SIMON RWA®
Begeisterung trifft Technik

M-SHEV® Modular control panel

M-SHEV® is the new digital control panel for smoke ventilation. Logic linking now takes place digitally instead of analogue as before. The heart of the control panel is a microcontroller that connects all the modules together via a digital BUS.

Practical hint video: **Adding new message interface MI-100 (YouTube)**

Technical Data:

Modular control panel M-SHEV Item number:	
Input voltage:	230 V AC / 50 Hz
Pre-fusing:	16 A / characteristics C
Protection class:	IP 54
Power failing bridging:	at least 72 h
LED signs on battery charging board:	1. Green LED "Battery" = OK Battery available and charged 2. Grüne LED "Mains" = Mains mode
Further LED signs:	On the particular modules
Cable monitoring:	Closed current: Emergency switches, smoke detectors, connection fire alarm system Cable break: Cables of actuators Cable break and short curcuit: Cables of detectors
Operation temperature range:	- 5° up to + 40° C
Housing (W x H x D):	Different housing sizes
Max nominal current:	10, 24, 48 or 72 A (more on request)
Output voltage:	24 V DC (Ripple < 500 mV, < 5 %)
Power Supply:	Switching power supply VDE 0805/DIN EN 60950
Storage battery:	Lead battery 24 V, 7 / 12 / 17 / 24 Ah

Article

Typ	Item number
M-SHEV-10-AP	ST4 3340
Eigenschaften:	

PRODUCTINFORMATION

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Modular panel types
Flexible modular setup, based on power supply steps

Typ	Item number
M-SHEV-10	ST4 3445
Basis unit **Attributes:** Dimensions: 400 x 600 x 200 mm *Prices only valid for basis unit- information and calculation examples are to be seen in the M-SHEV-Price list	
M-SHEV 24	ST4 3447
Basis unit **Attributes:** Dimensions: 500 x 500 x 200 mm *Prices only valid for basis unit- information and calculation examples are to be seen in the M-SHEV-Price list	
M-SHEV 48	ST4 3349
Basis unit **Attributes:** Dimensions: 600 x 600 x 250 mm *Prices only valid for basis unit- information and calculation examples are to be seen in the M-SHEV-Price list	
M-SHEV 72	ST4 3451
Basis unit **Attributes:** Dimensions: 800 x 800 x 250 mm *Prices only valid for basis unit- information and calculation examples are to be seen in the M-SHEV-Price list	

Modules with variable casing sizes
Flexible modular setup, based on power supply steps with variable casing sizes

Typ	Item number
M-SHEV-10-S	ST4 3446
Attributes: Prices depending on dimensions on request	
M-SHEV-24-S	ST4 3448
Attributes: Prices depending on dimensions on request	
M-SHEV-48-S	ST4 3450
Attributes: Prices depending on dimensions on request	
M-SHEV-72-S	ST4 3452
Attributes: Prices depending on dimensions on request	

Basic modules
Basis modules for M-SHEV® modular control panel

Typ	Item number
Central Interface ZI-100	ST4 3380

Sensor Interface SI-100	ST4 3381
Motor Relay MR-120	ST4 3383
Message Interface MI-100	ST4 3382

Charge Accessoires for Modular Control Units

Charging Cards and Lead Storage Batteries for Modular Control Units

Accessories	Item number
Pb-AKKU-7,2Ah for ESM 6, 10, 12 A Lead storage batteries, loose for emergency power supply, 24 V DC, VdS approved.	ST4 10120
Pb-AKKU-12Ah for ESM 24 A Lead storage batteries, loose for emergency power supply, 24 V DC, VdS approved.	ST4 10121
Pb-AKKU-17Ah for ESM 48 A Lead storage batteries, loose for emergency power supply, 24 V DC, VdS approved.	ST4 10122
Pb-AKKU-24Ah for ESM 72 A Lead storage batteries, loose for emergency power supply, 24 V DC, VdS approved.	ST4 10123
Pb-AKKU-38Ah for special applications Lead storage batteries, loose for emergency power supply, 24 V DC, VdS approved.	ST4 10124
Battery charging electronics type LB-120-SNT-124 For storage batteries type Pb-AKKU-7,2Ah (in 10 A control panels with switching power supply)	ST4 3367
Battery charging electronics type LB-120 For storage batteries type Pb-AKKU-12Ah (in 24 A control panels with switching power supply)	ST4 3361
Battery charging electronics type LB-140 For storage batteries type Pb-AKKU-17Ah (in 48 A control panels with switching power supply)	ST4 3362
Battery charging electronics type LB-160 For storage batteries type Pb-AKKU-24Ah (in 72 A control panels with switching power supply)	ST4 3363

Housing Accessoires for Modular Control Units

Accessories	Item number
Flange plate with pre stamping - 345-130 - Plastic for (W x H x D) 400 x 400 x 200 mm / 400 x 600 x 200 mm / 800 x 800 x 250 mm (2x required)	N-49-075
Flange plate with pre stamping - 345-130 - Gummed for (W x H x D) 400 x 400 x 200 mm / 400 x 600 x 200 mm / 800 x 800 x 250 mm (2x required)	N-49-104
Flange plate with pre stamping - 545-130 - Plastic	N-49-076

for (W x H x D) 600 x 600 x 200 mm / 600 x 800 x 250 mm each with 2 pieces	
Flange plate with pre stamping - 545-130 - Gummed for (W x H x D) 600 x 600 x 200 mm / 600 x 800 x 250 mm each with 2 pieces	N-49-105