



Brakel® SHE Compact control panel 4 A / 8 A



Compact control panel 4 A / M



Compact control panel 8 A

Efficient control panels for SHE and daily ventilation

24 VDC control panel for electromotive smoke extraction and daily ventilation.

Advantages / Features

- Depending on the version 4A or 8A current output
- Includes the “daily ventilation” function
- One SHE group and two ventilation groups
- PC service port interface for advanced configuration options
- Built-in maintenance timer
- Built-in 24 VDC power supply, emergency batteries and charging unit for 72 hours operational readiness if the power fails
- Line monitoring of alarm circuits (automatic detectors and SHE manual call points) and the connected drives
- Up to 8 control units can be cascaded
- Adjustable Special functions
- TÜV type tested
- Tested according to EN 12101-10

Applications

- Buildings which require smoke and heat extraction and/or natural ventilation.

Material

- Housing optionally made of plastic or metal.
- Colour grey.

Technical specifications

Electrical Properties	
Primary power supply	
Mains supply voltage	230 VAC / 50 Hz ($\pm 10\%$), separately fused
System voltage	27 VDC (nominal) (- 25% / + 10%)
Power consumption	around 150 W at 4 A output current around 300 W at 8 A output current
Power consumption (standby)	< 5 W
Connection terminal	Screw clamp max. 2.5 mm ²
Safeguard	Mains: 230 VAC; T 3,15 A/H Motor circuit FKS 10A
Secondary power supply	
Battery	Type 4 A: 2,2 Ah / Type 8 A: 7,2 Ah
Current output after 72 hours in the emergency mode	Type 4 A: 4 A for 180 sec. Type 8 A: 8 A for 180 sec. (in accordance with DIN EN 12101-10)
Output	
Voltage	27 VDC (nominal) (- 25 % / + 10%) smoothed
Power	Type 4 A : Pmax = 108 W, Pmin = 0 W Type 8 A : Pmax = 216 W, Pmin = 0 W
Current (nominal)	Drives : Type 4 A: 4 A at duty cycle 30; Type 8 A: 8 A at duty cycle 30; Output separately fused Holding magnets : Type 4 A: 1 A at ED 100; Type 8 A: 2 A at ED 100
Opening / closing operation	Polarity reversal of the voltage
Auto. Activation	OPEN / CLOSE direction: after 3 minutes (in ventilation mode)
Line monitoring	Via diodes
Motor terminal	Max. 6 mm ² , screw terminal
Safeguard	FKS 10 A
Mechanical properties	
Dimensions (H x W x D)	Compact control panel 4 A : 300 x 300 x 132 mm Compact control panel 4 A / M : 300 x 300 x 111 mm Compact control panel 8 A : 300 x 300 x 187 mm Compact control panel 8 A / M : 400 x 300 x 180 mm
Weight	Type 4 A and 4 A / M : around 6 kg with battery around 4 kg without battery Type 8 A : around 6.5 kg with battery around 4.5 kg without battery Type 8 A / M : around 14.9 kg with battery around 12.9 kg without battery
Installation and ambient conditions	
Nominal Temperature	20 °C
Ambient temperature	- 5 °C tot + 40 °C
Degree of protection	Plastic housing 4 A en 8 A : IP 44 in accordance with DIN EN 60529 Metal housing 4 A / M : IP 20 in accordance with DIN EN 60529 IP 30 when mounted Metal housing 8 A / M : IP 42 in accordance with DIN EN 60529

