SupraBox COMFORT Type E
Without integrated control

Definition:
The electrical connection of all electrical actuators and sensors inside the SupraBox COMFORT were made of cage clamp terminals inside the switch cabinet.
The SupraBox COMFORT Type E is supplied with an assembled main switch. The main switch is only mounted but not wired.

New Article-Number:
For example SupraBox COMFORT 800 H:

SBC080HGLIB**E**

→ Type E: Without integrated control

Switch cabinet Supra Box COMFORT Type E:
The electrical connection inside the switch cabinet is completely made to the numbered cage clamp terminal blocks as wired-up with the ventilation unit components. The standard wiring diagram describes the electrical wiring.

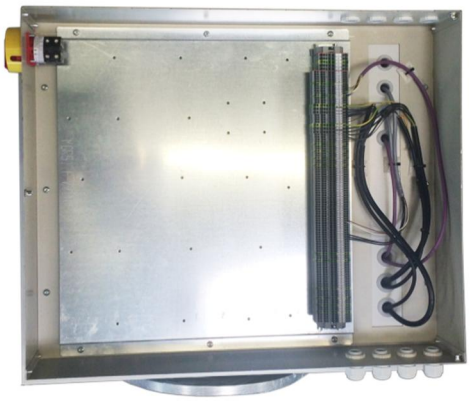

Image: Switch cabinet
SupraBox COMFORT Type E
Series H (horizontal)
[Series V (vertical) similar]

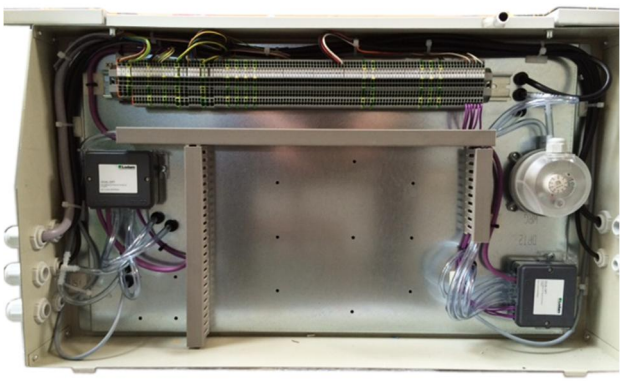

Image: Switch cabinet
SupraBox COMFORT Type E
Series D (false-ceiling version)
[Mounted field devices on the control sheet metal]

Information:
Permanently installed ventilation units need according to DIN EN 60204-1 a main switch for all-pole disconnection from the supply system and a fuse for automatic switching off in fault case.

The following points for electrical wiring on-site and installation of the SupraBox COMFORT Type E must be observed:

- A protective conductor system (PE) with automatic switching-off in fault case is required.
- The on-site control must have a Modbus-Function and a suitable power supply.
- The numbering of the cage clamp terminals remains for the internal pre-cabling (see standard wiring diagram SupraBox COMFORT).
- For the compliance with the IP protection class the cable ducts are available.

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Technical device data:

SupraBox COMFORT Size	Voltage / Frequency	Max. total power consumption	Wiring diagram fan
800H	230 V / 50 Hz	5,7 A	01.434
1100H	230 V / 50 Hz	5,0 A	
1500H	230 V / 50 Hz	4,0 A	
2000H	230 V / 50 Hz	11,8 A	
2700H	400 V / 50 Hz	5,0 A	01.390
3500H	400 V / 50 Hz	5,2 A	
5000H	400 V / 50 Hz	8,0 A	
800V	230 V / 50 Hz	5,4 A	01.434
1100V	230 V / 50 Hz	5,3 A	
1500V	230 V / 50 Hz	5,4 A	
2000V	230 V / 50 Hz	11,9 A	
1100D	230 V / 50 Hz	4,0 A	01.390
1900D	230 V / 50 Hz	8,8 A	

Electric Components and Field devices –Scope of delivery and technical data

Components and Field devices	Power supply	Information
2 pcs. Fans for supply and exhaust air (with EC-Motor)	230V or 400V / 50Hz (according to standard wiring diagram)	incl. cabling on cage clamp terminals
1 pcs. Main Switch (Red/Yellow)	230V or 400V / 50Hz (according to standard wiring diagram)	without cabling on cage clamp terminals
1 pcs. Pressure difference control (Antifreeze Protection)	no	incl. cabling on cage clamp terminals incl. measuring tubes
2 pcs. Dual differential pressure-Sensors (supply and exhaust air fan/filter)	12V DC – 32V DC (according to standard wiring diagram)	incl. cabling on cage clamp terminals incl. Modbus Data transmission
3 pcs. NTC 10K Temperature sensor (For supply, exhaust and outside air)	no	incl. cabling on dual pressure sensors
1 pcs. Actuator constant 2-10V (Bypass Heat recovery)	24V AC (according to standard wiring diagram)	incl. Cabling on cage clamp terminals

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Optional control Accessories – technical data

Optional control accessories	Power supply	Information
Shut-off valve motor-driven, incl. actuator opened/closed	24V AC (according to standard wiring diagram)	without Cabling on cage clamp terminals
PTC-Electro pre-heating incl. duct temperature sensor	230V / 50Hz (according to standard wiring diagram)	without Cabling on cage clamp terminals
Electro pre-heating radiator incl. electr. flow monitor	400V / 50Hz	without Cabling on cage clamp terminals
Electro-reheating coil incl. duct temperature sensor	230V or 400V / 50Hz (according to standard wiring diagram)	without Cabling on cage clamp terminals
PWW-Heating register incl. three-way valve incl. Drive motor constant 0-10V	24V AC / DC (according to standard wiring diagram)	Without cabling on cage clamp terminals incl. duct temperature sensor
PKW-cooling register incl. three-way valve incl. Drive motor constant 0-10V	24V AC / DC (according to standard wiring diagram)	Without cabling on cage clamp terminals incl. duct temperature sensor incl. droplet separator

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