Product data sheet

MBZ 300 N48K *

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

GEZE GmbH | Reinhold-Vöster-Straße 21–29 | D-71229 Leonberg | **TEL** +49 7152 203-0 | **WEB** www.geze.de | **Mail** info.de@geze.com
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MBZ 300 N48K *

PRODUCT FEATURES

- Modular design in compact 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 N48K *
Dimensions	600 x 600 x 250 mm
Width	600 mm
Height	600 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 N48K *

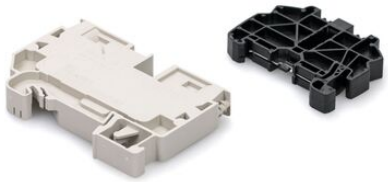
VARIANTS / ORDER INFO

Designation	Description	Ident-No.	Colour	Dimensions	Operating voltage
MBZ 300 N48K *	Output current 48 A. Incl. rechargeable battery. Exterior dimensions: 600 x 600 x 250 mm	137461	grey	600 x 600 x 250 mm	230 V AC

ACCESSORIES

RAIL MOUNT TERMINAL BLOCK SET 10MM² *

For the connection of drive supply lines with cross-section up to 10 mm²



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

RM 1003 *

Smoke detector for GEZE control panels

Designation	Description	Ident-No.	Colour	Dimensions	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	42 mm	24 V DC

MBZ 300 N48K *

WM 1005 *

Heat detector for GEZE SHEV control panels

Designation	Description	Ident-No.	Colour	Dimensions	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	40 mm	24 V DC

MBZ 300 CONTROL CABINET LOCK *

For secure locking of the MBZ 300 ccontrol cabinets

Designation	Description	Ident-No.	Colour	EAN
MBZ 300 control cabinet lock *	for DIN Euro profile half cylinders	187355	silver-coloured	4042938873550

LTA-24-AZ

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

Designation	Description	Ident-No.	Colour	Dimensions	Operating voltage
LTA-24-AZ vent switch	with control keys “open-close” and LED function display	129393	alpine white	80 x 80 mm	24 V DC

MBZ 300 N48K *

LTA-LSA *

Vent switch with rotary knob for OPEN / CLOSE

Designation	Description	Ident-No.	Colour	Dimensions	Operating voltage
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	80 x 80 mm	230 V AC

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

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	3 V DC	Wall
WTH-4 remote control 4 channel	with wall fixing and IP rating IP54	131211	78 x 51 x 15 mm	3 V DC	Wall
WTH-1 remote control 1 channel	with wall fixing and IP rating IP54	131209	78 x 51 x 15 mm	3 V DC	Wall

MBZ 300 N48K *

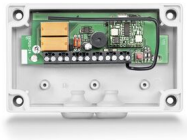
WRM-24

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

GC 401 RS *

Rain sensor for use with the MBZ 300 control panel

Designation	Description	Ident-No.	Colour	Operating voltage	EAN
GC 401 RS rain sensor	Use with the MBZ 300 weather module	140226	black	24 V DC	4042938402262

MBZ 300 N48K *

GC 402 WVS *

Wind speed sensor for use with the MBZ 300 control panel

Designation	Description	Ident-No.	Colour	EAN
GC 402 WVS wind speed sensor *	Use with the MBZ 300 weather module	140227	black	4042938402279

GC 403 WDS *

Wind direction sensor for use with the MBZ 300 control panel

Designation	Description	Ident-No.	Dimensions	Operating voltage	Number of cores
GC 403 WDS wind direction sensor	Use with the MBZ 300 weather module	140228	460 mm	24 V DC	6 cores

GC 401 RS + 402 WVS SET *

Rain and wind sensor set for use with the MBZ 300 control panel

Designation	Description	Ident-No.	Colour	Operating voltage	EAN
Rain and wind sensor set GC 401 RS + 402 WVS	Use with the MBZ 300 weather module	140229	black	24 V DC	4042938402293

MBZ 300 N48K *

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 a 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

E 70

Room thermostat for ventilation control

Designation	Description	Ident-No.	Colour	Dimensions	EAN
E 70 room thermostat	for dry closed rooms with setting of two switching points	079087	white	75 x 75 x 30 mm	4106030790877

SCT KEY SWITCH

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

Designation	Description	Ident-No.	Colour	Dimensions	Operating voltage
SCT key switch *	2-pin with Euro profile half cylinder, two-sided switching operation, without AS 500 frame	118478	alpine white		24 V DC
SCT key switch	1 pin without Euro profile half cylinder, single-sided switching operation	117996	alpine white	80 x 80 x 11 mm	24 V DC

MBZ 300 N48K *

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.	Material	EAN
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	Plastic	4042938873239

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

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

MBZ 300 N48K *

FT 4 A – VDS *

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

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

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 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 diecast aluminium housing with acoustic signal for alarm/faults, including "SMOKE VENT" sign	198926	grey RAL 7035	126 x 126 x 32 mm	24 V DC
SHEV button FT 4 A Acoustic, *	In diecast aluminium housing with acoustic signal for alarm/faults, including "SMOKE VENT" sign	198925	orange RAL 2011	126 x 126 x 32 mm	24 V DC

MBZ 300 N48K *

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 diecast aluminium 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

EURO PROFILE HALF CYLINDER 40 MM

with Euro profile half cylinder and 3 keys

Designation	Description	Ident-No.	Colour	Type of installation	Material
Euro profile half cylinder 40 mm	Division (10/30) with three keys, keyed to differ, for key switch SCT and MBZ Control cabinet lock	090176	silver-coloured	Integrated	Stainless steel

RAIN AND WIND STATION RWS 60-1 SET *

Weather station and control unit for rain and wind monitoring

Designation	Ident-No.	Material	EAN
Rain and wind station RWS 60-1 set *	165813	Plastic with aluminium bracket	4042938658133

* 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.