25 mm ²	max. 100 A	06 800 0338	<input type="checkbox"/>

Variant	Visual depiction	Configuration	Cable cross-section	Back-up fuse rated current	Item No.	Selection
10.1		6 x 16 A 3-pole 6 x 16 A 5-pole 0 x 32 A 5-pole	16 mm ²	max. 80 A	06 800 0339	<input type="checkbox"/>
10.2		6 x 16 A 3-pole 5 x 16 A 5-pole 1 x 32 A 5-pole	16 mm ²	max. 80 A	06 800 0340	<input type="checkbox"/>
10.3		6 x 16 A 3-pole 4 x 16 A 5-pole 2 x 32 A 5-pole	16 mm ²	max. 80 A	06 800 0341	<input type="checkbox"/>
10.4		6 x 16 A 3-pole 3 x 16 A 5-pole 3 x 32 A 5-pole	16 mm ²	max. 80 A	06 800 0342	<input type="checkbox"/>
10.5		6 x 16 A 3-pole 2 x 16 A 5-pole 4 x 32 A 5-pole	16 mm ²	max. 80 A	06 800 0343	<input type="checkbox"/>
10.6		6 x 16 A 3-pole 1 x 16 A 5-pole 5 x 32 A 5-pole	25 mm ²	max. 100 A	06 800 0344	<input type="checkbox"/>
10.7		6 x 16 A 3-pole 0 x 16 A 5-pole 6 x 32 A 5-pole	25 mm ²	max. 100 A	06 800 0345	<input type="checkbox"/>
11	Submersion hood with mounting panel	Prepared for individual configuration by customers			06 800 0346	<input type="checkbox"/>
12	Without electrical installation / without submersion hood	Earthing and mounting set for version without electrical installation kit. CAUTION! Damper settings corresponds to the assembly condition with electrical fixtures.			06 800 0300	<input type="checkbox"/>

5 Connection cable for electrical installation kit

Cable cross-section based on list with electrical installation kit not in connection with the main fuse.

Connection cable	Item No.	Selection
5 x 35 mm ² ; 3 metres	06 800 0090	<input type="checkbox"/>
4 x 35 mm ² ; 3 metres	06 800 0091	<input type="checkbox"/>
5 x 25 mm ² ; 3 metres	06 800 0092	<input type="checkbox"/>
4 x 25 mm ² ; 3 metres	06 800 0093	<input type="checkbox"/>
5 x 16 mm ² ; 3 metres	06 800 0094	<input type="checkbox"/>
4 x 16 mm ² ; 3 metres	06 800 0095	<input type="checkbox"/>

6 Main fuse and/or clamping unit

Optional at height 3 (1065 mm)

Cable cross-section based on list with electrical installation kit.

Visual depiction	Description	Item No.	Selection
	Main fuse NH-00 max. 100A / with 3.5 m connection cable 5 x 35mm ²	06 664 0550	<input type="checkbox"/>
	Main fuse NH-00 max. 100A / with 3.5 m connection cable 4 x 35 mm ²	06 664 0551	<input type="checkbox"/>
	Main fuse NH-00 max. 100A / with 3.5 m connection cable 5 x 25 mm ²	06 664 0552	<input type="checkbox"/>
	Main fuse NH-00 max. 100A / with 3.5 m connection cable 4 x 25 mm ²	06 664 0553	<input type="checkbox"/>
	Main fuse NH-00 max. 80A / with 3.5 m connection cable 5 x 16 mm ²	06 664 0554	<input type="checkbox"/>
	Main fuse NH-00 max. 80A / with 3.5 m connection cable 4 x 16 mm ²	06 664 0555	<input type="checkbox"/>
	IP68 housing with 16-35 mm ² clamp, 35 mm ² cable for elec. installation kit for connection cable, Ø 34-45 mm (not included with delivery)	06 664 0556	<input type="checkbox"/>
	IP68 housing with 16-35 mm ² clamp, 25 mm ² cable for elec. installation kit for connection cable, Ø 34-45 mm (not included with delivery)	06 664 0557	<input type="checkbox"/>
IP68 housing with 16-35 mm ² clamping block 16 mm ² cable for elec. installation kit for connection cable, Ø 27-34.5 mm (not included with delivery)	06 664 0558	<input type="checkbox"/>	

7 Lid lock heater

Lid lock heater	Item No.	Selection
Yes	06 800 0060	<input type="checkbox"/>
No	-	<input type="checkbox"/>

8 Waste water


Optional at height 3 (1065 mm)

Waste water 2" Storz coupler	Item No.	Selection
Yes	06 800 0059	<input type="checkbox"/>
No	-	<input type="checkbox"/>



9 Fresh water

Optional at height 3 (1065 mm)

1/2"-1" quick disconnect coupler in the outlet area, 1" disconnect coupler in the access area

Visual depiction	Description	Item No.	Selection
	2 x Fresh water connection	70 070 7902	<input type="checkbox"/>
	4 x Fresh water connection	70 070 7904	<input type="checkbox"/>
	2 x Fresh water connection with main hydrant	70 070 7906	<input type="checkbox"/>
	4 x Fresh water connection with main hydrant	70 070 7908	<input type="checkbox"/>
	2 x Fresh water connection with water meter	70 070 7910	<input type="checkbox"/>
	4 x Fresh water connection with water meter	70 070 7912	<input type="checkbox"/>
	2 x Fresh water connection with main hydrant and water meter	70 070 7914	<input type="checkbox"/>
	4 x Fresh water connection with main hydrant and water meter	70 070 7916	<input type="checkbox"/>

10 Optional Accessories

Visual depiction	Description	Item No.	Selection
	Hexagonal socket spanner SW14 T-shape	70 069 9600	<input type="checkbox"/>
	Valve key for main hydrant T-shape	70 071 0500	<input type="checkbox"/>

11 Language Installation, operation and maintenance guidelines

Language	Item No.	Selection
German	70 070 0900 / 000	<input type="checkbox"/>
English	70 070 0900 / 001	<input type="checkbox"/>

Other languages available on request.