Product data sheet
MBZ 300 N48G *

SHEV control panel for smoke and heat extraction system drives with a total power consumption of 48 A

AREAS OF APPLICATION

→ Connecting possibilities for medium to large smoke and heat extraction solutions, including with complex demands

→ For smoke and heat extraction system drives with a total power consumption of 48 A

→ Control of electromotive 24 V drives for smoke and heat extraction in the event of a fire

→ Control of a controlled natural ventilation

MBZ 300 N48G *

GEZE

PRODUCT FEATURES

→ Modular design in large housing to allow flexible adaptation to project-specific requirements

→ Convenient extension by clicking on other modules in a control unit

→ Can be extended by alarm groups, ventilation groups and alarm lines as required

→ Depiction of complex smoke and heat extraction scenarios

→ Simple service and installation thanks to status display directly on the module

→ Configuration software simplifies commissioning and configuration

→ Wind direction dependent activation possible (SHEV according to EN 12101-2)

→ Safety and reliability confirmed by VdS certification

TECHNICAL DATA

Productname	MBZ 300 N48G *
Dimensions	600 x 800 x 250 mm
Width	600 mm
Height	800 mm
Depth	250 mm
Material	Sheeting
Colour	grey RAL 7035
IP rating	IP30
Service temperature	–5 – 40 °C
Operating voltage	230 V AC
Power consumption (max.)	960 W
Connection cross-section / mains	2.5 mm²
Output voltage	24 V DC +/–15%
Residual ripple	2 %
Output current (max.)	48 A
Duty rating with maximum output current	30 %
Battery capacity	38 Ah
Alarm groups	1
Vent groups	6 Stk.
Networking of several control units	connection with optional CAN Bus modules
Signal outputs available	1 status contact per CM/SM, 6 signal contacts per ERM for which parameters can be set
Parameter setting of control units	via USB interface an PC software
Standard conformity	EN 12101-10, ISO 21927-9
Approvals	VdS

MBZ 300 N48G *

VARIANTS / ORDER INFO

Designation	Description	Ident–No.	Colour	Dimensions	Operating voltage
MBZ 300 N48G *	Output power 48 A. Including rechargeable battery. Exterior dimensions: 600 x 800 x 250 mm	137462	grey	600 x 800 x 250 mm	230 V AC

ACCESSORIES

FT 4 K *

SHEV button with plastic housing for the connection to GEZE control panels

Designation	Description	Ident–No.	Colour	Dimensions	Operating voltage
FT 4 K SHEV button *	in plastic housing, incl. label "SMOKE VENT"	136232	orange similar to RAL 2011	130 x 130 x 32 mm	24 V

GC 401 RS + 402 WVS SET *

Rain and wind sensor set for use with the MBZ 301 control panel

GC 401 RS *

Rain sensor for use with the MBZ 301 control panel

GC 402 WVS *

Wind speed sensor for use with the MBZ 301 control panel

GC 403 WDS *

Wind direction sensor for use with the MBZ 301 control panel

LTA-24-AZ

Vent switch with control keys OPEN / CLOSE and LED function display

Designation	Description	Ident-No.	Colour	Operating voltage	Type of installation
LTA-24-AZ vent switch	with control keys "open-close" and LED function display	129393	alpine white	24 V DC	Flush-mounted installation

LTA-LSA *

Vent switch with rotary knob for OPEN / CLOSE

Designation	Description	Ident-No.	Colour	Type of installation
LTA-LSA vent switch *	with rotary knob, can be used as "open-close" vent switch or stay-put as vent switch "open-stop-close"	118476	alpine white	Flush-mounted installation

E 71 *

Room thermostat for ventilation control

Designation	Description	Ident-No.	Colour	Dimensions
E 70 room thermostat *	for dry, closed rooms with setting of two switching points	079087	white	75 x 75 x 30 mm

RAIN AND WIND CONTROL *

Weather station and control unit for rain and wind monitoring

Designation	Description	Ident–No.	Colour	Dimensions	Operating voltage
Rain and wind control *	Consisting of weather station and control unit / Output: potential-free contacts for rain/wind / For use with THZ, THZ Comfort, E 260 and MBZ 300	091529	white	96 x 77 x 118 mm	24 V DC

RM 1003 *

Smoke detector for GEZE control panels

Designation	Description	Ident–No.	Colour	Operating voltage
RM 1003 smoke detector *	Ceiling-mounted detector for GEZE SHEV control panels. VdS approved and EN 54 tested, incl. base.	112877	white RAL 9016	24 V DC

WM 1006 *

Heat detector for GEZE SHEV control panels

Designation	Description	Ident–No.	Colour	Operating voltage
WM 1005 heat detector *	Ceiling-mounted detector for GEZE SHEV control panels. VdS approved and EN 54 tested, incl. base.	112878	white RAL 9016	24 V DC

SCT KEY SWITCH

Key switch for authorised activation and for changing the mode of operation of automatic doors

Designation	Description	Ident-No.	Colour	Dimensions	Type of installation
SCT key switch	2-pin with Euro profile half cylinder, two-sided switching operation, without AS 500 frame	118478	alpine white		
SCT key switch	1 pin without Euro profile half cylinder, single-sided switching operation	117996	alpine white	80 x 80 x 11 mm	Flush-mounted installation

WRM-24 *

Receiving module for activating automatic doors and window drives with 24 V DC

Designation	Description	Ident-No.	Colour	Dimensions	Output
WRM-24 receiving module *	52 x 47 x 23 mm (W x H x D), for installation in a standard flush-mounted socket / 24 V DC operating voltage, pulsed operation or pulsed and continuous operation	131213	black	52 x 52 x 47 x 23 mm	2 potential-free relay contacts

WRM-24B *

Receiving module for activating automatic doors and window drives with 24 V DC

Designation	Description	Ident-No.	Colour	Dimensions	Output
WRM-24B receiving module *	130 x 80 x 35 mm (W x H x D), for surface mounting with protection class IP54 / 24 V DC operating voltage, pulsed operation or pulsed and continuous operation	131214	white	130 x 130 x 80 x 35 mm	2 potential-free relay contacts

WTH *

Remote control for activating GEZE automatic doors and window drives
via the GEZE wireless programme

Designation	Description	Ident–No.	Dimensions	Operating voltage	Type of installation
WTH–2 remote control, 2 channel *	with wall fixing and IP rating IP54	131210	78 x 51 x 15 mm	12 V DC	Wall
WTH–4 remote control, 4 channel *	with wall fixing and IP rating IP54	131211	78 x 51 x 15 mm	12 V DC	Wall
WTH–1 remote control, 1 channel *	with wall fixing and IP rating IP54	131209	78 x 51 x 15 mm	12 V DC	Wall

WTM *

Transmitting module for activating GEZE automatic doors and window
drives via the GEZE wireless programme

Designation	Description	Ident–No.	Dimensions	Operating voltage	Type of installation
WTM transmitting module *	44 x 30 x 11 mm (W x H x D), for optional integration in push button	131212	44 x 30 x 11 mm	3 V DC	Integrated

FT 4 A *

SHEV button for the connection to GEZE control panels

Designation	Description	Ident–No.	Colour	Dimensions	Operating voltage
FT 4 A SHEV button *	in aluminium housing, incl. label "SMOKE VENT"	161285	grey RAL 7035	126 x 126 x 32 mm	24 V DC
FT 4 A SHEV button *	in aluminium housing, incl. label "SMOKE VENT"	161286	yellow RAL 1021	126 x 126 x 32 mm	24 V DC
FT 4 A SHEV button *	in aluminium housing, incl. label "SMOKE VENT"	161283	red similar to RAL 3000	126 x 126 x 32 mm	24 V DC
FT 4 A SHEV button *	in aluminium housing, incl. label "SMOKE VENT"	161284	blue RAL 5015	126 x 126 x 32 mm	24 V DC

FT 4 A – VDS *

SHEV button with VdS approval for the connection to GEZE control panels

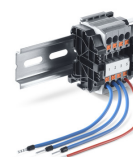| Designation	Description	Ident–No.	Colour	Dimensions	Operating voltage
FT 4 A – VdS SHEV button	in aluminium housing, incl. label "SMOKE VENT"	161282	orange RAL 2011	126 x 126 x 32 mm	24 V DC

GC 240 RS *

Rain sensor for use with the MBZ 300 and THZ/THZ Comfort control panels

Designation	Description	Ident–No.	Colour	Dimensions	Operating voltage
GC 240 RS rain sensor *	Rain sensor for connection to THZ/MBZ 300 SHEV control panels. Incl. bracket for wall or mast mounting	189313	white RAL 9010	70 x 62 x 37 mm	24 V DC

RAIL MOUNT TERMINAL BLOCK SET 4 MM² *

For the connection of drive supply lines with cross-section up to 4 mm²

Designation	Description	Ident–No.
Rail mount terminal block set 4 mm² *	For the connection of drive supply lines with cross-section up to 4 mm² Set with 4 pcs. rail-mount terminal blocks, end plate, end clamps and connecting cables	187323

MBZ 300 CONTROL CABINET LOCK *

For secure locking of the MBZ 300 ccontrol cabinets

Designation	Description	Ident-No.	Colour
MBZ 300 control cabinet lock *	for DIN Euro profile half cylinders	187355	silver-coloured

GC 162 RWA *

Smoke detector for GEZE control panels

Designation	Description	Ident-No.	Colour	Dimensions	Operating voltage
GC 162 RWA smoke detector *	Ceiling-mounted detector for GEZE SHEV control panels. Operating lifetime up to 8 years thanks to automatic dust and dirt compensation. Tested according to EN 54, incl. base	184110	white RAL 9010	110 x 110 x 54 mm	24 V

GC 163 RWA *

Heat detector for GEZE SHEV control panels

Designation	Description	Ident-No.	Colour	Dimensions	Operating voltage
GC 163 RWA heat detector *	Ceiling-mounted detector for GEZE SHEV control panels. EN 54 tested, incl. base	184139	white RAL 9010	110 x 110 x 54 mm	24 V DC

FT 4 A ACOUSTIC *

SHEV button with acoustic signal for connection to GEZE SHEV control panels

Designation	Description	Ident–No.	Colour	Dimensions	Operating voltage
SHEV button FT 4 A Acoustic, *	in aluminium housing with acoustic signal for alarm/fault, incl. label "SMOKE VENT"	198926	grey RAL 7035	126 x 126 x 32 mm	24 V DC
SHEV button FT 4 A Acoustic, *	in aluminium housing with acoustic signal for alarm/fault, incl. label "SMOKE VENT"	198925	orange RAL 2011	126 x 126 x 32 mm	24 V DC

FT 4 A SECONDARY UNIT *

SHEV button for the connection to GEZE control panels

Designation	Description	Ident–No.	Colour	Dimensions	Operating voltage
SHEV button FT 4 A secondary unit, *	in aluminium die–cast housing, as secondary unit only with alarm LED, incl. "SMOKE VENT" sign	198914	orange RAL 2011	126 x 126 x 32 mm	24 V DC

* The products designated above may vary in form, type, characteristics, function, or availability depending on the country. Please get in touch with your GEZE contact person if you have any questions.