

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

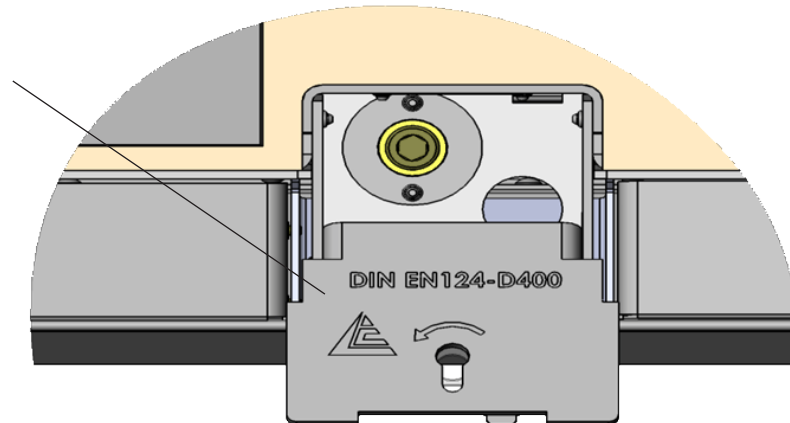
Compressed air

- On request

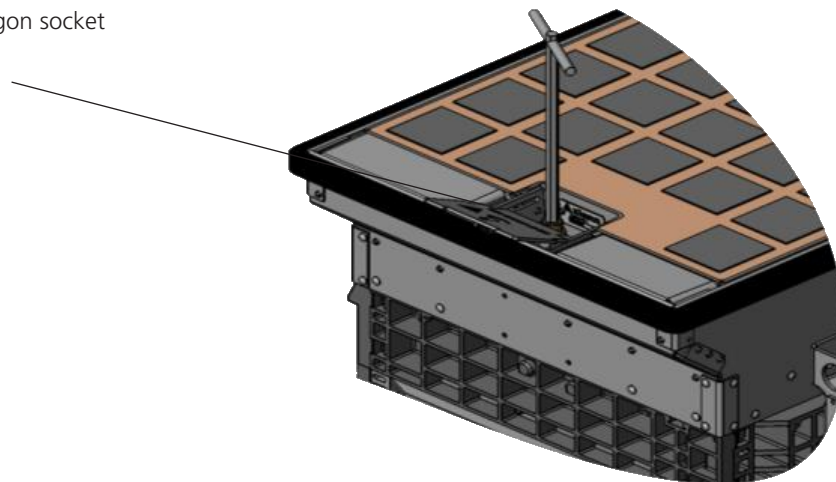


Locking mechanism for underground distribution system EK 600 | EK 800

Opening mechanism protected by
separate locking flap



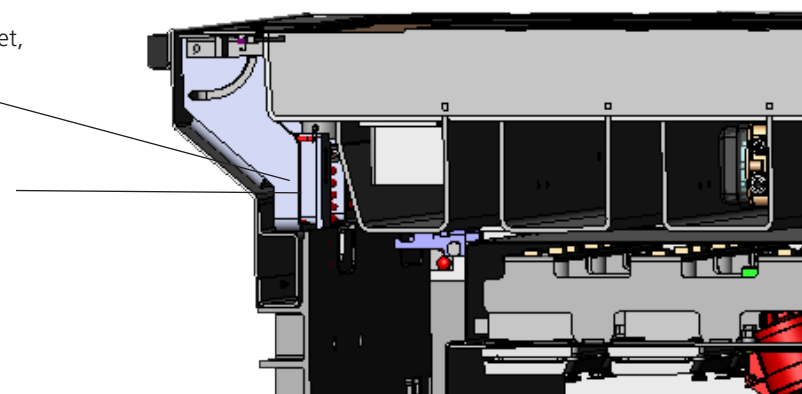
Locking mechanism with hexagon socket
spanner for easy operation



Cable outlet and locking spring

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

Patented locking mechanism

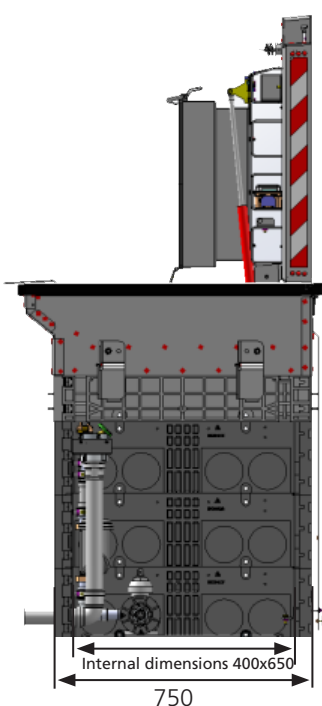


Underground distribution system EK 600 with swivelling manhole cover

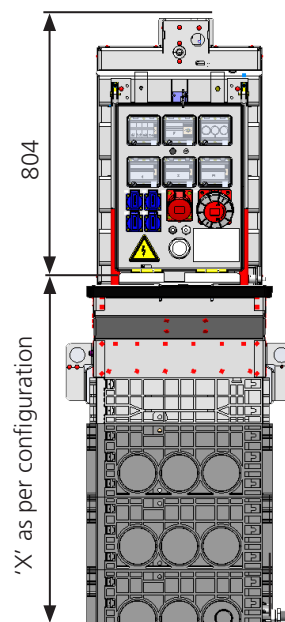
Marketplace designs that fit into urban landscapes, and the supply of marketplaces, individual stalls and events with electricity, fresh water and much more.

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

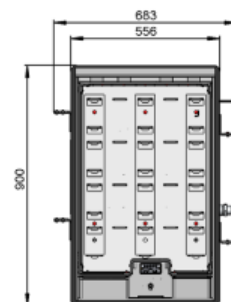
	EK 600
Clear dimensions:	400 x 650 mm
Overall external dimensions:	683 x 900 mm
Outer height without NH-00 back-up fuse:	approx. 640 or 860 mm
Outer height with NH-00 back-up fuse:	approx. 1080 mm
Paveable stainless steel manhole cover and manhole frame:	up to D 400 acc. to DIN EN 124
Paving height:	65 mm
Maximum fuse protection:	100 A
Connected load of the optional electric heater:	180 W
Protection class of 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 600

= Please mark requested variant

1 1 Manhole body

	Description	Paveable cover Item No.	Chequered stud plate cover Item No.	Concrete-lined cover Item No.
	Visual depiction			
Height 1 = 640 mm	<ul style="list-style-type: none"> • Elec. installation kit up to max. 32 A socket only for variants 1; 2; 10 • No water and/or waste water possible • No main fuse and/or clamping unit possible 	06 600 0501 1 x size 220 frame <input type="checkbox"/>	06 600 0501/001 1 x size 220 frame <input type="checkbox"/>	06 600 0501/002 1 x size 220 frame <input type="checkbox"/>
Height 2 = 680 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 	06 600 0502 2 x size 220 frame <input type="checkbox"/>	06 600 0502/001 2 x size 220 frame <input type="checkbox"/>	06 600 0502/002 2 x size 220 frame <input type="checkbox"/>
Height 3 = 1080 mm	No restrictions	06 600 0503 3 x size 220 frame <input type="checkbox"/>	06 600 0503/001 3 x size 220 frame <input type="checkbox"/>	06 600 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"/>


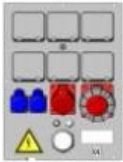
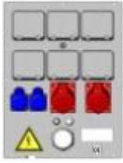

3 Step protection

Optional when equipped with submersion hood.

Variants	Item No.	Selection
Integrated, hinged	06 600 0058	<input type="checkbox"/>
Not integrated, insertable	70 071 6620	<input type="checkbox"/>

4 Electrical installation kit

Vari- ant	Visual depiction	Configuration	Cable cross- section	Back-up fuse rated current	Item No.	Selection
1.1		4 x Schuko 1 x 16 A 5-pole 1 x 63 A 5-pole	25 mm ²	max. 100 A	06 600 0301	<input type="checkbox"/>
1.2		4 x Schuko 1 x 32 A 5-pole 1 x 63 A 5-pole	25 mm ²	max. 100 A	06 600 0302	<input type="checkbox"/>
2.1		4 x Schuko 2 x 16 A 5-pole 0 x 32 A 5-pole	16 mm ²	max. 80 A	06 600 0303	<input type="checkbox"/>
2.2		4 x Schuko 1 x 16 A 5-pole 1 x 32 A 5-pole	16 mm ²	max. 80 A	06 600 0304	<input type="checkbox"/>
2.3		4 x Schuko 0 x 16 A 5-pole 2 x 32 A 5-pole	16 mm ²	max. 80 A	06 600 0305	<input type="checkbox"/>
3.1		8 x Schuko 1 x 16 A 5-pole	16 mm ²	max. 80 A	06 600 0306	<input type="checkbox"/>
3.2		8 x Schuko 1 x 32 A 5-pole	16 mm ²	max. 80 A	06 600 0307	<input type="checkbox"/>

Variant	Visual depiction	Configuration	Cable cross-section	Back-up fuse rated current	Item No.	Selection
4.1		3 x 16 A 5-pole 0 x 32 A 5-pole	16 mm ²	max. 80 A	06 600 0308	<input type="checkbox"/>
4.2		1 x 16 A 5-pole 2 x 32 A 5-pole	16 mm ²	max. 80 A	06 600 0309	<input type="checkbox"/>
4.3		2 x 16 A 5-pole 1 x 32 A 5-pole	16 mm ²	max. 80 A	06 600 0310	<input type="checkbox"/>
4.4		0 x 16 A 5-pole 3 x 32 A 5-pole	16 mm ²	max. 80 A	06 600 0311	<input type="checkbox"/>
5.1		2 x 16 A 5-pole 0 x 32 A 5-pole 1 x 63 A 5-pole	25 mm ²	max. 100 A	06 600 0312	<input type="checkbox"/>
5.2		1 x 16 A 5-pole 1 x 32 A 5-pole 1 x 63 A 5-pole	25 mm ²	max. 100 A	06 600 0313	<input type="checkbox"/>
5.3		0 x 16 A 5-pole 2 x 32 A 5-pole 1 x 63 A 5-pole	25 mm ²	max. 100 A	06 600 0314	<input type="checkbox"/>
6.1		2 x 16 A 3-pole 1 x 16 A 5-pole 1 x 63 A 5-pole	25 mm ²	max. 100 A	06 600 0315	<input type="checkbox"/>
6.2		2 x 16 A 3-pole 1 x 32 A 5-pole 1 x 63 A 5-pole	25 mm ²	max. 100 A	06 600 0316	<input type="checkbox"/>
7.1		2 x 16 A 3-pole 2 x 16 A 5-pole 0 x 32 A 5-pole	16 mm ²	max. 80 A	06 600 0317	<input type="checkbox"/>
7.2		2 x 16 A 3-pole 1 x 16 A 5-pole 1 x 32 A 5-pole	16 mm ²	max. 80 A	06 600 0318	<input type="checkbox"/>
7.3		2 x 16 A 3-pole 0 x 16 A 5-pole 2 x 32 A 5-pole	16 mm ²	max. 80 A	06 600 0319	<input type="checkbox"/>
8.1		4 x 16 A 3-pole 1 x 16 A 5-pole	16 mm ²	max. 80 A	06 600 0320	<input type="checkbox"/>
8.2		4 x 16 A 3-pole 1 x 32 A 5-pole	16 mm ²	max. 80 A	06 600 0321	<input type="checkbox"/>
9	Submersion hood with mounting panel	Prepared for individual configuration by customers			06 600 0366	<input type="checkbox"/>
10	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 and/or clamping unit.

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 (1080 mm)

Cable cross-section based on list with electrical installation kit not in connection with fresh water or waste water.

Visual depiction	Description	Item No.	Selection
	Main fuse NH-00 max. 100A / with 3.5 m connection cable 5 x 25mm 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, 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	06 600 0060	<input type="checkbox"/>
No	-	<input type="checkbox"/>

8 Waste water

Optional at height 3 (1080 mm)

Not in connection with the main fuse or clamping unit.


Waste water 2" Storz coupler	Item No.	Selection
Yes	06 600 0059	<input type="checkbox"/>
No	-	<input type="checkbox"/>

9 Fresh water



Optional at height 3 (1080 mm)

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

Not in connection with the main fuse or clamping unit.

Visual depiction	Description	Item No.	Selection
	2 x Fresh water connection	70 071 6508	<input type="checkbox"/>
	2 x Fresh water connection with main hydrant	70 071 6506	<input type="checkbox"/>
	2 x Fresh water connection with water meter	70 071 6507	<input type="checkbox"/>
	2 x Fresh water connection with main hydrant and water meter	70 071 6505	<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
Deutsch	70 070 0900 / 000	<input type="checkbox"/>
English	70 070 0900 / 001	<input type="checkbox"/>

Other languages available on request.