



Emergency exit systems

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APPLICATION	TZ 320 Standard	TZ 320 Comfort with IO 420
LOCAL OPERATION / DISPLAY		
Short-time release (20 s)		
Short-time release (1 s – infinite)	●	●
Cancellation of short-time release with door closed	●	●
Retriggering short-time release	●	●
Pre-alarm (60 s)		
Pre-alarm (1 s – 10 min.)	●	●
Alarm	●	●
Permanent unlocking	●	●
CONNECTION POSSIBILITIES		
FTV 320 escape door lock	3 x	3 x
Emergency exit electric strike type 331 / 332	3 x	3 x
MA 500 holding magnet	2 x	2 x
Danger alarm system emergency unlocking	●	●
Indirect activation	●	●
Central emergency push button via safety circuit	●	●
External key switch	●	●
SCT 222 external key switch with 2 LEDs	●***	●
External emergency push button	●	●
T 320 terminal (bi-directional escape route)	●	●
Access control (short-time unlocking)	●	●
Top lock (short-time unlocking)	●	●
Timer (unlocking) external	●	●
Timer (unlocking) internal	●	●
Burglar alarm system (locking has priority)	●	●
Programmable inputs	3	7
Programmable outputs	2	6
Flashlight / siren / alarm message	●*	●
Motor lock	●*	●
Lever lock	●*	●
Swing door drive	●**	●
Signal light controller	●**	●
Additional electric strike	●*	●
Output of different system states	●*	●
TE 220 control panel	●	●
Connection to building management system via GEZE Cockpit		●
Visualisation via GEZE Cockpit	●	●
STANDARD		
Conform to EN 13637	●	●
OTHER		
Infrared interface for diagnosis, setting of parameters via ST 220 service terminal	●	●
Alarm memory	●	●
Integrated interlocking door system control	●	●
Network function for fire alarm system, timer, burglar alarm system	●	●

● = yes | * Function can be realised via two outputs for which parameters can be freely configured. There are two outputs available on the TZ 320. If more outputs are required, the TZ 320 Comfort with IO 420 must be used. | ** Two outputs are required for this function. | *** RP 220 relay board ID no. 102355 required.





ACCESS CONTROL AND SAFETY

Door control units

Rescue routes must be individually adapted for each building – otherwise they are not safe. The door control unit plays an extremely important role in this respect: In normal circumstances, it lets authorised people pass through the door, and in an emergency, it opens for everyone. Use the wide selection of GEZE door control units with fire and danger alarm systems, escape door locks, motor locks and much more to bring your customised safety concept to life.



TZ 300 SN AP



Door control unit for controlling individual escape route doors with key switch and power supply

AREAS OF APPLICATION

- EltVTR-compliant protection of an emergency exit against unauthorised access
- Can be used on single and double leaf doors
- Integrated interface enables the emergency exit to be unlocked via a danger alarm system
- Surface-mounted installation allows subsequent installation on the door with little effort

PRODUCT FEATURES

- Flat impact cover enables fast and safe activation of the illuminated emergency push button in panic situations
- Coloured terminals simplify installation
- Consistent design allows easy replacement with a connectable TZ 320
- Integrated signal transmitters can easily be extended by additional external signal transmitters
- Integrated power supply offers additional flexibility
- Integrated key switch enables authorised passing through emergency exit

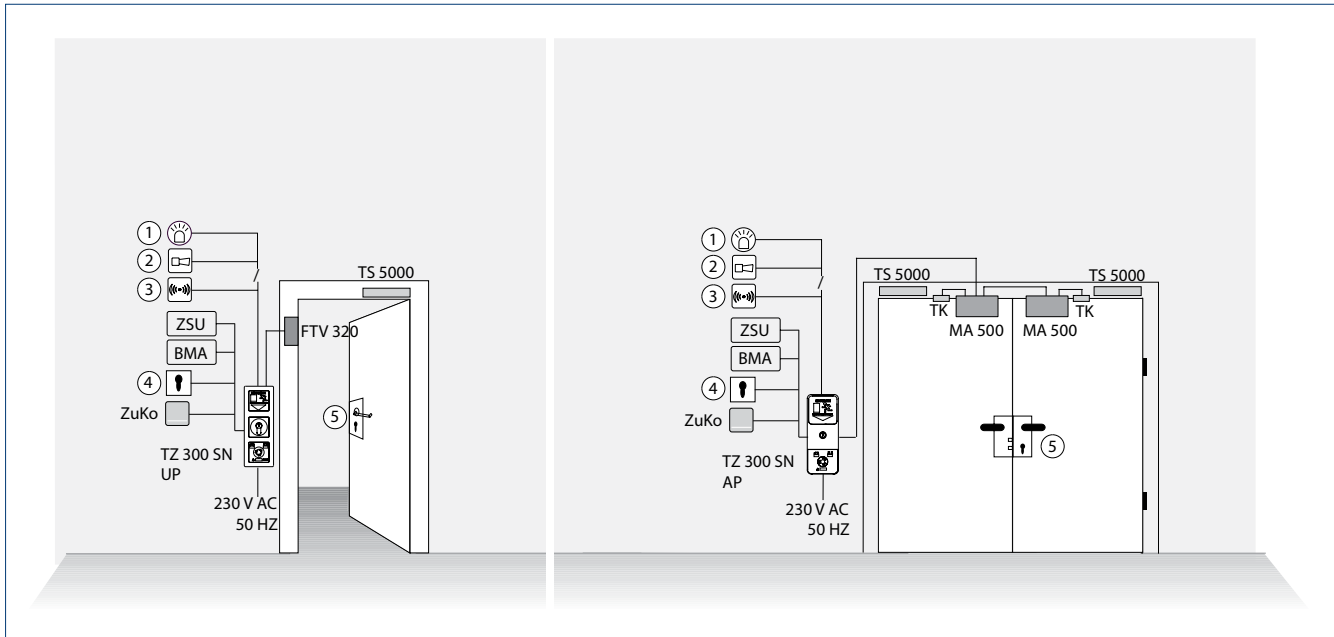
DOOR CONTROL UNITS STAND-ALONE – TZ 300 SERIES

Our basic model does not require networking. It was designed for simple applications or small buildings. With this door control unit, you can reliably control and monitor individual electrically locked emergency exit doors. Thus your escape route is secured against unauthorised access at all times. The flat impact cover can be quickly and reliably operated by anyone, even in panic situations.

TECHNICAL DATA

	TZ 300 SN AP	TZ 300 SN UP	TZ 300 S AP
Acoustic signal	75 dB	75 dB	75 dB
Number of outputs	1	1	1
Number of inputs	1	1	1
Illuminated	no	no	no
Operating voltage	24 V DC	24 V DC	24 V DC
Width	77 mm	81 mm	77 mm
Height	197 mm	223 mm	197 mm
Depth	88 mm	in flush-mounted boxes 62 mm deep 88 mm	
Contact rating	30 V / 1 A	30 V / 1 A	30 V / 1 A
With ribbon cable	yes	yes	yes
Type of installation	Surface mounting	Flush mounting	Surface mounting
Emergency push button	yes	yes	yes
Visual display	yes	yes	yes
Sabotage contact	yes	yes	yes
IP rating	IP30	IP30	IP30
Current consumption	100 mA	100 mA	100 mA
Power supply for external devices (24 V DC)	650 mA	600 mA	–
Temperature range	–10 °C...+55 °C	–10 °C...+55 °C	–10 °C...+55 °C
Supply voltage	230 V	230 V	24 V DC
Delayed emergency push button	no	no	no
Cylinder type	Euro profile cylinder	Euro profile cylinder	Euro profile cylinder
Conform to EltVTR (guidelines for electronic locking systems)	yes	yes	yes
Conform to EN 13637	no	no	no

DOOR CONTROL UNIT TZ 300 SN – SYSTEM STRUCTURE



1 = flashlight | 2 = signal horn | 3 = alarm message | 4 = key switch | 5 = panic lock | BMA = fire alarm system | FTV 320 = escape door lock | MA 500 = holding magnet | TK = door contact | TS 5000 = door closer | ZSU = timer | ZuKo = access control

FUNCTIONAL DESCRIPTION

In the direction of escape, the door is held closed by an additional electrical locking element which is controlled by the door control unit as the central system unit. Authorised passing of the secured door can be by means of external actuation devices such as key switches, access control or an intercom. In the direction of escape, authorised passage is also possible by means of the integrated key switch of the door control unit. If the door is to be passed through from the outside, the panic lock must be mechanically unlocked as well.

Time monitoring of the door

If the door is not closed after the release time for authorised activation has expired, a pre-alarm is triggered to draw attention to the time limit being exceeded. If the pre-alarm time is also exceeded, a door alarm is triggered and has to be acknowledged by the key switch

Passing of the door in case of emergency

In case of emergency, the door can be released at any time via the integrated emergency push button. Visual and acoustic signal transmitters integrated in the door control unit signal unauthorised passing of the door.

Other functions

- Permanent unlocking
- Locking
- Acknowledging an alarm
- Emergency unlocking via the fire alarm system

Design variant

The variant with GEZE IQ lock C, a self-locking contact lock in place of the panic lock, offers increased ease of access from the outside by only one operating process. Mechanical unlocking of the lock and release of the emergency exit protection are carried out simultaneously. The lock is unlocked by the Euro profile cylinder via the integrated cylinder contact of the IQ lock C, and a short-time release is executed at the TZ 300 at the same time.

System components

- TZ 300 SN, AP/UP
- FTV 320 escape door lock
- Emergency exit electric strike with latch lock or holding magnet with installation set and door contact

Options

- Flashlight, signal horn
- SCT 220, SCT 221, SCT 222, SCT 320 external key switches

Note

An RP 220 relay board (ID 102355) is required to connect additional electric strikes or lever locks.

ORDER INFORMATION

Designation	Switch programme	Version	ID no.
TZ 300 SN AP d Consisting of: a control unit with emergency push button, key switch with Euro profile half cylinder. Emergency exit sign, non-illuminated, power supply 24 V DC		green	136573
Door control unit TZ 300 SN UP Consisting of: a control unit with emergency push button, key switch with Euro profile half cylinder. Emergency exit sign, non-illuminated, power supply 24 V DC	Gira E2	pure white matt	138324
Door control unit TZ 300 S AP with key switch			136574
TZ 300, control unit UP			136572
Door control unit configuration			199289

Products



TZ 300 SN AP door control unit (136573)
TZ 300 S AP door control unit (136574)



TZ 300 SN UP door control unit (138324)



TZ 300, control unit flush-mounted (136572)

TZ 320 BSN UP



Door control unit for controlling escape route doors with illuminated emergency exit sign, key switch and power supply

AREAS OF APPLICATION

- EN 13637-compliant protection of an emergency exit against unauthorised access
- Can be used on single and double leaf doors
- Connectivity via bus enables e.g. interlocking door system control, forwarding of alarms, connection to building management system
- Can be combined with motor locks and swing door drives
- Realisation of a bi-directional emergency exit
- Flush-mounted installation ensures seamless integration into the building

PRODUCT FEATURES

- Flat impact cover enables fast and safe activation of the illuminated emergency push button in panic situations
- Coloured terminals simplify installation
- Three freely configurable inputs and two freely configurable outputs offer numerous possibilities for additional components
- Number of inputs and outputs can be extended with the IO 420 interface module
- Illuminated emergency exit sign improves visibility
- Integrated power supply offers additional flexibility
- Integrated key switch enables authorised passing through the emergency exit

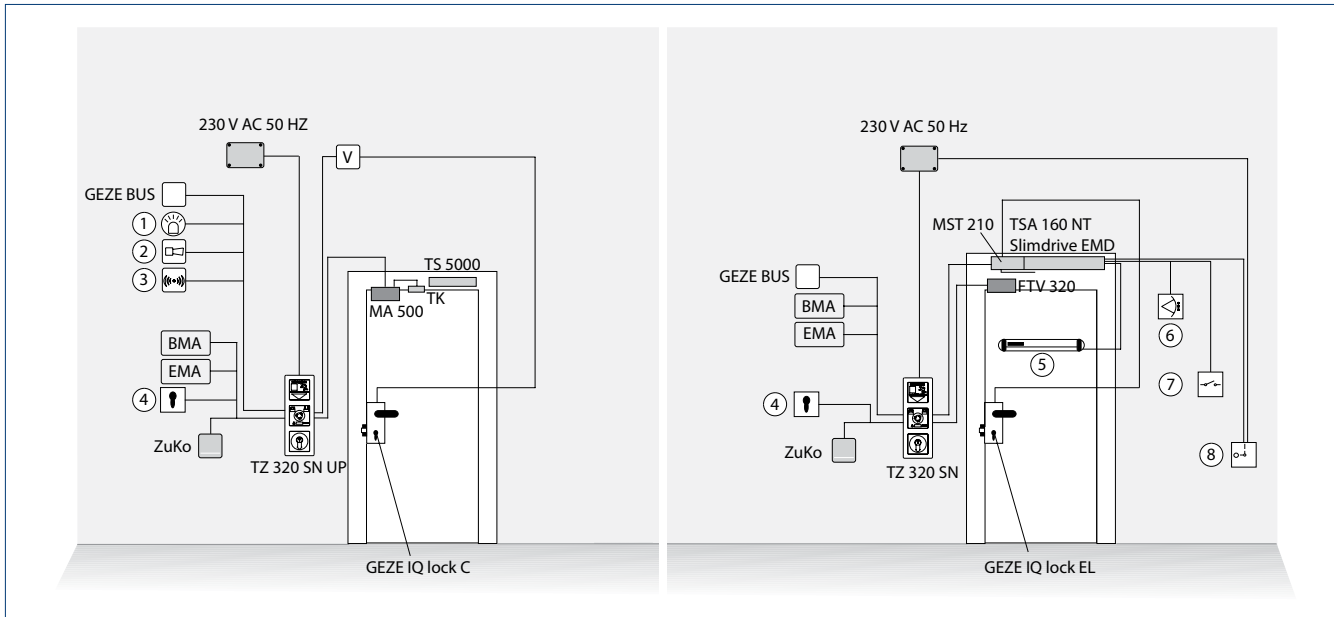
CONNECTIVITY POSSIBLE FOR DOOR CONTROL UNITS – TZ 320 SERIES

Networking – this is a top priority in this product series. You can realise complex applications here, because there are a large number of interfaces to other products and systems. These door control units can communicate with each other thanks to the integrated bus function. Messages can be visualised on a tableau or PC without additional components and can be forwarded to higher-ranking building management systems. Your escape route is secured against unauthorised access in any case. At the same time, the integrated emergency push button ensures access in emergency situations.

TECHNICAL DATA

	TZ 320 BSN UP	TZ 320 BSN AP	TZ 320 SN stainless steel, flush-mounted box set
Acoustic signal	75 dB	75 dB	75 dB
Number of outputs	2	2	2
Number of inputs	3	3	3
Illuminated	yes	yes	no
Operating voltage	24 V DC	24 V DC	24 V DC
Width	81 mm	77 mm	98 mm
Height	223 mm	197 mm	260 mm
Depth	in flush-mounted boxes 62 mm deep	88 mm	11.5 mm
Contact rating	30 V / 1 A	30 V / 1 A	30 V / 1 A
With ribbon cable	yes	yes	yes
Type of installation	Flush mounting	Surface mounting	Flush mounting
Emergency push button	yes	yes	yes
Visual display	yes	yes	yes
Parameter setting	ST 220 service terminal	ST 220 service terminal	ST 220 service terminal
Sabotage contact	yes	yes	yes
IP rating	IP30	IP30	IP30
Current consumption	130 mA	130 mA	130 mA
Power supply for external devices (24 V DC)	600 mA	650 mA	600 mA
Temperature range	-10 °C...+55 °C	-10 °C...+55 °C	-10 °C...+55 °C
Supply voltage	230 V	230 V	230 V
Delayed emergency push button	no	no	no
Cylinder type	Euro profile half cylinder	Euro profile half cylinder	Euro profile half cylinder
Conform to EN 13637	yes	yes	yes

TZ 320 STANDARD DOOR CONTROL UNIT – SYSTEM STRUCTURE



1 = flashlight | 2 = signal horn | 3 = alarm message | 4 = key switch | 5 = sensor strip | 6 = movement detector | 7 = contact sensor | 8 = main switch | BMA = fire alarm system | FTV 320 = escape door lock | FS = latch lock | EMA = burglar alarm system | MA 500 = holding magnet | MST 210 = motor lock control | Powerturn/Slimdrive EMD = swing door drive | TK = door contact | TS 5000 = door closer | ZuKo = access control

FUNCTIONAL DESCRIPTION

In the direction of escape, the door is held closed by an additional electrical locking element which is controlled by the door control unit as the central system unit. Authorised passing of the secured door can be by means of external activation devices such as key switches, access control or an intercom. In the direction of escape, authorised passage is also possible by means of the integrated key switch of the door control unit. If the door is to be passed through from the outside, the panic lock must be mechanically unlocked as well.

Time monitoring of the door

If the door is not closed after the release time for authorised activation has expired, a pre-alarm is triggered to draw attention to the time limit being exceeded. If the pre-alarm time is also exceeded, a door alarm is triggered and has to be acknowledged by the key switch

Passing of the door in case of emergency

In case of emergency, the door can be released at any time via the integrated emergency push button. Visual and acoustic signal transmitters integrated in the door control unit signal unauthorised passing of the door.

Central control and visualisation

Thanks to the integrated bus function of the TZ 320, central visualisation and control of the individual doors can take place via the TE 220 control panel or the GEZE Cockpit.

Bus functions

Burglar alarm systems (BMA), fire alarm systems (BMA) or timers (ZSU) can be connected to a door control unit in the bus system. The signals can be forwarded by the bus to all further door control units. Up to five groups are always possible.

Note: forwarding the fire alarm system signal is not permitted with EN 13637 conforming control units.

Other functions

- Permanent unlocking
- Locking
- Acknowledging an alarm
- Emergency unlocking via the fire alarm system

Design variants

The variant with IQ lock C, a self-locking contact lock in place of the panic lock, offers increased ease of access from the outside by only one operating process. Mechanical unlocking of the lock and release of the emergency exit protection are carried out simultaneously. The lock is unlocked by the Euro profile cylinder via the integrated cylinder contact of the IQ lock C, and a short-time release is executed at the TZ 320 at the same time.

The variant with IQ lock EL, a self-locking motor lock combined with swing door drive, offers increased access convenience thanks to the fully automatic opening of the door after authorised passage. In daytime operation the door control unit can be permanently unlocked so that passage via push button or radar sensor is possible by anyone. At night, the door control unit can be locked so that passage is only possible by authorised persons. In addition, the self-locking feature guarantees the doors are always locked in accordance with insurance requirements.

Planning information

The TZ 320 is very well equipped with two freely programmable outputs and three programmable inputs. If the requirements make more outputs or inputs necessary, the system TZ 320 Comfort with IO 420 interface module must be used. If, for example, alarm messages are required in addition to a swing door drive, or if other signals have to be forwarded to a central building management system, more than two outputs are necessary.

System components

- TZ 320 SN AP/UP door control unit
- FTV 320 escape door lock
- Emergency exit electric strike with latch lock or holding magnet with installation set and door contact

Options

- Flashlight, signal horn
- SCT 220, SCT 222, SCT 320 external key switches
- NOT 320 external emergency push button
- Uninterrupted power supply (UPS)
- T 320 terminal
- ST 220 service terminal
- IQ lock EL, EM, C, M
- Slimdrive EMD, ECTurn, Powerturn swing door drives
- TE 220 control panel
- Connection to BACnet MS/TP via IO 420
- Connection to BACnet IP via GEZE Cockpit

ORDER INFORMATION

Designation	Switch programme	Version	ID no.
TZ 320 BSN door control unit, flush-mounting, EN 13637	Jung AS 500	white	193509
Consisting of: a control unit with emergency push button, key switch with Euro profile half cylinder.	Jung LS 990	stainless steel	193510
Emergency exit sign, illuminated, power supply 24 V DC	Gira E2	anthracite	193511
	Gira E2	pure white matt	193542
TZ 320 BSN door control unit, surface-mounting, EN 13637		white aluminium	193546
Consisting of: a control unit with emergency push button, key switch with Euro profile half cylinder.		green	193545
Emergency exit sign, illuminated, power supply 24 V DC			
TZ 320 BS door control unit, surface-mounting, EN 13637		white aluminium	193544
Consisting of: control unit with emergency push button, key switch with Euro profile half cylinder, illuminated emergency exit sign, operating voltage 24 V DC		green	193543
TZ 320 BSN door control unit stainless steel, surface-mounted set, EN 13637		stainless steel	193506
Consisting of: stainless steel front plate surface-mounted, standard, with recess for Euro profile cylinder, stainless steel housing surface-mounted, TZ 320 control unit flush mounting with emergency, push button SCT 320 key switch, emergency exit sign pre-mounted, SCT design adhesive frame, 24 V DC power supply, output current max. 950 mA, 230 V AC power supply, operating voltage 24 V DC			
TZ 320 BSN door control unit stainless steel, flush-mounting set, EN 13637		stainless steel	193507
Consisting of: stainless steel front plate flush mounting, standard, with recess for Euro profile cylinder, stainless steel housing flush-mounted, TZ 320 UP control unit with emergency, push button SCT 320 key switch, emergency exit sign pre-mounted, SCT design adhesive frame, 24 V DC power supply, output current max. 950 mA			
230 V AC power supply, 24 V DC operating voltage			

Designation	Switch programme	Version	ID no.
TZ 320 BSN stainless steel door control unit, flush-mounted box set, EN 13637 Consisting of: stainless steel front plate, flush-mounted standard with recess for Euro profile cylinder, white spacer frame, TZ 320 UP control unit with emergency push button, SCT 320 key switch, emergency exit sign pre-mounted, SCT design adhesive frame, 24 V DC power supply Not included: wall fixing screws Output current max. 950 mA, power supply 230 V AC Operating voltage 24 V DC		stainless steel	193508
TZ 32x stainless steel housing flush-mounting		Surface mounting Flush mounting	155022 155023
Stainless steel front plate, standard EN 13637 Incl. Makrolon panel with pre-mounted emergency exit sign		Surface mounting Flush mounting	193550 193552
Stainless steel front plate RFID, EN 13637 With recess for RFID reader, incl. Makrolon panel with pre-mounted emergency exit sign		Surface mounting Flush mounting	193551 193553
Door control unit configuration			199289
TZ 320 UP control unit Control unit with emergency push button impact cover made of transparent plastic			129586

Products



TZ 320 BSN door control unit, flush mounting, EN 13637, Gira E2 pure white matt (193542)



TZ 320 BSN door control unit, flush mounting, EN 13637, Gira E2 anthracite (193511)



TZ 320 BSN UP door control unit, EN 13637, Jung AS 500 white (193509)



TZ 320 BSN UP door control unit, EN 13637, Jung LS 990 stainless steel (193510)



TZ 320 BSN door control unit, surface mounting, EN 13637 (193545), TZ 320 BS door control unit, surface mounting, EN 13637 (193543)



TZ 320 BSN door control unit, surface mounting, EN 13637 (193546), TZ 320 BS door control unit, surface mounting, EN 13637 (193544)



TZ 320 BSN stainless steel door control unit, surface-mounted set, EN 13637 (193506)



TZ 320 BSN stainless steel door control unit, flush-mounting set, EN 13637 (193507)



TZ 320 BSN stainless steel door control unit, flush-mounted box set, EN 13637 (ID 193508)



TZ 32x stainless steel housing, surface mounting (155022)



TZ 32x stainless steel housing, flush-mounted (155023)



Stainless steel front plate, standard, EN 13637 (193550)



Stainless steel front plate RFID, surface mounting EN 13637 (193551)



TZ 320 UP control unit (129586)

T 320 AP terminal



Slave control unit for bi-directional escape routes with a TZ 320 or TZ 322 with integrated key switch

AREAS OF APPLICATION

- Terminal functions as additional interface for a TZ 320 to trigger an indirect release of a bi-directional emergency exit
- Realisation of a bi-directional emergency exit
- Realisation of an escape balcony

PRODUCT FEATURES

- Flat impact cover enables fast and safe activation of the illuminated emergency push button in panic situations
- Coloured connectors facilitate electrical connection
- Integrated key switch enables authorised passing through emergency exit
- Illuminated emergency exit sign improves visibility

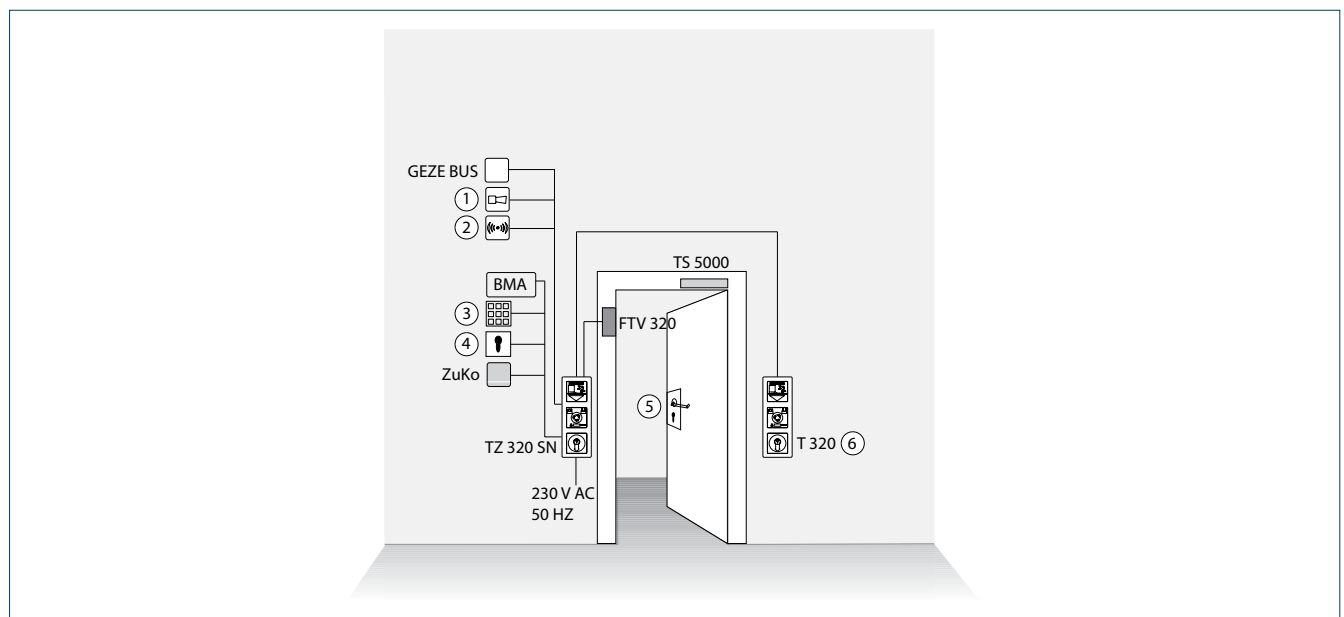
TERMINAL FOR BI-DIRECTIONAL ESCAPE ROUTES – T 320 SERIES

Your escape route goes in both directions? No problem! Doors that are to secure the escape route in both directions are equipped with a TZ 320 on one side and a T 320 on the other. Thus, in case of danger, the door can be safely unlocked from both sides at any time via an emergency push button. The activation of the electric locking element can be controlled via the terminal as well as via the door control unit. This locking element keeps the doors locked and prevents unauthorised access.

TECHNICAL DATA

	T 320 AP terminal	T 320 UP control unit
Acoustic signal	75 dB	75 dB
Illuminated	optional	no
Operating voltage	24 V DC	24 V DC
Width	77 mm	for installation in 55 mm grid
Height	197 mm	for installation in 55 mm grid
Depth	88 mm	in flush-mounted boxes 62 mm deep
With ribbon cable	yes	yes
Type of installation	Surface mounting	Flush mounting
Emergency push button	yes	yes
Visual display	yes	yes
Sabotage contact	yes	yes
IP rating	IP30	IP30
Current consumption	100 mA	100 mA
Temperature range	-10 °C...+55 °C	-10 °C...+55 °C
Supply voltage	24 V DC	24 V DC
Delayed emergency push button	no	no
Supply voltage	230 V	230 V
Delayed emergency push button	no	no
Cylinder type	Euro profile half cylinder	-
Conform to EN 13637	yes	yes

BI-DIRECTIONAL ESCAPE ROUTE – SYSTEM STRUCTURE



1 = signal horn | 2 = alarm message | 3 = Toplock | 4 = key switch | 5 = panic lock | 6 = terminal / door control unit

SYSTEM DESCRIPTION

Authorised passage in the 1st direction of escape

Authorised passage through the secured door in the 1st direction of escape is by means of a key switch integrated in the door control unit. In addition, passage via external elements e.g. access control or a key switch is also possible. The door is released for authorised passage for a configurable amount of time (short-time release).

Authorised passage in the 2nd direction of escape

Authorised passage through the secured door in the 2nd direction of escape is by means of a key switch integrated in the terminal. In addition, passage via external elements e.g. access control or a key switch is also possible. The door is released for authorised passage for a configurable amount of time (short-time release).

Time monitoring of the door

If the door is not closed after the release time for authorised activation has expired, a pre-alarm is triggered to draw attention to the time limit being exceeded. If the pre-alarm time is also exceeded, a door alarm is triggered and has to be acknowledged by the key switch. The door is equipped with a door closer to ensure it closes automatically after passage.

Passing the door in case of emergency

The door can be released at any time in case of an emergency via the emergency push button integrated on the door control unit and/or on the terminal. Visual and acoustic signal transmitters integrated in the door control unit and in the terminal signal unauthorised passing of the door. There is also the possibility of triggering external signal transmitters via an alarm contact or relaying a message to a building management system.

ORDER INFORMATION

Designation	Version	ID no.
T 320 AP terminal, EN 13637	white aluminium	193548
Consisting of: control unit with emergency push button, key switch with Euro profile half cylinder, non-illuminated emergency exit sign	green	193547
T 320 UP control unit		140999
(No complete flush-mounting set available, assembled of individual components)		

Products



T 320 AP control unit
(193547)



T 320 AP control unit
(193548)



T 320 UP control unit
(140999)

TZ 321 SN AP



Door control unit for controlling escape route doors with adjustable, delayed emergency push button, key switch and power supply

AREAS OF APPLICATION

- Delayed unlocking of the emergency exit makes unauthorised access more difficult
- Can be used on single and double leaf doors
- Connectivity via bus enables e.g. interlocking door system control, forwarding of alarms, connection to building management system
- Can be combined with motor locks and swing door drives
- Realisation of a bi-directional emergency exit
- Surface-mounted installation allows subsequent installation on the door with little effort

PRODUCT FEATURES

- Flat impact cover enables fast and safe activation of the illuminated emergency push button in panic situations
- Coloured connectors facilitate electrical connection
- Three freely configurable inputs and two freely configurable outputs offer numerous possibilities for additional components
- Number of inputs and outputs can be extended with the IO 420 interface module
- Integrated power supply offers additional flexibility
- Integrated key switch enables authorised passing through emergency exit

DOOR CONTROL UNITS WITH DELAYED EMERGENCY PUSH BUTTON – TZ 321 SERIES

The delayed unlocking makes it difficult for unauthorised persons to pass through this door. The delay provides a time window to counteract possible misuse. With an additional emergency push button, the door can be unlocked at any time from a central location; if necessary, the emergency exit is automatically released after the time delay has expired. Control units of this series can be networked via the integrated bus function and connected to higher-ranking building management systems.

TECHNICAL DATA

	TZ 321 SN AP	T 320 UP control unit
Acoustic signal	75 dB	75 dB
Number of outputs	2	–
Number of inputs	3	–
Operating voltage	24 V DC	24 V DC
Width	77 mm	for installation in 55 mm grid
Height	197 mm	for installation in 55 mm grid
Depth	88 mm	in flush-mounted boxes 62 mm deep
Contact rating	30 V / 1 A	30 V / 1 A
With ribbon cable	yes	yes
Type of installation	Surface mounting	Flush mounting
Visual display	yes	yes
Parameter setting	ST 220 service terminal	configured via door control unit
Sabotage contact	yes	yes
IP rating	IP30	IP30
Current consumption	100 mA	100 mA
Power supply for external devices (24 V DC)	650 mA	–
Temperature range	–10 °C...+55 °C	–10 °C...+55 °C
Supply voltage	230 V	24 V DC
Delayed emergency push button	yes	–
Emergency push button	–	yes
Conform to EN 13637	no	no

ORDER INFORMATION

Designation	Version	ID no.
TZ 321 SN door control unit, surface mounting Consisting of: control unit with delayed emergency push button, key switch with Euro profile half cylinder, non-illuminated emergency exit sign, 24 V DC power supply	green	142374
TZ 321 UP control unit with delayed emergency push button, impact cover made of transparent plastic For switch programmes in System 55, installation in flush-mounted boxes 62.5 mm deep		128589
Door control unit configuration To configure the overall system		199289

Note

Use of TZ 321 with delayed unlocking is subject to case-specific approval or a project-specific building approval according to regional building regulations.

Products



TZ 321 SN door control unit,
surface-mounting
(142374)



TZ 321 UP control unit
(128589)

TZ 322 SN AP



Door control unit for controlling escape route doors with key switch and power supply, without integrated emergency push button

AREAS OF APPLICATION

- Control unit without emergency push button prevents unauthorised emergency opening directly on the door
- Can be used on single and double leaf doors
- Connectivity via bus enables e.g. interlocking door system control, forwarding of alarms, connection to building management system
- Can be combined with motor locks and swing door drives
- Realisation of a bi-directional emergency exit
- Surface-mounted installation allows subsequent installation on the door with little effort

PRODUCT FEATURES

- Control unit has a cover with door status indicators instead of an emergency push button
- Coloured terminals simplify installation
- Three freely configurable inputs and two freely configurable outputs offer numerous possibilities for additional components
- Number of inputs and outputs can be extended with the IO 420 interface module
- Integrated power supply offers additional flexibility
- Integrated key switch enables authorised passing through the emergency exit

DOOR CONTROL UNITS WITHOUT EMERGENCY PUSH BUTTON – TZ 322 SERIES

No emergency push buttons on electrically locked doors in escape and rescue routes – it's possible! The system is activated by an emergency push button located at a permanently occupied desk. Via the emergency push button, a so-called safety circuit is interrupted. This results in all the doors connected to this safety circuit being released safely. Door control units of this series are your first choice if you have particularly high requirements for monitoring an emergency exit.

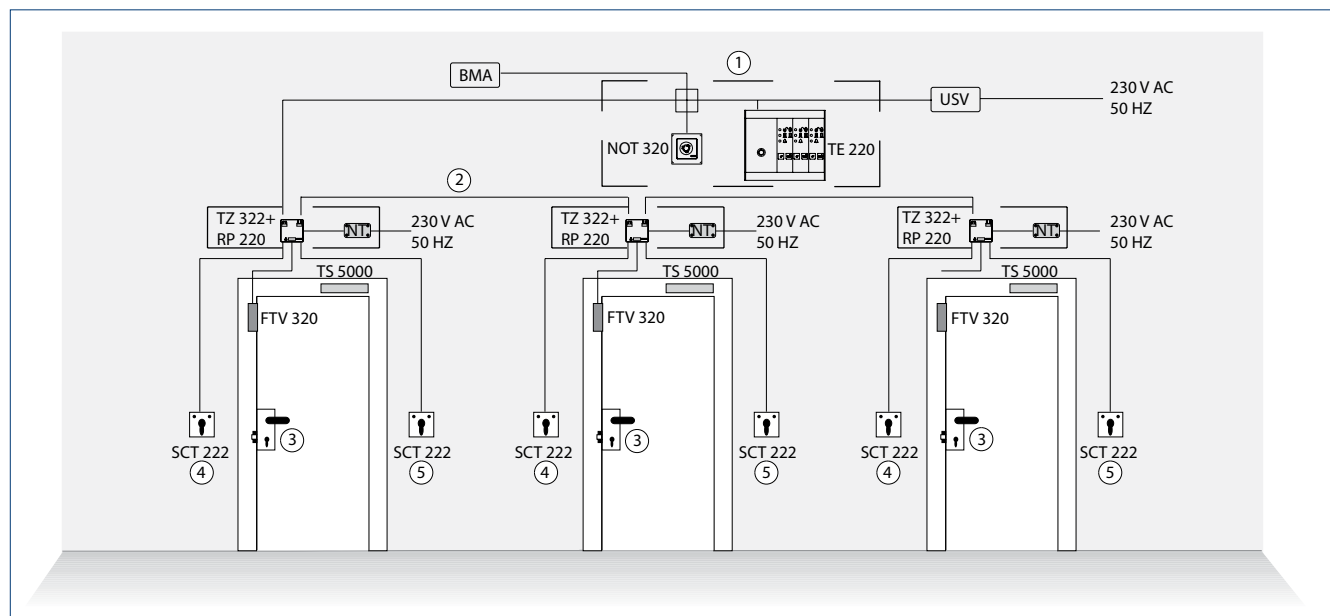
TECHNICAL DATA

	TZ 322 SN AP	TZ 322 UP control unit without impact cover
Width	77 mm	For installation in 55 mm grid
Height	197 mm	For installation in 55 mm grid
Depth	88 mm	in flush-mounted boxes 62 mm deep
Operating voltage	24 V DC	24 V DC
Supply voltage	230 V	24 V
Current consumption	100 mA	100 mA
Power supply for external devices (24 V DC)	650 mA	–
Contact rating	30 V / 1 A	30 V / 1 A
Sabotage contact	yes	yes
Number of inputs	3	3
Number of outputs	2	2
Emergency push button	no	no
Delayed emergency push button	no	no
Visual display	yes	yes
Acoustic signal	75 dB	75 dB
Temperature range	–10 °C...+55 °C	–10 °C...+55 °C
IP rating	IP30	IP30
Type of installation	Surface mounting	Flush mounting
With ribbon cable	yes	no
Parameter setting	ST 220 service terminal	ST 220 service terminal
Conform to EN 13637	no	no

Note

Use of the TZ 322 without a local emergency push button on the door is subject to case-specific approval or a project-specific building approval according to regional building regulations.

SPECIAL SYSTEM FOR AREAS WITHOUT LOCAL EMERGENCY PUSH BUTTON – SYSTEM STRUCTURE



1 = central desk | 2 = safety circuit | 3 = panic lock | 4 = interior | 5 = exterior

SYSTEM DESCRIPTION

Authorised passage in / against the direction of escape

Authorised passage of the secured door both in and against the direction of escape is via a key switch on the door. The door is released for authorised passage for a configurable amount of time (short-time release). The key switch is equipped with two LEDs which display the locking and alarm state. As an option, an access control can be fitted for convenient passage.

Time monitoring of the door

If the door is not closed after the release time for authorised activation has expired, a pre-alarm is triggered to draw attention to the time limit being exceeded. If the pre-alarm time is also exceeded, a door alarm is triggered and has to be acknowledged by the key switch. The door is equipped with a door closer to ensure it closes automatically after passage.

Monitoring of the secured emergency exit

A "pre-alarm" is signalled by the integrated handle contact of the motor lock if the door handle or panic bar is activated on a secured emergency exit. This is an early indication to unauthorised persons that the door is secured.

Passing the door in case of emergency

The system can only be activated by an emergency push button which is located at a permanently occupied desk. The emergency push button interrupts a so-called safety circuit. This triggers the safe activation of all the doors connected to this safety circuit.

Central monitoring and control of the doors

The TE 220 control panel can be used to monitor and control up to 20 doors from a permanently occupied desk.

ORDER INFORMATION

Designation	Version	ID no.
TZ 322 SN door control unit, surface mounting Consisting of: control unit without emergency push button, key switch with Euro profile half cylinder, non-illuminated emergency exit sign, 24 V DC power supply	green	130354
TZ 322 S door control unit, surface mounting Consisting of: control unit without emergency push button, key switch with Euro profile half cylinder	green	132295
TZ 322 UP control unit Control unit without emergency push button, impact cover made of transparent plastic For switch ranges in System 55		128804
TZ 322 UP control unit for stainless steel front plates Control unit without emergency push button, no impact cover Suitable for stainless steel front plates		157396
Stainless steel front panel, TZ 322 With recess for Euro profile cylinder For applications with TZ 322 without local emergency push button	Surface mounting	155026
	Flush mounting	155029
Stainless steel housing surface mounting	Surface mounting	155022
Stainless steel housing flush mounting	Flush mounting	155023

Products



TZ 322 SN AP door control unit
(130354)



TZ 322 UP control unit
(128804)



TZ 322 UP V2A control unit
(157396)



Stainless steel front plate
(155026)



Stainless steel housing surface mounting
(155022)



Stainless steel housing flush mounting
(155023)



ACCESS CONTROL AND SAFETY

Locking elements

A hazardous situation can cause panic and represent a danger to life – which is why it's even more important that electrically locked doors clear the escape route immediately. Locking elements such as the GEZE escape door locks, react immediately when they are released by authorised parties or someone presses the emergency push button. Other advantages: they save space, are easy to install and provide protection against manipulation and vandalism, thanks to clever devices. We are happy to help you choose the right locking elements for your emergency exit.



FTV 320



Escape door lock for doors in rescue routes

AREAS OF APPLICATION

- EltVTR-compliant locking of an emergency exit to prevent unauthorised access
- Single and double leaf doors
- Installation in the frame or the door leaf ensures a tidy appearance
- Can be used for numerous other safety solutions that require a fail-safe principle

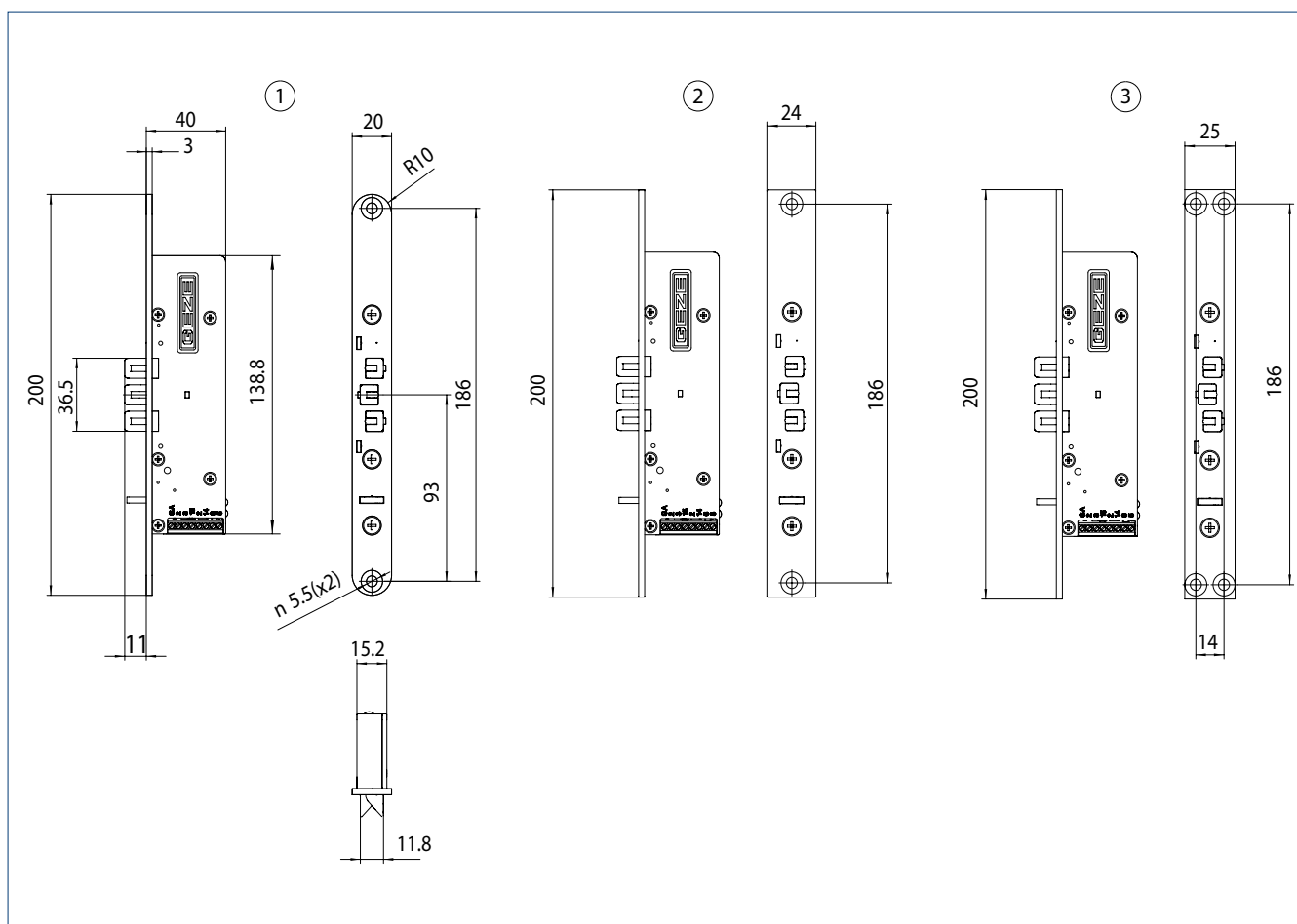
PRODUCT FEATURES

- Unique cross latch mechanism guarantees secure locking
- Integrated feedback contact ensures reliable monitoring of the door
- Integrated sabotage monitoring secures the locking mechanism against manipulation
- Variety of face plates and accessories offers a solution for almost every door situation

TECHNICAL DATA

FTV 320	
Height	138.8 mm
Width	15 mm
Depth	38 mm
Operating voltage	24 V DC
Current consumption in locked state	100 mA
Service temperature	-20 °C...+60 °C
Latch preload	3,000 N
Break-open resistance	5,000 N
Clearance	5 +/- 2 mm
DIN direction	universal
Feedback contact	yes
Fail-safe	yes
Conform to EltVTR (guidelines for electronic locking systems)	yes
Conform to EN 13637	no

PRODUCT SCALE DRAWINGS



1 = ID 158906 FTV 320 escape door lock face plate 20 x 200 x 3 mm, round for solid leaf doors (wood) | 2 = ID 158908 FTV 320 escape door lock Face plate 24 x 200 x 3 mm, rectangular, for tubular-framed door | 3 = ID 158913 FTV 320 escape door lock face plate 25 x 200 x 3 mm, rectangular, alternative version FTÖ 331

PRODUCT FEATURES

Planning reliability and simple consulting

One escape door lock for many applications. The types of installation DIN right / DIN left, horizontal / vertical, in door leaf or door frame make the FTV 320 extremely versatile. Exchange with products from other manufacturers is no problem. The comprehensive range of accessories complies with the standard dimensions.

Time-saving and failsafe

Additional components such as relay boards are not necessary. The double assignment of terminals is not required, nor is the setting of cable bridges between two terminals.

Space-saving

The small dimensions and omission of the latch lock previously required, use of the FTV 320 avoids unnecessary recesses in the door or frame. Leaving more room for fireproof insulation on fire protection doors. Cables can be routed past the housing of the escape door lock.

Simple to install

Locking device and face plate are delivered pre-mounted. Two fixing screws are all that is required for safe attachment. The strike plate on the opposite side is also installed using only two screws. There is no need for a latch lock to be installed.

Protection against vandalism and manipulation

Unlike conventional latch locks, the cross latches of the FTV 320 are blocked in the locked state, which prevents them from being manipulated using a cheque card. The mechanism and integrated control circuit board are protected against manipulation attempts and report any attempts to a higher-order level.

FTV 320 ESCAPE DOOR LOCK – ORDER INFORMATION

Designation	DIN door stop	Version	ID no.
FTV 320 escape door lock Face plate 20 x 200 x 3 mm, round for solid leaf doors (wood)	left/right		158906
FTV 320 escape door lock Face plate 24 x 200 x 3 mm, round for solid leaf doors (steel)	left/right		158909
FTV 320 escape door lock Face plate 22 x 220 x 3 mm, rectangular for tubular-framed doors	left/right		158907
FTV 320 escape door lock Face plate 24 x 200 x 3 mm, rectangular for tubular-framed doors	left/right		158908
FTV 320 escape door lock Face plate 28 x 200 x 3 mm, rectangular for tubular-framed doors	left/right		158910
FTV 320 escape door lock Face plate 30 x 200 x 3 mm, rectangular for tubular-framed doors	left/right		158911
FTV 320 escape door lock Angled face plate 30 x 48 x 220 x 3 mm, rectangular Alternative version FTÖ 331	left/right		158912
FTV 320 escape door lock Face plate 25 x 200 x 3 mm, rectangular Alternative version FTÖ 331	left/right		158913
FTV 320 escape door lock Face plate with lock latch guide 35 x 200 x 3 mm, rectangular Alternative version FTÖ 331	left/right		158914

FTV 320 ESCAPE DOOR LOCK – ORDER INFORMATION

Designation	DIN door stop	Version	ID no.
Strike plate 20 x 110 x 3, round for solid leaf doors (wood)	left/right	stainless steel	159059
Strike plate 20 x 140 x 3, round for solid leaf doors (wood)	left/right	stainless steel	159050
Lipped strike plate, can be shortened 20 x 140 x 3 mm (core dimensions), round for solid leaf doors (wood)	left/right	stainless steel	159056
Adjustable lipped strike plate, can be shortened 20 x 140 x 4 mm (core dimensions), round for solid leaf doors	left/right	stainless steel	159063
Strike plate 24 x 110 x 3 mm, round for solid leaf doors	left/right	stainless steel	159061
Strike plate 24 x 140 x 3 mm, round for solid leaf doors (steel)	left/right	stainless steel	159053
Lipped strike plate, can be shortened 24 x 140 x 3 mm (core dimensions), round for solid leaf doors (steel)	left/right	stainless steel	159058
Adjustable lipped strike plate, can be shortened 24 x 140 x 4 mm (core dimensions), round for solid leaf doors	left/right	stainless steel	159064
Strike plate 20 x 110 x 3, rectangular for tubular-framed doors	left/right	stainless steel	163768
Strike plate 22 x 220 x 3 mm, rectangular for tubular-framed doors	left/right	stainless steel	159051
Strike plate 24 x 110 x 3, rectangular for tubular-framed doors	left/right	stainless steel	163769
Strike plate 24 x 130 x 3 mm, rectangular for tubular-framed doors	left/right	stainless steel	159060
Strike plate 24 x 140 x 3 mm (core dimensions), rectangular for tubular-framed doors	left/right	stainless steel	159052
Lipped strike plate, can be shortened 24 x 140 x 3 mm (core dimensions), rectangular for tubular-framed doors	left/right	stainless steel	159057
Adjustable lipped strike plate, can be shortened 24 x 140 x 4 mm (core dimensions), rectangular for tubular-framed doors	left/right	stainless steel	159065
Strike plate 28 x 130 x 3 mm, rectangular for tubular-framed doors	left/right	stainless steel	159062
Strike plate 28 x 140 x 3 mm, rectangular for tubular-framed doors	left/right	stainless steel	159054
Strike plate 30 x 140 x 3 mm, rectangular for tubular-framed doors	left/right	stainless steel	159055
Strike plate support 20 x 140 x 1 mm, rectangular	left/right	stainless steel	159066
Strike plate support 24 x 140 x 1 mm, rectangular	left/right	stainless steel	159067
Strike plate support 24 x 140 x 3 mm, rectangular	left/right	stainless steel	159068
Support FTV 320 24 x 200 x 1 mm, rectangular	left/right	stainless steel	159072
Support FTV 320 24 x 200 x 3 mm, rectangular	left/right	stainless steel	159071
Strike plate support 28 x 140 x 1 mm, rectangular	left/right	stainless steel	159069
Strike plate support 28 x 140 x 3 mm, rectangular	left/right	stainless steel	159070

MA 500 holding magnet



For magnetic locking of emergency exits
in accordance with the fail-safe principle

AREAS OF APPLICATION

- Doors along escape and rescue routes
- Emergency exits

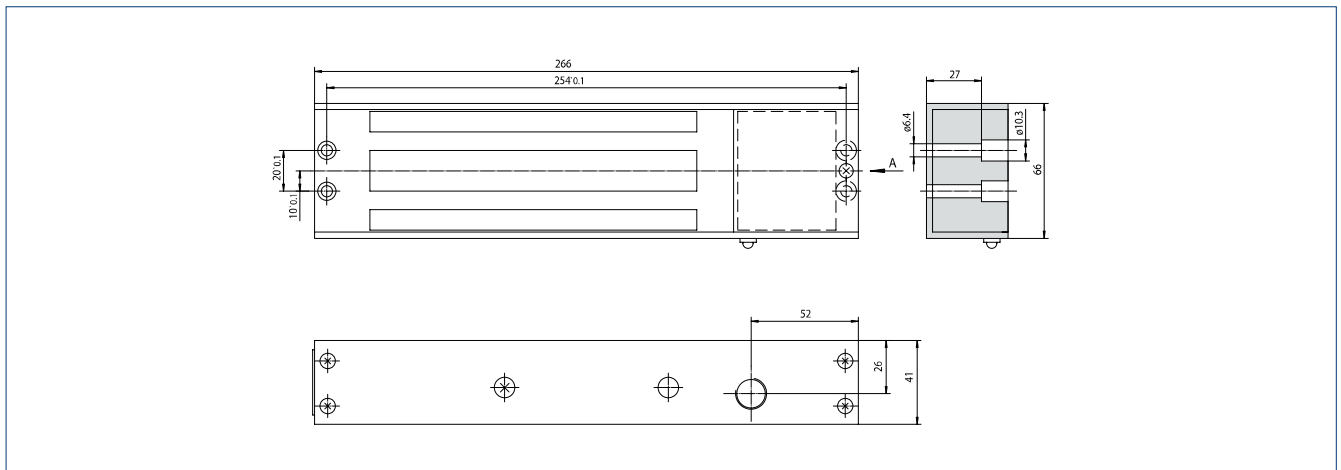
PRODUCT FEATURES

- Integrated monitoring controls the locking status
- Separate door contact enables door status message
- Different installation sets offer three different installation situations

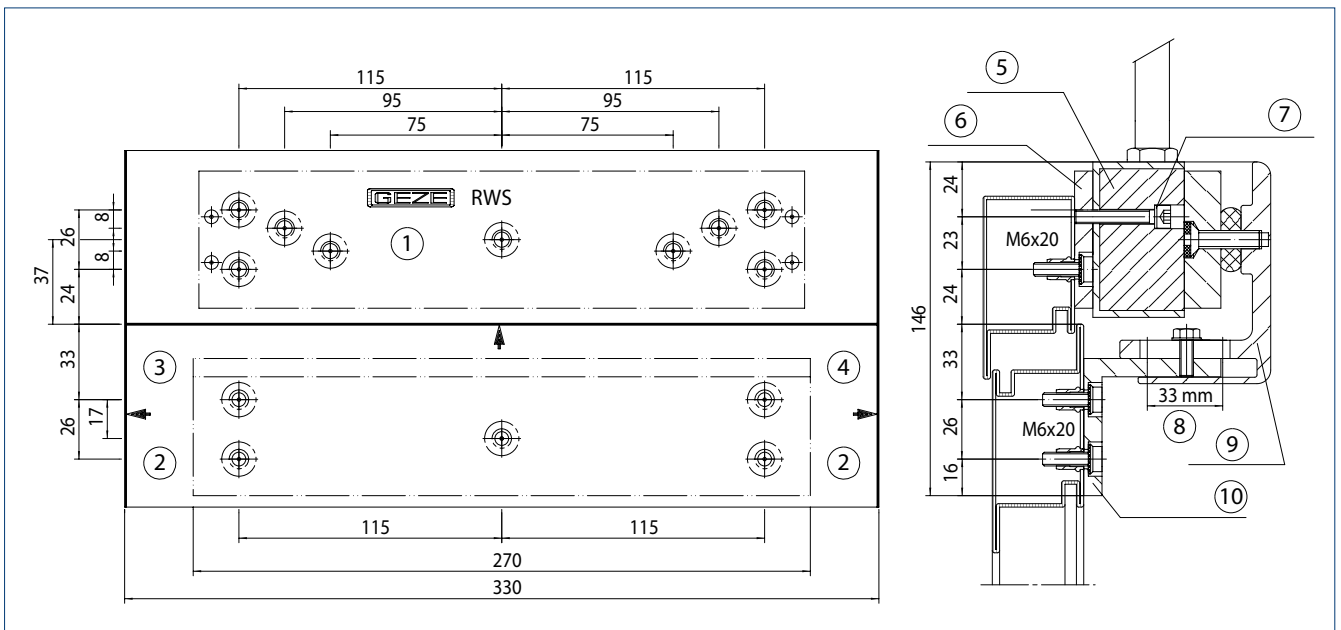
TECHNICAL DATA

	MA 500
Width	265 mm
Height	66 mm
Depth	41 mm
Type of installation	with corresponding installation set (hinge side, opposite hinge side or reveal)
Service temperature	-10 – 50 °C
IP rating	IP30
Operating voltage	24 V DC
Current consumption	250 mA
Feedback contact	yes
Fail-safe	yes
Conform to EN 13637	yes

PRODUCT SCALE DRAWING

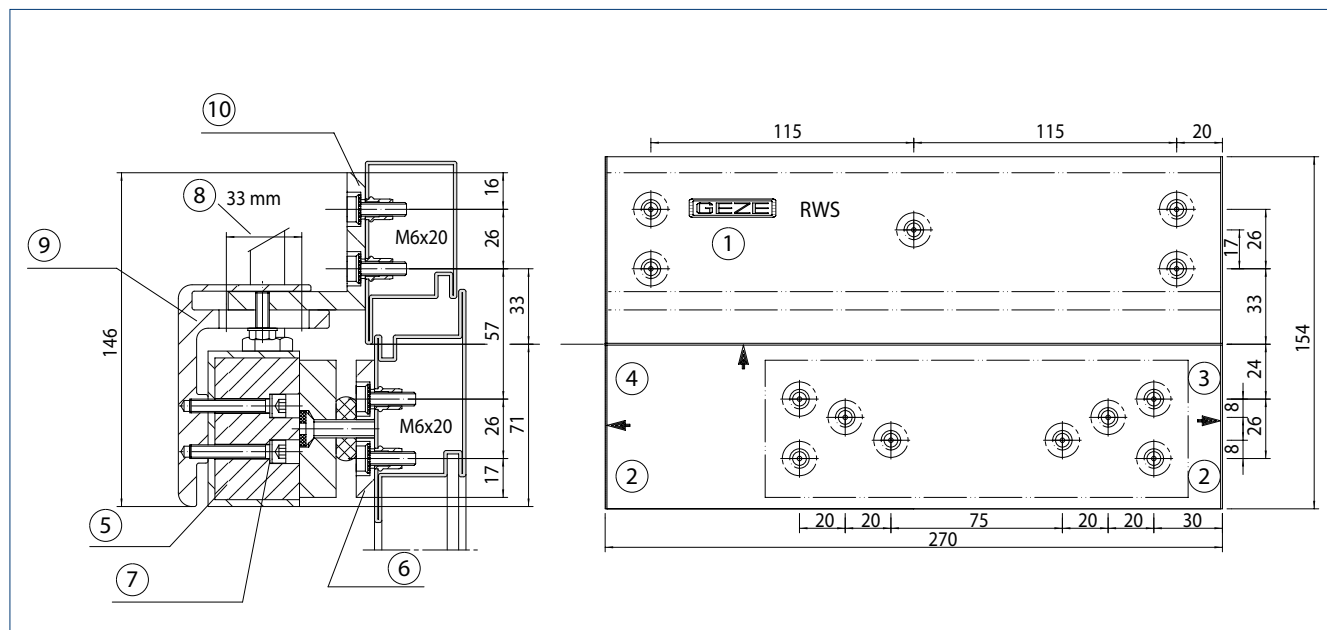


INSTALLATION SET MA 500, HINGE SIDE



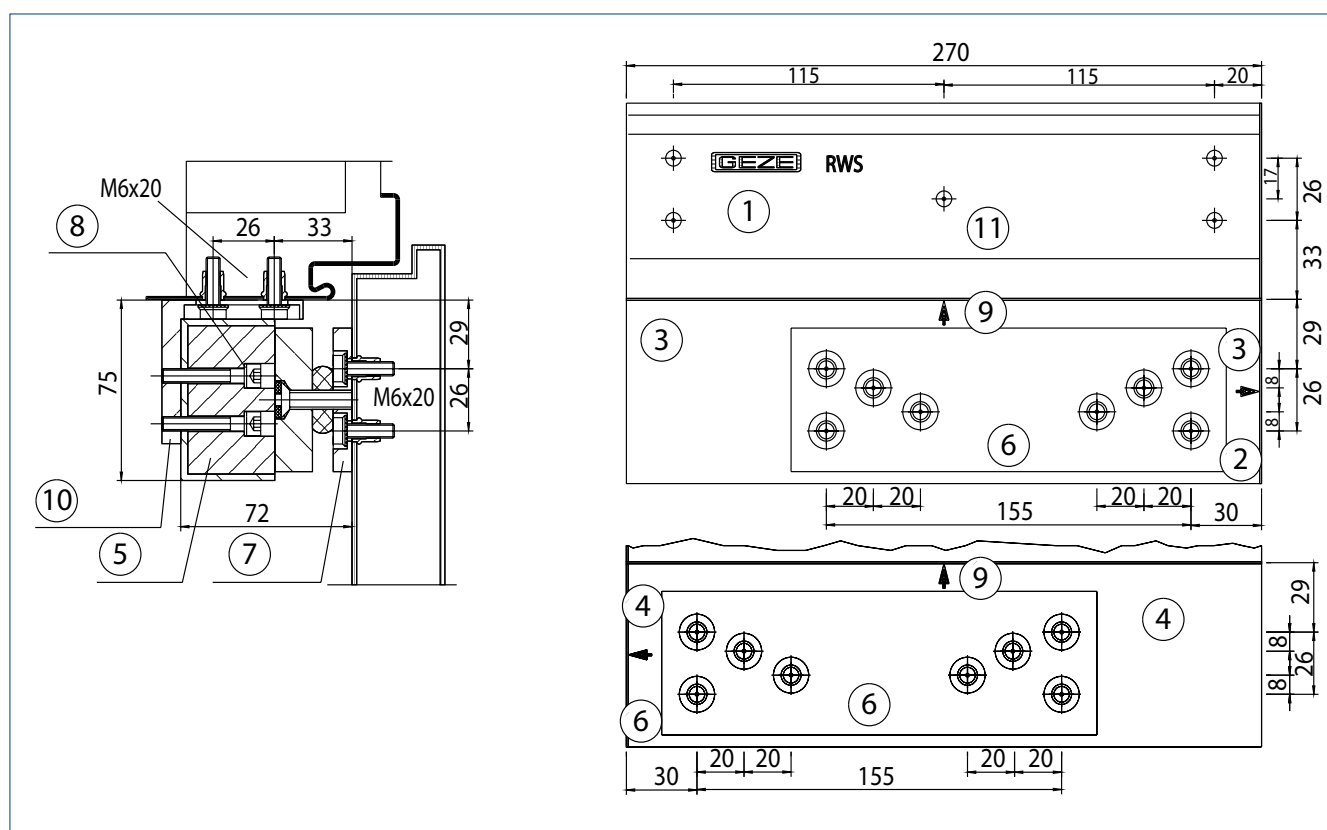
1 = drilling template hinge side | 2 = door edge lock side | 3 = door DIN right | 4 = door DIN left | 5 = magnet with counterplate | 6 = mounting plate | 7 = lock washer | 8 = adjusting path | 9 = installation bracket | 10 = mounting bracket

INSTALLATION SET MA 500, OPPOSITE HINGE SIDE



1 = drilling template opposite hinge side | 2 = frame lock side | 3 = door DIN right | 4 = door DIN left | 5 = magnet with counterplate | 6 = retaining plate | 7 = lock washer | 8 = adjusting path | 9 = installation bracket | 10 = mounting bracket

INSTALLATION SET MA 500, MOUNTING WITHIN REVEAL



1 = drilling template mounting within reveal | 2 = reveal lock side | 3 = door DIN right | 4 = door DIN left | 5 = magnet with counterplate | 6 = retaining plate on the door | 7 = retaining plate | 8 = lock washer | 9 = lintel | 10 = mounting bracket | 11 = mounting bracket on the reveal

ORDER INFORMATION

Designation	Version	ID no.
MA 500 holding magnet With counterplate	silver-coloured	024740
Installation set MA 500, hinge side	silver-coloured	024731
Installation set MA 500, opposite hinge side	silver-coloured	024732
Installation set MA 500, mounting within reveal	silver-coloured	025727
Surface-mounted magnetic contact Sensing distance 21 mm	white	200386
Reed contact set	white	106133



ACCESS CONTROL AND SAFETY

System solutions

We offer you complete solutions. From the initial consultation, the products and their installation through to the service following commissioning. Everything is tailored to your specific demands and needs. Our industry experts fully understand your concerns and will put together a package of solutions tailored to your individual needs.



Emergency exit protection

NURSERY SCHOOL SOLUTION – FLEXIBLE AND SAFE ENTRANCE AND EXIT CONTROL FOR NURSERY SCHOOLS

With this emergency exit protection system for doors in nursery schools, the emergency exit is always locked and thus reliably protected against unauthorised passage. Unauthorised use of the emergency exit door by children can thus best be prevented by an approved system. The special feature of this system is the push button on the inside, which is positioned at a height of 1.80 m, inaccessible for children. In addition, the outside push button can be enabled or disabled via a switch for the parents during the arrival and pick-up periods. The activation of the emergency push-button – at a level children can reach – immediately releases the door and is signalled by both visual and acoustic alarms. This solution is also suitable for existing doors which are already fitted with an electric strike and a knob or pull handle on the outside.



1 = panic lock with exchange function "E" on site | 2 = TS 4000/TS 5000 door closer | 3 = push button at 1.80 m height | 4 = switch to activate or deactivate the exterior push button | 5 = TZ 320 SN door control unit, surface-mounted/flush-mounted | 6 = FTV 320 escape door lock | 7 = A5000--B electric strike | 8 = key switch | 9 = push button outside

SYSTEM COMPONENTS

TZ 320 SN door control unit, surface-mounting/flush-mounting	●
FTV 320 escape door lock	●
A5000--B electric strike	●
RP 220 relay board	●
Push button at 1.80 m height	●
Push button outside	●
Switch to enable or disable the outside push button	●
TS 4000/TS 5000 door closer	●
Panic lock with changeover function "E" on site	●

OPTIONAL COMPONENTS

Swing door drive as an alternative to the door closer for automatic door operation
Holding magnet with installation set and door contact instead of escape door lock
Flashlight
Signal horn
Uninterruptible power supply (UPS)
Timer instead of the switch

● = yes

SYSTEM DESCRIPTION**Passage by nursery school personnel**

Personnel triggers a short-time release on the door control unit by activating the outside key switch. The door can then be passed using the key on the panic lock.

Pick up and drop off times

The outside push button can be enabled or disabled via a switch in the office or on the door. This means that parents can trigger a short-time release when they are bringing or collecting their children, and open the door from the outside. Parents can leave the nursery school again by opening the door using the push button mounted at a height of 1.80 m. The installation height of 1.80 m means the push button is out of children's reach.

Time monitoring of the door

If the door is not closed after the release time has expired, a pre-alarm is triggered. This is to draw attention to the fact that the time has been exceeded. If the pre-alarm time is also exceeded, a door alarm is triggered and has to be acknowledged by the key switch. The door is equipped with a door closer to ensure it closes automatically after passage.

Passing of the door in case of emergency

The door can be released at any time in an emergency by pressing the integrated emergency push button on the door control unit which is usually installed at a height of 850 mm and is thus also accessible for children. Visual and acoustic signal transmitters integrated in the door control unit signal passing of the door. There is also the possibility of triggering external signal transmitters via an alarm contact or relaying a message to a building management system.

Burglary protection

To lock the door in accordance with insurance requirements, nursery school staff must lock it manually using the panic lock.

Emergency exit protection

BI-DIRECTIONAL EMERGENCY EXIT PROTECTION FOR DOORS WITH EMERGENCY EXIT FUNCTION IN BOTH DIRECTIONS.

In the case of doors that serve as an escape route in both directions, a special system solution is necessary in order for them to make passage possible in both directions in emergency situations. With the GEZE system solution, doors along escape routes are generally held closed via an additional electrical locking element and thus reliably secured against unauthorised passage. Passage of the emergency exits is controlled by the TZ 320 door control unit. The T 320 terminal is fitted in the second direction of escape. Thus, in case of danger, the door can be safely unlocked from both sides at any time via an emergency push button. The door can be controlled and monitored via the T 320 terminal and via the TZ 320 door control unit.



1 = TS 4000/TS 5000 door closer | 2 = TZ 320 SN door control unit, surface-/flush-mounting | 3 = FTV 320 escape door lock | 4 = T 320 terminal surface- or flush-mounting

SYSTEM COMPONENTS

TZ 320 SN door control unit, surface-mounting/flush-mounting	●
T 320 terminal surface- or flush-mounting	●
FTV 320 escape door lock	●
TS 4000/TS 5000 door closer	●

OPTIONAL COMPONENTS

Holding magnet with installation set and door contact instead of escape door lock
Flashlight
Signal horn
Uninterruptible power supply (UPS)
Access control
TE 220 control panel
Connection to BACnet MS/TP via IO 420
Connection to BACnet IP via GEZE Cockpit

● = yes

SYSTEM DESCRIPTION**Authorised passage in the 1st direction of escape**

Authorised passage through the secured door in the 1st direction of escape is by means of a key switch integrated in the door control unit. In addition, passage via external elements e.g. access control or a key switch is also possible. The door is released for authorised passage for a configurable amount of time (short-time release).

Authorised passage in the 2nd direction of escape

Authorised passage through the secured door in the 2nd direction of escape is by means of a key switch integrated in the terminal. In addition, passage via external elements e.g. access control or a key switch is also possible. The door is released for authorised passage for a configurable amount of time (short-time release).

Time monitoring of the door

If the door is not closed after the release time has expired, a pre-alarm is triggered. This is to draw attention to the fact that the time has been exceeded. If the pre-alarm time is also exceeded, a door alarm is triggered and has to be acknowledged by the key switch. The door is equipped with a door closer to ensure it closes automatically after passage.

Passing the door in case of emergency

The door can be released at any time in case of an emergency via the emergency push button integrated on the door control unit and/or on the terminal. Visual and acoustic signal transmitters integrated in the door control unit and in the terminal signal unauthorised passing of the door. There is also the possibility of triggering external signal transmitters via an alarm contact or relaying a message to a building management system.

Central control unit

WARD SOLUTION WITH CONTROL PANEL

The GEZE SecuLogic building system is used for the central display and control of GEZE systems and external products. The ward solution, used in homes for the elderly, retirement complexes, hospitals or public facilities, for example, allows up to 20 doors to be monitored and controlled from a central point. Feedback of the system state of the doors and windows can be seen at a glance at all times. The individual control elements (control panels, door control units, IO modules as well as automatic door drives from GEZE) can be arranged as required in the individual bus systems.



1 = IQ lock ELmotor lock | 2 = TS 4000/TS 5000 door closer | 3 = TZ 320, door control unit | 4 = FTV 320 escape door lock | 5 = TE 220 control panel

SYSTEM COMPONENTS

TE 220 control panel	●
TZ 320 door control unit	●
FTV 320 escape door lock	●
TS 4000 / TS 5000 door closer	●

OPTIONAL COMPONENTS

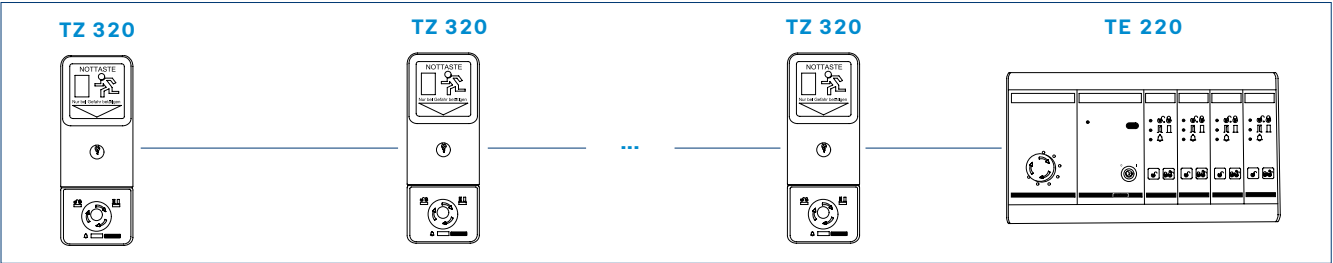
Repeater for extending the bus topology
Door control unit for automatic GEZE swing door drives DCU 103

● = yes

SYSTEM DESCRIPTION

Bus topology: linear bus structure

For practical purposes, we recommend restricting maximum bus length to 900 m due to the risk of loss of quality of the bus signal caused by numerous terminal points. A maximum of 20 devices can be assigned per control panel. Additional repeaters can be used to achieve star or tree structures and to extend bus lengths by another 900 m.



Visualisation

The operating statuses "door closed/open", "door locked/unlocked" and "alarm" can be displayed for each bus device.

Control

The components can be "permanently unlocked", "locked" and "short-term unlocked". Other commands can be realised as required by the application. A central control unit makes convenient operation of the doors possible.

Alarm

The alarm display allows alarm states to be recognised early and the building operator can react accordingly. If an emergency exit has not been closed after passage, for example, a "door alarm" is signalled and the emergency exit can once again be secured by closing the respective door.

Display locking status	Display door status	Display alarms	Control commands
Door unlocked	Door open	No alarm	Unlock
Door locked	Door closed	Alarm	Lock
Door short-term unlocked			Short-time release

Central monitoring

HOSPITAL WARD CONTROL VISUALISED

The GEZE SecuLogic building system ward solution can be installed at several different points in a building, e.g. multiple wards on different stories. Visualisation of the individual hospital ward controls facilitates continuous monitoring of the system status of all connected door and window systems from a central point.

The individual control elements (control panels, door control units, IO modules as well as automatic door drives from GEZE) can be arranged as required in the individual bus systems. They are brought together at the central point, where they are visualised.



1 = IQ lock EL motor lock | 2 = TS 4000/TS 5000 door closer | 3 = TZ 320 door control unit | 4 = FTV 320 escape door lock | 5 = MST 210 motor lock control | 6 = TE 220 control panel | 7 = GEZE Cockpit | 8 = router (optional) | 8.1 = GEZE Cockpit VISU on desktop PC | 8.2 = GEZE Cockpit VISU on touch screen (optional)

SYSTEM COMPONENTS

TE 220 control panel	●
TZ 320 door control unit	●
FTV 320 escape door lock	●
GEZE Cockpit	●
TS 4000 / TS 5000 door closer	●

OPTIONAL COMPONENTS

Repeater for extending the bus topology

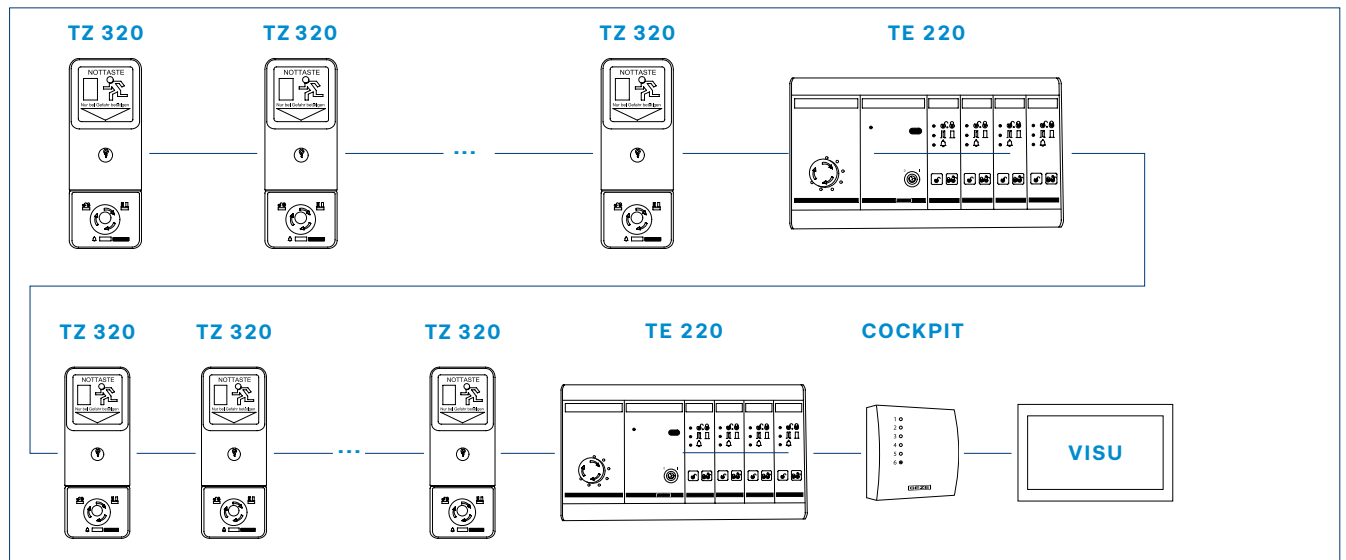
● = yes

SYSTEM DESCRIPTION

Bus topology: linear bus structure

For practical purposes, we recommend restricting maximum CAN bus length to 900 m due to the risk of loss of quality of the bus signal caused by numerous terminal points.

Additional repeaters can be used to achieve star or tree structures and to extend bus lengths by another 900 m. Up to 64 devices can be integrated in the CAN bus.



Visualisation

A wide range of operating statuses can be displayed for each bus device.

Control

The components can be "permanently unlocked", "locked" and "short-term unlocked". Other commands can be realised as required by the application. A central control unit makes convenient operation of the doors possible.

Alarm

The alarm display allows alarm states to be recognised early and the building operator can react accordingly. If an emergency exit has not been closed after passage, for example, a "door alarm" is signalled and the escape door can once again be secured by closing the respective door.

Display Locking status	Display door status	Display door status	Display Door control unit status	Control commands
Door unlocked	Door open	No alarm	Unlock	Unlock
Door locked	Door closed	Emergency opening by door control unit	Timer active	Lock
		Danger alarm system alarm	Lock	Short-time release
		Door alarm on door control unit	Burglar alarm system active – lock	
		Sabotage alarm on door control unit	Short-time release active	
		Emergency opening by door terminal	Service mode active	
		Sabotage on door terminal	Alarm system active	
		Sabotage on clamping box	Active interlocking door system	
		Emergency opening by BUS alarm	Passive interlocking door system	
		CAN BUS interference	Interlocking door system active	
		Relay fault on door control unit		
		Fault on locking element		
		Communication with clamping box disrupted		
		Communication with door terminal disrupted		
		RTC (real time clock) disrupted		

For further networking solutions on the BACnet standard via GEZE Cockpit, see www.cockpit.geze.com/de.

Central control unit

FOR DOORS IN INTERLOCKING DOOR SYSTEMS

This system allows interlocking door systems (active or passive) in the course of escape routes, e.g. in operating wings, laboratory and quarantine wards, to be achieved. This is the case when several doors are released in succession and may only be passed once the respective previous door has been closed again. The doors in one group mutually lock each other. A door control unit can be assigned to several groups at the same time. The interlocking door system relations can be changed at any time through simple parameter setting. A maximum of 10 interlocking door groups with up to 10 door control units each are possible per bus system. For both types of interlocking door system, immediate access can be gained by activating the emergency push button. The interlocking door system function can be switched on and off by means of key switches.



1 = TS 4000/TS 5000 door closer | 2 = TZ 320 SN door control unit, surface-/flush-mounting, reader integrated | 3 = traffic light display red/green | 4 = FTV 320 escape door lock

SYSTEM COMPONENTS

TZ 320 door control unit	●
FTV 320 escape door lock	●
Traffic light display red/green	●
Push button	●
Power supply	●
TS 4000 / TS 5000 door closer	●

OPTIONAL COMPONENTS

Holding magnet with installation set and door contact instead of escape door lock
Red indicator lamp instead of the traffic light display
IQ lock EL motor lock
IQ lock EM lever lock
IQ lock C contact lock
Slimdrive EMD / Powerturn swing door drive
Timer (ZSU)
Flashlight
Signal horn
Uninterruptible power supply (UPS)
TE 220 control panel

● = yes

SYSTEM DESCRIPTION**Active interlocking door system**

In the closed state, all the doors configured as part of an active interlocking door group are locked. If one of these doors is released short-term via respective activation devices, it transmits a signal to all the other doors in the group at the same time and prevents short-time unlocking.

Passive interlocking door system

In contrast to the active interlocking door system, all the doors configured as part of a passive interlocking door system are not generally locked when in a closed state. If one of these doors is opened, it sends a signal to all other doors and locks these.

Mixed interlocking door system (active and passive)

Both interlocking door system types can be combined in one interlocking door group.

Continued locking of interlocking door system doors for pressure compensation or air purification, e.g. in clean rooms

A time can be set for the interlocking door system to remain locked after it has been passed through (locking all the doors of an interlocking door group). Different times can be set at all the door control units of an interlocking door system. It is possible, for example, to keep the door locked for 5 s following passage from a clean room to a grey room, and for 15 s following passage in the opposite direction (grey room > clean room), since more time is required to clean the air in this case.

Authorised passage from the non-secured area into the interlocking door system

Authorised passage from the non-secured area is by means of electric access control using a card reader or the integrated key switch of the door control unit. The door is released for authorised passage for a configurable amount of time (short-time release).

SYSTEM DESCRIPTION – CONTINUATION

Authorised passage out of the interlocking door system

In the interlocking door system, the doors are released via a push button without special authorisation. If a higher safety standard is required, an electric access control or mechanical key switch must be used here as well.

Authorised passage out of the secured area into the interlocking door system

In the secured area, the door is released via a push button without special authorisation. If a higher safety standard is required, an electric access control or mechanical key switch must be used here as well.

Opening multiple doors in an interlocking door system for transportation purposes

The "permanent unlocking" function on the door control units is used to disable the interlocking door system function. Several doors in one interlocking door group can then be opened at the same time. If deactivation of the interlocking door system is not possible for safety reasons, the "permanent unlocking" function can be suppressed on the door control units.

Visual display of the interlocking door system status

A locked interlocking door system is indicated by the integrated LEDs on the door control unit flashing red. In addition, the traffic light display is green when the interlocking door system can be entered and red when it is locked. As an option, the system can display only a red signal; this indicates that the interlocking door system is occupied. If no visual signal is displayed, the door can be passed.

Time monitoring of the door

If the door is not closed after the release time has expired, a pre-alarm is triggered. This is to draw attention to the fact that the time has been exceeded. If the pre-alarm time is also exceeded, a door alarm is triggered and has to be acknowledged by the key switch. The door is equipped with a door closer to ensure it closes automatically after passage.

Automated interlocking door systems

In the context of interlocking door system control it is also possible to activate swing door drives via the door control unit and thus to open and close doors in defined building sections. If a door is locked by the door control unit (basic state of active interlocking door system), the door drive is in the so-called night mode. If the short-time release is triggered, the drive is automatically activated and the door opens. After the hold-open time set on the drive has passed, the door closes and the door control unit locks the door. If a door is in an unlocked state (basic state of passive interlocking door system), the door drive is switched to automatic mode. The activation devices connected to the drive are active as long as the door is unlocked. If the door control unit locks, all the activation devices belonging to the automation are without function.

Passing of the door in case of emergency

The door can be released in case of emergency at any time via the integrated emergency push button. Visual and acoustic signal transmitters integrated in the door control unit signal unauthorised passing of the door. There is also the possibility of triggering external signal transmitters via an alarm contact or relaying a message to a building management system.

Integrating doors without escape route function

Other types of doors such as sliding doors, industrial doors etc. can be integrated in a simple interlocking door system relation by means of the door control units. In this case, the door control unit serves only as an interlocking door system control which interrupts or releases the activation devices of the other doors. Its standardisation means that this solution is more straightforward than an interlocking door system control via a programmable logic controller (PLC) which generally requires separate programming and a cable plan and wiring diagram.



ACCESS CONTROL AND SAFETY

Individual components and accessories



Key switch

SCT 320 UP KEY SWITCH



Areas of application

- Authorised control of operating statuses on various GEZE products
- Approved for use with GEZE emergency exit system door control units
- Designed for Euro profile half cylinder 30/10
- Dry internal applications
- Flush-mounted installation makes almost flush integration possible with a low installation height

Product features

- Two-sided switching operation, with Euro profile half cylinder and three keys
- With ribbon cable for convenient connection to the emergency exit system flush-mounted door control unit
- With integrated sabotage contact
- Designed for installation in 55-type flush-mounted ranges

TECHNICAL DATA

	SCT 320 UP
IP rating	IP20
Type of installation	Flush-mounted installation
Material	Plastic
Switching voltage	24 V DC
Switching current	1 A

KEY SWITCH SCT 221



Areas of application

- For authorised activation of automatic doors
- For authorised changing of the mode of operation on automatic doors
- Internal application, some outer areas

Product features

- IP rating IP54
- One-sided switching operation
- Cover can only be removed with the key
- Light alloy housing

TECHNICAL DATA

	SCT 221
IP rating	IP54
Type of installation	Surface-mounted or flush-mounted installation
Material	Light alloy housing
Switching current	5 A
Switching voltage	230 V AC

SCT 220 UP KEY SWITCH**Areas of application**

- Authorised control of operating statuses on various GEZE products
- Approved for use with GEZE emergency exit system door control units
- Designed for Euro profile half cylinder 30/10
- Dry internal applications
- Flush-mounted installation makes almost flush integration possible with a low installation height

Product features

- With single frame
- Two-sided switching operation, with Euro profile half cylinder and three keys

TECHNICAL DATA

SCT 220 UP	
IP rating	IP20
Type of installation	Flush-mounted installation
Material	Stainless steel or plastic
Switching current	10 A
Switching voltage	250 V AC

SCT 222 KEY SWITCH WITH LED**Areas of application**

- Authorised control of operating statuses on various GEZE products
- Approved for use with GEZE emergency exit system door control units
- Designed for Euro profile half cylinder 30/10
- Outer areas thanks to high IP rating

Product features

- With integrated LED display for status feedback
- Right LED red/green and left LED yellow
- High-quality aluminium front plate
- Two-sided switching operation, with Euro profile half cylinder and three keys
- Sabotage-proof design, can only be opened with key

TECHNICAL DATA

SCT 222 with LED	
IP rating	IP54
Type of installation	Surface-mounted or flush-mounted installation
Material	Aluminium
Switching current	5 A
Switching voltage	230 V AC

KEY SWITCH STAY-PUT WITHOUT EURO PROFILE HALF CYLINDER

**Areas of application**

- For authorised activation of automatic doors
- For authorised changing of the mode of operation on automatic doors
- Internal application, some outer areas

Product features

- IP rating IP54
- Stay-put on both sides
- Cover can only be removed with the key
- Light alloy housing

TECHNICAL DATA

	SCT stainless steel
IP rating	IP54
Type of installation	Flush-mounted installation
Material	Light alloy housing
Switching current	5 A
Switching voltage	230 V AC

EURO-PROFILE HALF CYLINDER 40 MM 30/10

Areas of application

- Lock cylinder for activation of one or both sides of the door
- For key switches, manual locking devices, hook bolt locks

**Product features**

- Euro profile half cylinder 30/10

ORDER INFORMATION

Designation	Type of installation	Version	ID no.
Key switch SCT 320	Flush mounting	alpine white	131984
Two-sided switching operation, with Euro profile half cylinder and three keys	Flush mounting	pure white matt	130370
Frame available separately.	Flush mounting	anthracite	132278
Key switch SCT 221	Flush mounting	silver-coloured	054240
Single-sided switching operation, without Euro profile half cylinder	Surface mounting	silver-coloured	054532
SCT 220 key switch, Jung LS 990	Flush mounting	stainless steel	094170
Two-sided switching operation, with Euro profile half cylinder and three keys			
SCT 220 key switch, GIRA E2	Flush mounting	pure white matt	094012
Two-sided switching operation, with Euro profile half cylinder and three keys			
SCT 222 key switch with LEDs	Surface mounting	silver-coloured	100065
Two-sided switching operation, with Euro profile half cylinder and three keys	Flush mounting	silver-coloured	100064
Key switch stay-put without Euro profile half cylinder	Flush mounting	silver-coloured	111357
Euro-profile half cylinder 40 mm 30/10			090176

Emergency push button and emergency stop switch

NOT 320 EMERGENCY PUSH BUTTON



Areas of application

- Mains voltage can be switched off in the case of an emergency and during maintenance work
- Indirect activation of GEZE emergency exit system door control units
- Opening of automatic doors in case of an emergency

Product features

- LED lighting for better visibility, even in the dark
- Re-usable cover that protects against dust and dirt
- Contact system consists of one normally closed contact and one normally opened contact
- Flat impact cover enables fast and safe activation of the illuminated emergency push button in panic situations

TECHNICAL DATA

NOT 320 emergency push button	
IP rating	IP20
Type of installation	Surface-mounted or flush-mounted installation
Material of impact cover	Transparent plastic
Operating voltage	24 V DC
Current consumption	30 mA
Number of cores	4
Number of relays	2
Visual operating state display	yes
Sabotage contact	yes
Contact rating	30 V / 1 A
Temperature range	-10 °C ... +50 °C

NOT 220 AP EMERGENCY STOP SWITCH

**Areas of application**

- Mains voltage can be switched off in the case of an emergency and during maintenance work
- Indirect activation of GEZE emergency exit system door control units
- Opening of automatic doors in case of an emergency
- Surface-mounted installation for simple installation without a lot of installation effort
- Outer areas thanks to high IP rating

Product features

- LED lighting for better visibility, even in the dark
- Re-usable cover that protects against dust and dirt
- Contact system consists of one normally closed contact and one normally opened contact
- A second normally closed contact is available as an accessory
- Robust plastic housing protects the emergency push button reliably from mechanical effects

TECHNICAL DATA

NOT 220 AP emergency stop switch	
Dimensions	94 x 94 x 122 mm
IP rating	IP65
Type of installation	Surface mounting
Operating voltage	24 V DC
Current consumption	17 mA
Number of outputs	2
Temperature range	-10 °C ... +50 °C

NOT 220 UP EMERGENCY STOP SWITCH

**Areas of application**

- Mains voltage can be switched off in case of an emergency
- Mains voltage can be switched off in case of maintenance work
- Indirect activation of GEZE emergency exit system door control units
- Opening of automatic doors in case of an emergency
- Flush-mounted installation makes almost flush integration possible with a low installation height

Product features

- LED lighting for better visibility
- Re-usable cover that protects against dust and dirt
- Contact system consists of one normally closed contact and one normally opened contact
- A second normally closed contact is available as an accessory

TECHNICAL DATA

NOT 220 UP emergency stop switch	
IP rating	IP20
Type of installation	Flush-mounted installation
Material of impact cover	Plastic
Operating voltage	24 V DC
Current consumption	30 mA
Number of cores	4
Number of relays	2
Sabotage contact	yes
Contact rating	30 V / 1 A
Temperature range	-10 °C ... +50 °C

ORDER INFORMATION

Designation	Version	ID no.
NOT 320 UP emergency push button without frame		136571
NOT 320 AP emergency push button with surface mounted cap Jung AS 500 and 1 x frame	alpine white	137967
NOT 220 Emergency stop switch, Jung AS 500 mit 1 x frame, Jung AS 500 with emergency exit sign arrow downwards	alpine white	123132
NOT 220 AP emergency push button, IP65 in plastic housing IP65 94 x 94 x 122 mm with emergency exit sign arrow downwards		076777

Emergency exit signs

FWS 320 B EMERGENCY EXIT SIGN EN 13637



Areas of application

- Doors along escape and rescue routes
- Illumination of the emergency exit sign in an emergency exit system door control unit for better visibility

Product features

- Flat design for flush-mounted and surface-mounted installation
- Energy-efficient LED technology
- With ribbon cable for convenient connection to the emergency exit system door control unit
- Designed for installation in 55-type flush-mounted ranges

TECHNICAL DATA

FWS 320 B emergency exit sign EN 13637	
Dimensions	55 x 10 x 55 mm
Type of installation	Flush-mounted installation
Material	Plastic
Operating voltage	24 V DC
Current consumption	10 mA

EMERGENCY PUSH BUTTON NOTICE SIGN EN 13637



Areas of application

- Doors along escape and rescue routes

Product features

- Self-adhesive

TECHNICAL DATA

Emergency push button notice sign EN 13637	
Dimensions	94 x 94 mm
Colour	green (RAL 6032)

ORDER INFORMATION

Designation	Version	ID no.
FWS 320 B emergency exit sign EN 13637 illuminated with ribbon cable for installation on TZ 320 / SCT 320	green	193554
Emergency push button notice sign EN 13637 self-adhesive, dimensions: 94 x 94 mm	green	193993

Power supply

NET 320 POWER SUPPLY (0.75 A–24 V DC, FLUSH-MOUNTED)



Areas of application

- For installation in deep flush-mounted boxes, offers the option of direct connection of various flush-mounted components
- Approved for use with GEZE emergency exit system door control units

Product features

- Compact power supply

TECHNICAL DATA

	NET 320 power supply (139707)
Dimensions (L x W x H):	55.7 x 55.7 x 33 mm
Output voltage	24 V DC
Output current (max.)	0.75 A

NT 1.1 A–24 V UP POWER SUPPLY



Areas of application

- Flush-mounted installation of the power supply
- For the supply of 24 V drives and control units

Product features

- Compact power supply

TECHNICAL DATA

	NT 1.1 A–24 V UP power supply (151426)
Dimensions (W x H x D)	54 x 54 x 32 mm
Output voltage	24 V DC
Output current (max.)	1.1 A

POWER SUPPLY 24 V DC (NT 19.2-24, 0.8 A / 24 V)**Areas of application**

- GEZE escape and rescue route technology

Product features

- Compact power supply

**TECHNICAL DATA**

	NT 19.2-24, 0.8 A / 24 V (089862)
Dimensions (W x H x D)	100 x 32 x 32 mm
Output voltage	24 V DC
Output current (max.)	0.8 A

POWER SUPPLY 24 V DC (NT 1.5 A-24 V HS)



Areas of application

- For installation on top hat rails
- For the supply of 24 V drives and control units

Product features

- Quick and easy installation
- Powerful power supply with small dimensions

TECHNICAL DATA

	NT 1.5 A-24 V HS (151425)
Dimensions (W x H x D)	35 x 90 x 58 mm
Output voltage	24 V DC
Output current (max.)	1.5 A
Division units	2 division units

POWER SUPPLY 24 V DC (NT 2.5 A-24 V HS)



Areas of application

- For installation on top hat rails
- For the supply of 24 V drives and control units

Product features

- Quick and easy installation
- Powerful power supply with small dimensions

TECHNICAL DATA

	NT 2.5 A-24 V HS (151424)
Dimensions (W x H x D)	52 x 90 x 58 mm
Output voltage	24 V DC
Output current (max.)	2.5 A
Division units	3 division units

POWER SUPPLY 24 V DC (NT 6.25 A–24 V HS)**Areas of application**

- For installation on top hat rails
- For the supply of 24 V drives and control units

Product features

- Quick and easy installation
- Powerful power supply with small dimensions

TECHNICAL DATA

	NT 6.25 A–24 V HS (192113)
Dimensions (W x H x D)	72 x 95 x 66.5 mm
Output voltage	24 V DC
Output current (max.)	6.25 A
Division units	4 division units

STEP-UPS UNINTERRUPTIBLE POWER SUPPLY**Areas of application**

- For installation on top hat rails
- Approved for use with GEZE emergency exit system door control units

Product features

- Lithium-ion technology ensures low battery maintenance and a long service life
- Integrated battery module enables compact design and space-saving top hat rail
- Battery module installed without tools for easy replacement
- Automatic, cyclical battery quality testing guarantees reliable operation and promptly signals when a battery needs to be replaced
- Deep discharge protection protects the battery against damage, even under high loads
- Alarm status is displayed visually on the device and can be transmitted via contact
- Charge status is displayed visually on the device and can be transmitted via contact
- Battery status is displayed visually on the device and can be transmitted via contact
- Adjustable buffer time allows for individual adjustment to fit any application

TECHNICAL DATA

	Phoenix Contact UPS 24 V DC, 46 WH (193212)
Dimensions (W x H x D)	108 x 90 x 71 mm
Output voltage	24 V DC
Output current (max.)	3 A
Division units	6 division units

ORDER INFORMATION

Designation	Version	ID no.
Power supply NET 320, 0.75 A–24 V DC, flush-mounted	black	139707
NT 1.1 A–24 V UP power supply	black	151426
Power supply NT 19.2 – 24, 0.8 A / 24 V DC	black	089862
Power supply NT 24–1.3 A – 24 V DC	grey	078401
Power supply NT 1.5 A–24 V HS	black	151425
Power supply NT 2.5 A–24 V HS	black	151424
Power supply NT 6.25 A–24 V HS	grey	192113
STEP–UPS uninterruptible power supply	grey	193212

Indicator lamps and signal horns

SLE 220 UP INDICATOR LAMP, GREEN



Areas of application

- Increases safety even in large rooms
- Approved for use with GEZE emergency exit system door control units
- Designed for installation in 55-type flush-mounted ranges

Product features

- Warning light for reinforcing an optical alarm signal

TECHNICAL DATA

	SLE 220 UP indicator lamp, green
Reflector colour	green
Operating voltage	24 V DC
Current consumption	18 mA
Switch programme	Jung AS 500, alpine white

SLE 220 UP INDICATOR LAMP, RED



Areas of application

- Increases safety even in large rooms
- Approved for use with GEZE emergency exit system door control units
- Designed for installation in 55-type flush-mounted ranges

Product features

- Warning light for reinforcing an optical alarm signal

TECHNICAL DATA

	SLE 220 UP indicator lamp, red
Reflector colour	red
Operating voltage	24 V DC
Current consumption	18 mA
Switch programme	Jung AS 500, alpine white

SLE 220 INDICATOR LAMP SURFACE MOUNTING



Areas of application

- Increases safety even in large rooms
- Approved for use with GEZE emergency exit system door control units

Product features

- Warning light for reinforcing an optical alarm signal
- Surface-mounted installation for simple installation without a lot of installation effort

TECHNICAL DATA

	SLE 220 indicator lamp surface mounting
Dimensions (W x H x D)	61 x 61 x 74 mm
Reflector colour	red
Operating voltage	24 V DC
Current consumption	85 mA / 24 V
Switch programme	Jung AS 500, alpine white
IP rating	IP20

FLASHLIGHT



Areas of application

- Increases safety even in door situations that are poorly visible
- Approved for use with GEZE emergency exit system door control units
- In humid environments thanks to high IP rating

Product features

- Surface-mounted installation for simple installation without a lot of installation effort
- Sturdy, maintenance-free and fail-safe design thanks to the reflector's polycarbonate housing
- Xenon tubes for high visibility performance

TECHNICAL DATA

	Flashlight
Dimensions (Ø x H)	93 x 72 mm
Reflector colour	red
Flashing frequency	1 Hz, ± 20 %
Operating voltage	20–30 VDC
Current consumption	90 mA
IP rating	IP54

SIGNAL HORN**Areas of application**

- Increases safety even in door situations that are poorly visible
- Approved for use with GEZE emergency exit system door control units
- In humid environments thanks to high IP rating
- Surface-mounted installation for simple installation without a lot of installation effort

Product features

- Controllable volume to make every application situation possible
- 26 settings for signal tone

TECHNICAL DATA

	Signal horn
Dimensions (Ø x H)	111 x 25.5 mm
Reflector colour	red
Signal sound	26 settings
Volume	adjustable between 74 and 94 dB
Operating voltage	10-28 VDC
Current consumption	16 mA
IP rating	IP54

MULTIFUNCTIONAL SIREN**Areas of application**

- Increases safety even in large rooms
- Approved for use with GEZE emergency exit system door control units
- In humid environments thanks to high IP rating
- Designed for installation in 55-type flush-mounted ranges
- Can be mounted in flush-mounted boxes 62.5 mm deep

Product features

- Controllable volume to make every application situation possible
- 28 settings for signal tone

TECHNICAL DATA

	Multifunctional siren
Volume	20 – 107 dB/A (in 1 m)
Signal sound	Choice of 28 tones
Operating voltage	10 – 28 V DC
Current consumption	10 mA
IP rating	IP54
Installation	flush-mounted boxes 62.5 mm deep
Switch programme	Jung AS 500, alpine white

ORDER INFORMATION

Designation	Version	ID no.
SLE 220 indicator lamp flush mounting	green	115936
	red	115934
SLE 220 indicator lamp surface mounting	red	020866
Flashlight	red	199465
Signal horn	white	199469
Multifunctional siren	alpine white	199471

Synchronising unit

ST 220 SERVICE TERMINAL



Areas of application

- Emergency exit system door control units
- Motor locks
- Building automation components
- Automatic door drives
- Automatic window drives

Product features

- IR interface for the wireless parameter setting of emergency exit system door control units
- 4 AAA batteries for wireless operation
- Wired parameter setting via RS 485 bus
- Voltage supply via cable in the case of wired operation
- Four-line display and slim user interface for simple operation

TECHNICAL DATA

	ST 220 service terminal
Dimensions	80 x 125 x 37 mm
IP rating	IP40

ORDER INFORMATION

Designation	ID no.
ST 220 service terminal Parameter setting and diagnosis for TZ 320, TE 220, automatic sliding and swing door systems from DCU software 3.0 and IQ windowdrive, battery operation with 4 x AA cells (not supplied by GEZE), plain text display on illuminated display, membrane keyboard for operation	087261



ACCESS CONTROL AND SAFETY

Operating elements

Locked safely – and yet open in emergencies. Finally, emergency exit electric strikes must also be operated reliably, which is the purpose of the range of operating elements. If your building possesses several emergency exits, you can control and manage them with the GEZE TE 220 control panel, for instance. Another intelligent product is the GEZE Cockpit, our building automation system, which networks door and window technology – and increases safety even more.



TE 220



Control panel for central control of emergency exits

AREAS OF APPLICATION

- Central monitoring and control of individual emergency exits or groups
- Use in small and medium-sized buildings with up to max. 20 doors

PRODUCT FEATURES

- Wall panel with key switch to lock and protect against unauthorised access
- Display of alarm or door state
- Central display and control of GEZE systems and third-party products
- Manipulation or unauthorised opening of doors can be identified immediately and followed up
- Modular design: master and slave panel(s) with divided tasks control/display, can be expanded easily

ORDER INFORMATION

Designation	Version	ID no.
TE 220 control panel	grey	098283

GEZE Cockpit



Modular building automation system for using different software applications in building automation or BACnet IP integration in other systems

AREAS OF APPLICATION

- Networking of door and window technology with smart software and open interfaces
- Building automation of GEZE products
- BACnet IP integration in building management systems
- Connection of CAN bus-compatible GEZE products via 1 bus line
- Connection of CAN bus-compatible GEZE products via several bus lines
- Connection of non-bus compatible GEZE products or foreign components with GEZE IO 420 interface module
- Connection of CAN bus-compatible GEZE products via GEZE IO 420 interface module
- Connection of smoke and heat extraction systems from GEZE via IO 420 MBZ interface module

PRODUCT FEATURES

- Modular building automation system
- BACnet Standardized Device Profile B-BC (BACnet Building Controller)
- Visualisation, operation and monitoring of connected GEZE products
- Browser applications for versatile applications in building operations can be separately licensed
- Connection option for different bus lines for flexible building planning and scalability
- Powerful hardware for installation in control cabinets (top hat rail mounting)
- GEZE BASIC configuration software
- GEZE VISU app for the visualisation and operation of GEZE products
- GEZE VISU+ app for additional alarms, monitoring and e-mail notification service
- Multi-client capable system for depicting a wide variety of building and user structures
- Activation of different connections via licensable protocol adapter (max. 3 per hardware)

ORDER INFORMATION

Designation	ID no.
GEZE Cockpit in top hat rail housing BACnet Building Controller for connection of up to 62 BUS devices via BACnet MS/TP	167295
GEZE Cockpit VISU licence Software application for the operation and visualisation of doors, windows and Safety technology	167982
GEZE Cockpit VISU+ licence Software application for the creation of individual notification of alarms and monitoring of product-specific parameters Note: only in connection with GEZE Cockpit VISU	167983

Network components

IO 420 INTERFACE MODULE



Area of application

- Standardised networking of all GEZE automation solutions from door, window and safety technology
- Integration of GEZE products into the building management system (BMS)

Product features

- Straightforward connection of GEZE products to the GEZE Cockpit
- Visualisation and activation of GEZE products via BMS systems or GEZE Cockpit
- Measurability and evaluation of all activities from door, window and safety technology
- Connection of other components possible at any time
- MS/TP interface
- BACnet device profile B-ASC

TECHNICAL DATA

	IO 420 interface module
Dimensions	107 x 111 x 59 mm
Temperature range	-20 °C...+80 °C
IP rating	IP20
Supply voltage	24 V DC +/-15%
Type of installation	Top hat rail mounting
Current consumption	200 mA with 24 V
Inputs	4
Potential-free outputs	4
RJ45 BACnet IP	yes
RS 485 BACnet/MSTP	yes
Division units	6 division units
Conform to EN 13637	yes

CAN INTERFACE GALVANICALLY ISOLATED

**Area of application**

- Automatic
- GEZE building system
- CAN bus connection of a product to GEZE IO 420 interface module

Product features

- Detachable connection

TECHNICAL DATA

	CAN interface galvanically isolated
Dimensions	55 x 25 x 22 mm
Type of installation	can be plugged onto DCU control units
Statements of approval	EMC 2014/30/EU

BUS REPEATER

Areas of application

- Networked GEZE emergency exit systems

Product features

- For extending the bus length by a further 900 m
- For installation on standard carrier rails
- Several repeaters and carrier rail connectors are needed for implementing star and tree structures

TECHNICAL DATA

	BUS repeater
Dimensions	35.2 x 66 x 102.6 mm
IP rating	IP20
Type of installation	Top hat rail mounting
Supply voltage	10 – 32 V DC
Current consumption	80 mA (at 24 V DC)

ORDER INFORMATION

Designation	ID no.
KL 220 AP clamping box	087262
IO 420 interface module	158313
BACnet module for building automation	
CAN interface galvanically isolated	119952
CAN extension module for automatic sliding door, revolving door and swing door drives	
BUS repeater	142499

We are GEZE.

For liveable buildings

GEZE stands for innovation, high quality and comprehensive support of building technologies. From the initial idea, planning and operational implementation with standard products to customised system solutions and individual service and maintenance plans. We offer an extensive product range of door, window and safety technology products and are a major driving force behind the digital networking of building automation.

GEZE GmbH

Reinhold-Vöster-Strasse 21 – 29
71229 Leonberg
Germany

Phone: +49 7152 203 0

Fax: +49 7152 203 310

E-Mail: info.de@geze.com

www.geze.com