



Emergency exit systems

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| APPLICATION | TZ 320 Standard | TZ 320 Comfort with IO 420 extension module |
|---|-----------------|--|
| 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 BMS via myGEZE Control | | ● |
| 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 freely configurable outputs. There are two outputs available on the TZ 320. If more outputs are required, the TZ 320 Comfort with IO 420 extension module 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 320



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 extension module
- Illuminated emergency exit sign improves visibility
- Integrated power supply offers additional flexibility
- Integrated key switch enables authorised passing through the emergency exit

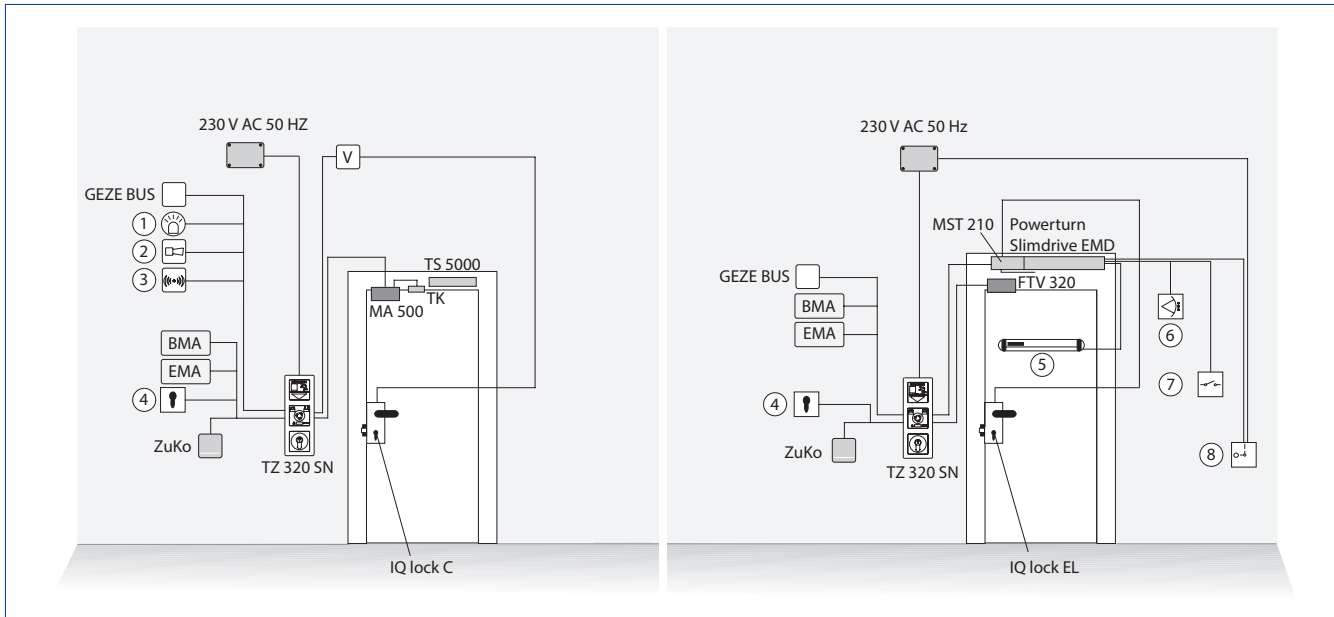
CONNECTIVITY POSSIBLE FOR DOOR CONTROL UNITS – TZ 320 SERIES

Connectivity – 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 due to the integrated bus function. Messages can be visualised on a tableau or PC 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 |
|---|--|----------------------------|
| Width | 81 mm | 77 mm |
| Height | 223 mm | 197 mm |
| Depth | in flush-mounted sockets 62 mm deep | 88 mm |
| Acoustic signal | 75 dB | 75 dB |
| Number of outputs | 2 | 2 |
| Number of inputs | 3 | 3 |
| Illuminated | yes | yes |
| Operating voltage | 24 V DC | 24 V DC |
| Contact current capacity | 30 V / 1 A | 30 V / 1 A |
| With ribbon cable | yes | yes |
| Type of installation | Flush-mounted | Surface-mounted |
| Emergency push button | yes | yes |
| Visual display | yes | yes |
| Parameter setting | ST 220 service terminal | ST 220 service terminal |
| Sabotage contact | yes | yes |
| IP rating | IP30 | IP30 |
| Current consumption | 130 mA | 130 mA |
| Power supply for external devices (24 V DC) | 600 mA | 650 mA |
| Service temperature | -10 °C...+55 °C | -10 °C...+55 °C |
| Supply voltage | 230 V | 230 V |
| Delayed emergency push button | no | no |
| Cylinder type | Euro profile half cylinder | Euro profile half cylinder |
| Conform to EN 13637 | 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 an emergency

In case of an 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

Due 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 myGEZE Control.

Bus functions

Burglar alarm systems (EMA), 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 due 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 extension 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
- Extension of the digital inputs and outputs via IO 420 extension module
- Connection to BACnet IP via myGEZE Control

ORDER INFORMATION

| Designation | Switch programme | Version | ID no. |
|---|------------------|-----------------|--------|
| TZ 320 BSN door control unit, flush-mounted, EN 13637 Consisting of: a control unit with emergency push button, key switch with Euro profile half cylinder. Emergency exit sign, illuminated, power supply 24 V DC | Jung AS 500 | white | 193509 |
| | Jung LS 990 | stainless steel | 193510 |
| | Gira E2 | anthracite | 193511 |
| | Gira E2 | pure white matt | 193542 |
| TZ 320 BSN door control unit, surface-mounted , EN 13637 Consisting of: a control unit with emergency push button, key switch with Euro profile half cylinder. Emergency exit sign, illuminated, power supply 24 V DC | | white aluminium | 193546 |
| | | green | 193545 |
| TZ 320 BS door control unit, surface-mounted, EN 13637 Consisting of: control unit with emergency push button, key switch with Euro profile half cylinder, illuminated emergency exit sign, operating voltage 24 V DC | | white aluminium | 193544 |
| | | green | 193543 |
| 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-mounted, EN 13637, Gira E2 pure white matt (193542)



TZ 320 BSN door control unit, flush-mounted, 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-mounted, EN 13637 (193545), TZ 320 BS door control unit, surface-mounted, EN 13637 (193543)



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



TZ 320 UP control unit (129586)

TZ 320 – stainless steel



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 bidirectional 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 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 expanded using the IO 420 extension module
- Integrated power supply offers additional flexibility
- Integrated key switch enables authorised passing through the emergency exit
- Robust and attractive stainless steel housing
- Backlighting with LED backlight possible
- Installation in stainless steel box

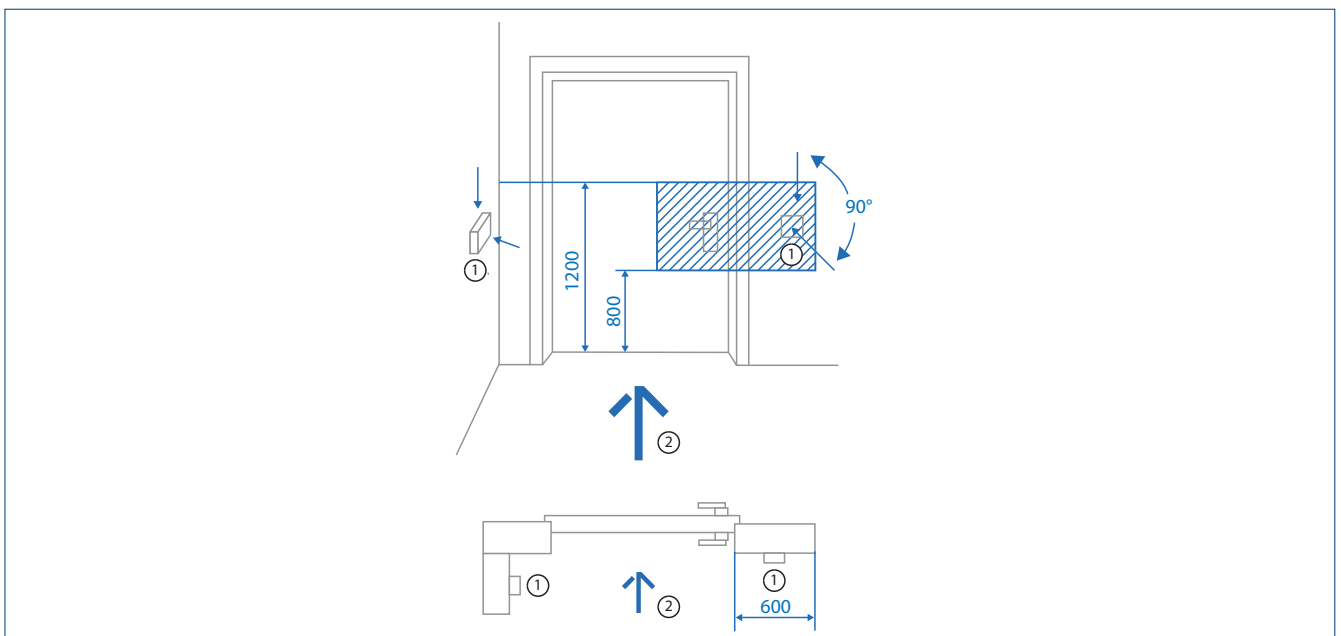
CONNECTIVITY POSSIBLE FOR DOOR CONTROL UNITS – TZ 320 STAINLESS STEEL SERIES

The design version of the TZ 320 is covered in high quality stainless steel. Because of this, it is particularly stable and offers increased protection against vandalism. The integrated sabotage protection is triggered once the front plate is removed. The identical designs of the surface-mounted and flush-mounted front plates make the two variants look almost identical. A distinction can only be established on the basis of the somewhat larger dimensions. This makes it possible to have a standardised look throughout a building. These door control units can be equipped with a “backlight” LED display. The LEDs can signal different functions, such as door closed (red) or door open (green), as well as LEDs continuous (green) or alarm (red).

TECHNICAL DATA

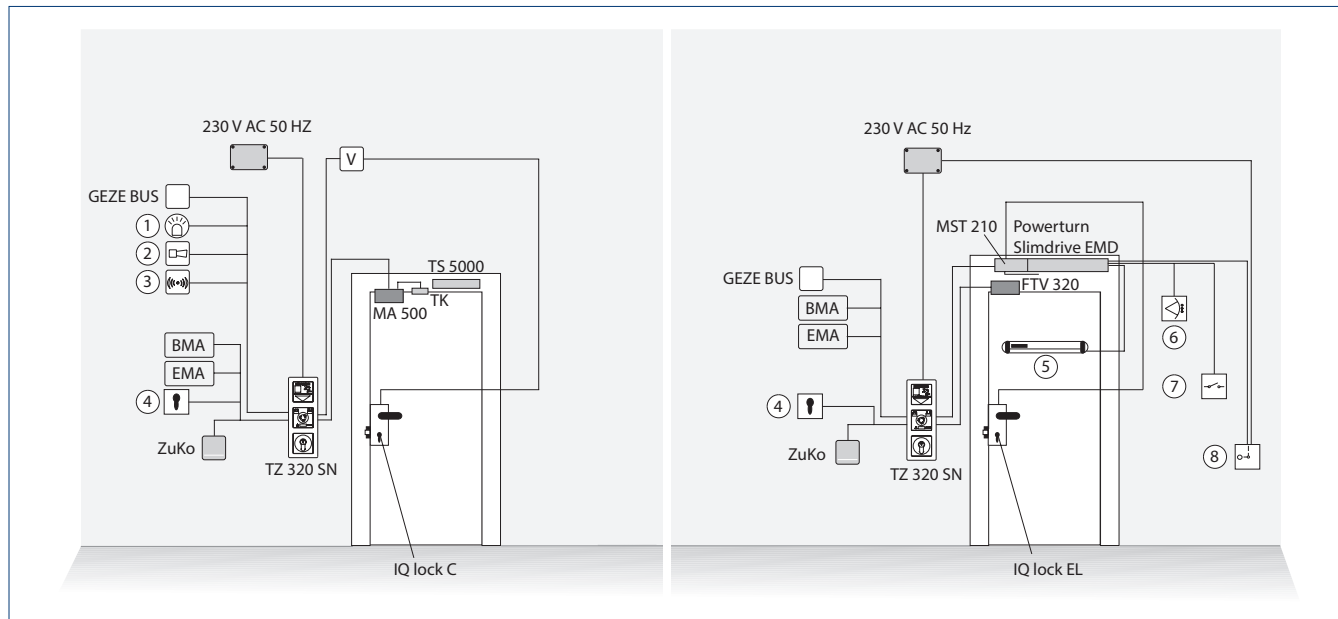
| | TZ 320 BSN stainless steel, flush-mounted socket set EN 13637 | TZ 320 BSN stainless steel, flush-mounted socket set EN 13637 | TZ 320 BSN stainless steel, surface-mounted set EN 13637 |
|--|--|--|---|
| Width | 98 mm | 98 mm | 78 mm |
| Height | 260 mm | 260 mm | 240 mm |
| Depth | 11,5 mm | 70 mm | 70 mm |
| Acoustic signal | 75 db | 75 db | 75 db |
| Number of outputs | 2 pcs. | 2 pcs. | 2 pcs. |
| Number of inputs | 3 pcs. | 3 pcs. | 3 pcs. |
| Illuminated | no | no | no |
| Operating voltage | 24 V DC | 24 V DC | 24 V DC |
| Contact current capacity | 30 V / 1 A | 30 V / 1 A | 30 V / 1 A |
| With ribbon cable | yes | yes | yes |
| Type of installation | flush-mounted | flush-mounted | surface-mounted |
| 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 </td |
| Power supply for external devices (24 V DC) | 950 mA | 950 mA | 950 mA |
| Supply voltage | 230 V | 230 V | 230 V |
| Service temperature | -10 – 55 °C | -10 – 55 °C | -10 – 55 °C |
| Cylinder type | Euro profile half cylinder | Euro profile half cylinder | Euro profile half cylinder |
| Conform to EN 13637 | yes | yes | yes |

POSITION OF THE DOOR CONTROL UNIT ACCORDING TO EN 13637



1 = emergency push button | 2 = direction of escape

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 someone wants to pass through the door 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 an emergency

In case of an 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

Due 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 myGEZE Control.

Bus functions

Burglar alarm systems (EMA), fire detector 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 of the fire alarm system signal is not permitted for 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-term release is executed at the TZ 320 at the same time.

The variant with IQ lock EL, the self-locking motor lock combined with swing door drive, offers increased ease of access due 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 or the IO 420 extension module must be used. If, for example, alarm signals are needed 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
- External key switch SCT 220, SCT 222, SCT 320
- 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 IP via my GEZE Control

ORDER INFORMATION

| Designation | Version | ID no. |
|---|----------------------------------|------------------|
| TZ 320 BSN door control unit stainless steel, surface-mounted set, EN 13637 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-mounted 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 | stainless steel | 193506 |
| TZ 320 BSN door control unit stainless steel, flush-mounted set, EN 13637 Consisting of: stainless steel front plate flush-mounted, 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 | stainless steel | 193507 |
| TZ 320 BSN stainless steel door control unit, flush-mounted socket 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 | surface-mounted flush-mounted | 155016 155017 |
| Stainless steel front plate, standard EN 13637 Incl. Makrolon panel with pre-mounted emergency exit sign | surface-mounted flush-mounted | 193550 193552 |
| Stainless steel front plate RFID, EN 13637 With recess for RFID reader, incl. Makrolon panel with pre-mounted emergency exit sign | surface-mounted flush-mounted | 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 |
| ACCESSORIES | | |
| Spacer frame for stainless steel housing surface-mounted For installation of the door control unit with surface-mounted stainless steel housing | | 158696 |
| Spacer frame for stainless steel housing surface-mounted For installation of the door control unit with flush-mounted stainless steel front plate in standard flush-mounted sockets | | 155030 |
| LED-Backlight, GN/RD For optical backlighting of the stainless steel front plate | | 155031 |
| SCT design adhesive frame, rectangular/round For attachment around the Euro profile cylinder recess on the front plate. | | 155034 |
| Accessories mains connection Strain relief of the cables, earthing of the V2A housing Connection of the power supply circuit through Wago connector | | 155035 |

Products



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



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



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



TZ 32x stainless steel housing
surface-mounted (155016)



TZ 32x stainless steel housing
flush-mounted (155017)



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



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



TZ 320 UP control unit
(129586)

T 320 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

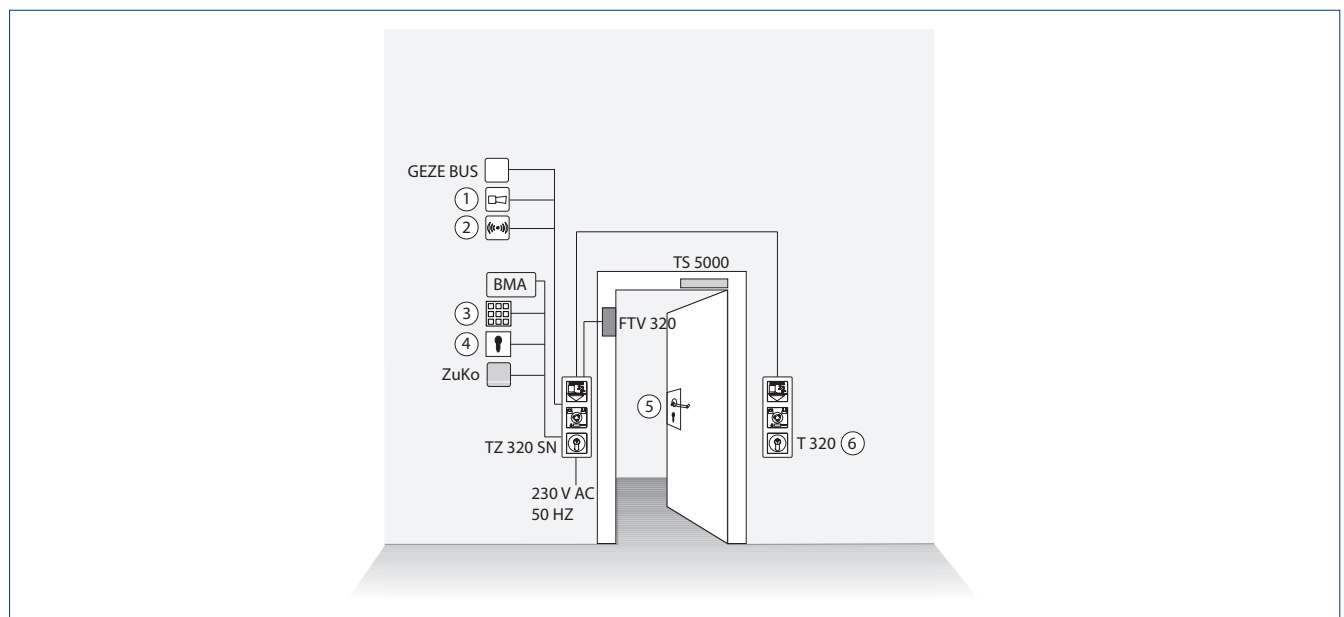
TERMINAL FOR BI-DIRECTIONAL ESCAPE ROUTES – T 320 SERIES

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 sockets 62 mm deep |
| With ribbon cable | yes | yes |
| Type of installation | Surface-mounted | Flush-mounted |
| 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 an 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 (No complete flush-mounted set available, assembled of individual components) | | 140999 |

Products



T 320 AP control unit
(193547)



T 320 AP control unit
(193548)



T 320 UP control unit
(140999)



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, due 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

- 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

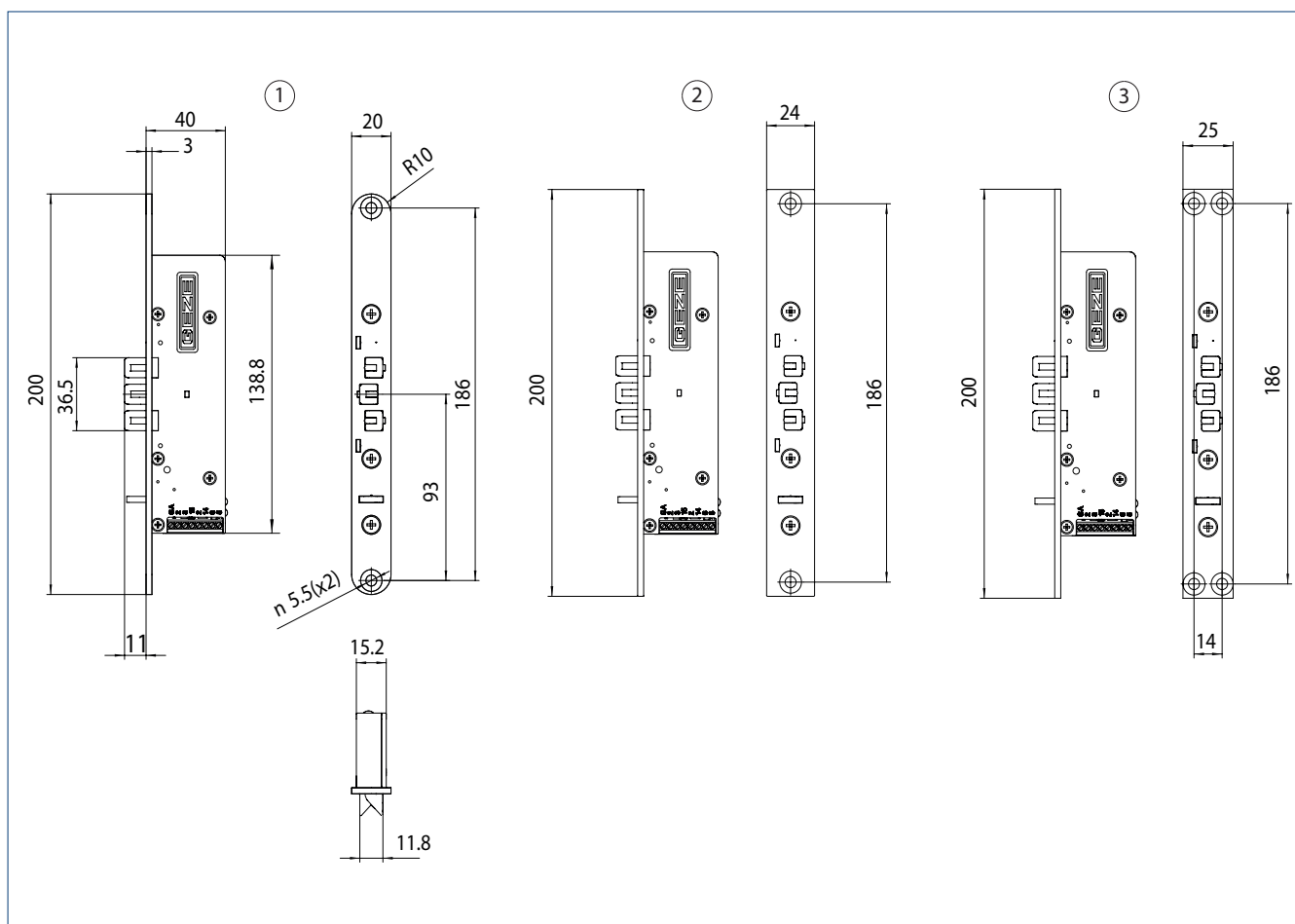
PRODUCT FEATURES

- 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 EN 13637 | yes |

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

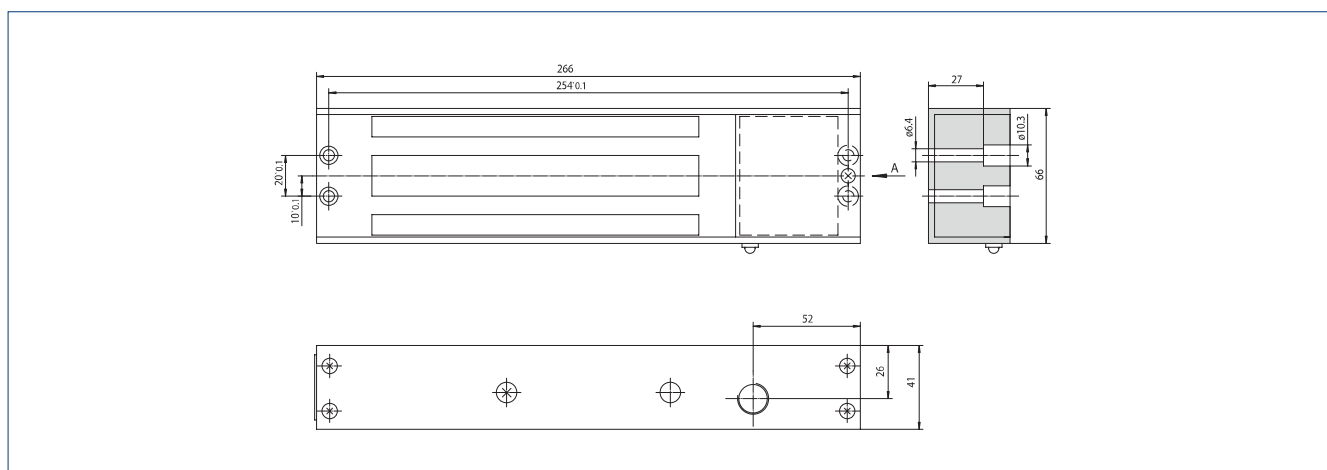
PRODUCT FEATURES

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

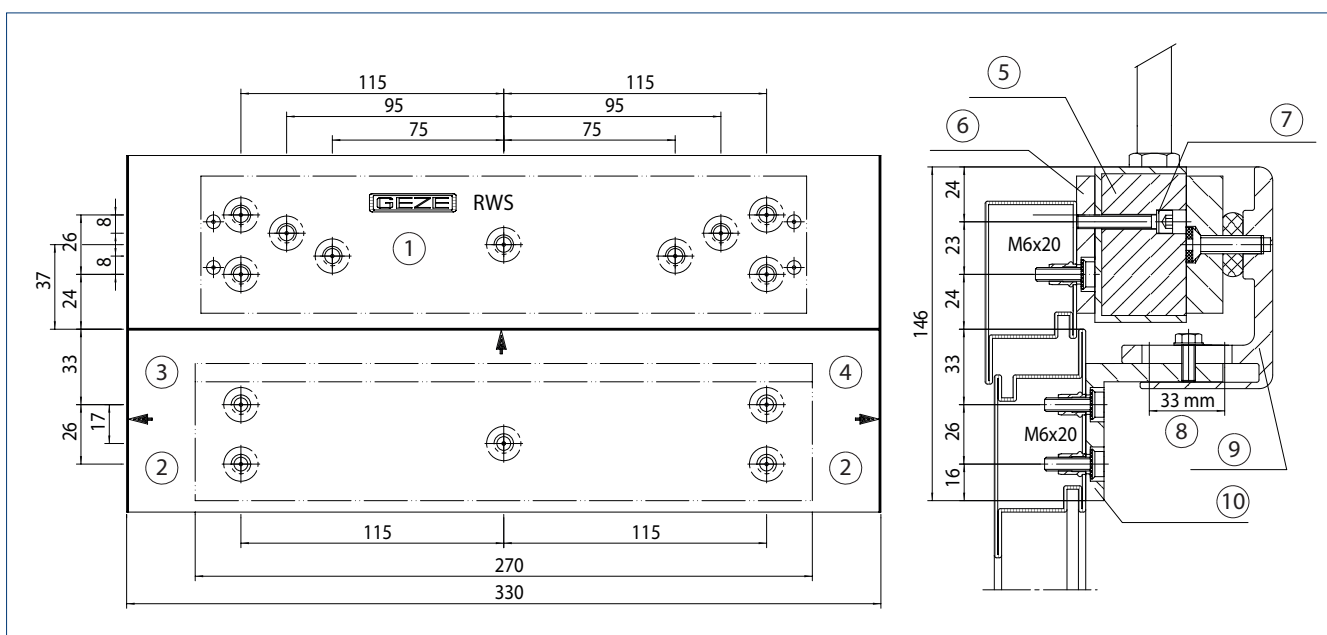
TECHNICAL DATA

| | 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

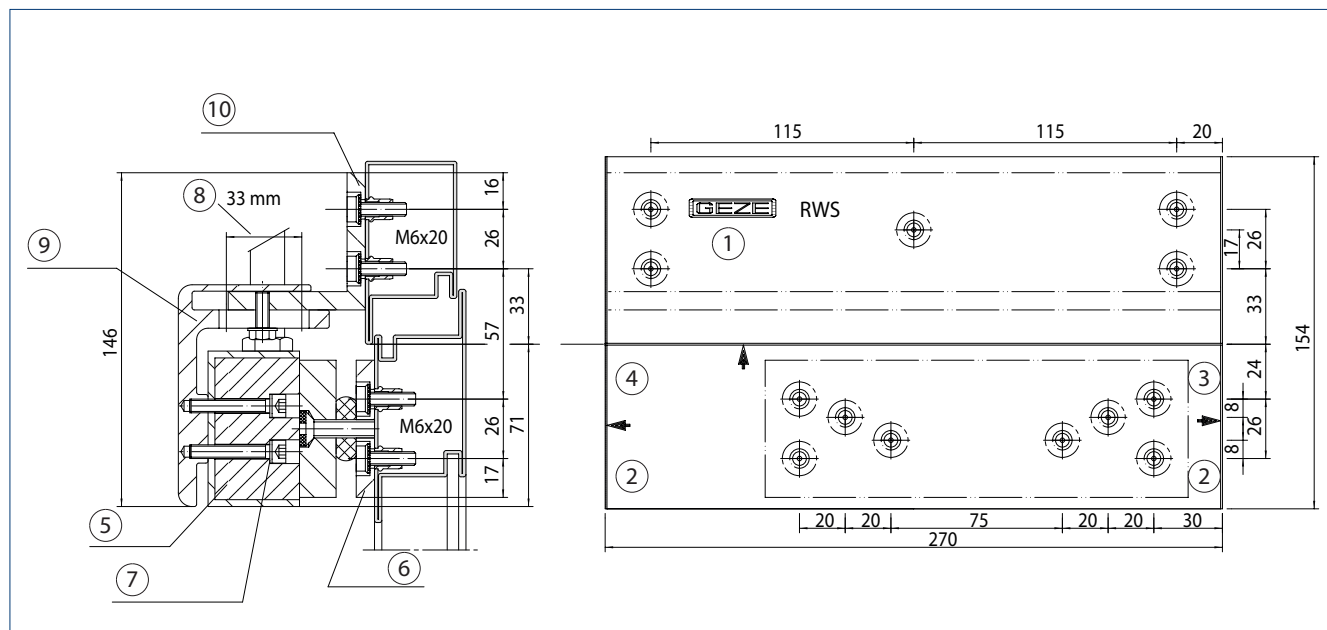


INSTALLATION SET MA 500, HINGE SIDE



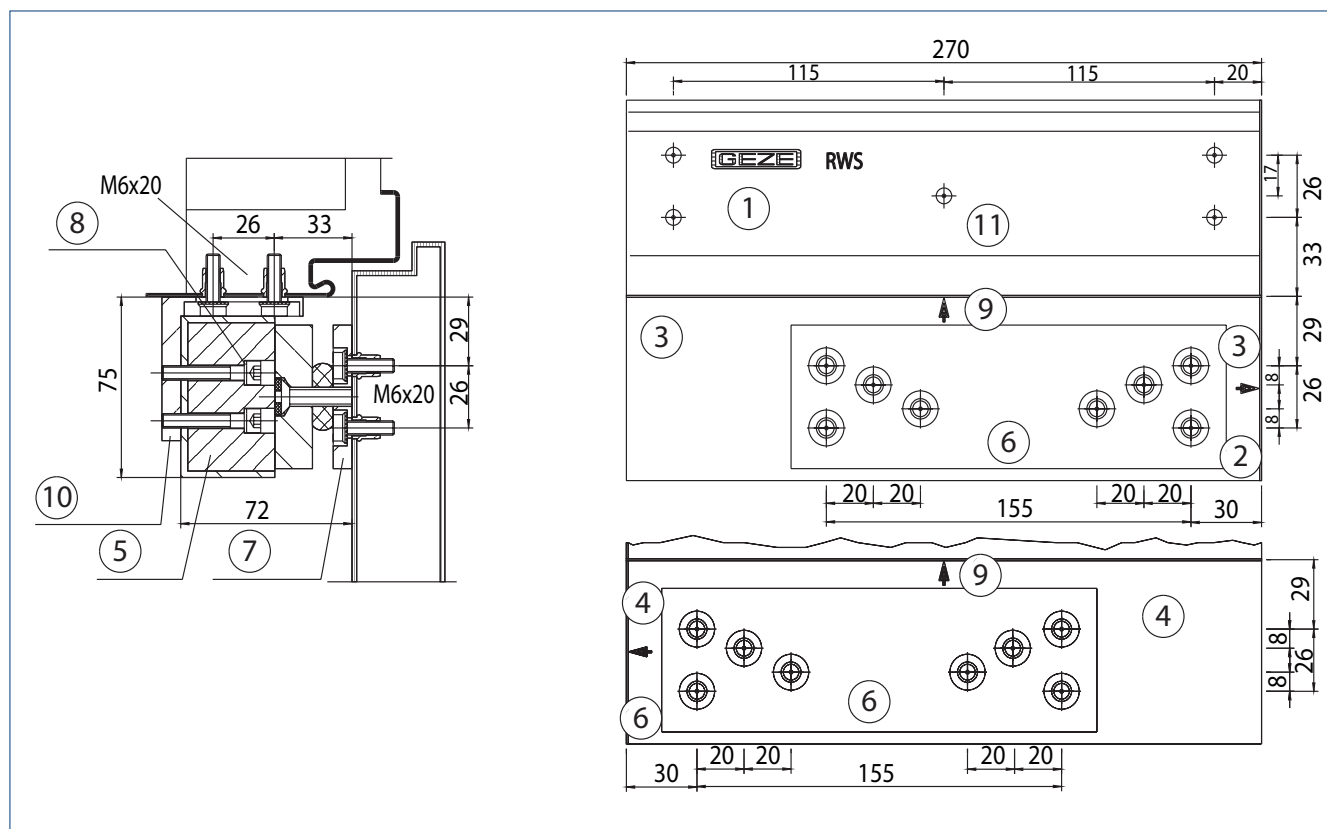
1 = drilling template hinge side | 2 = door edge lock side | 3 = door DIN right | 4 = door DIN left | 5 = magnet with counterplate | 6 = mounting plate | 7 = lock washer | 8 = adjusting path | 9 = installation bracket | 10 = mounting bracket

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 an individually tailored solution package.



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 transmission 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-mounted/flush-mounted | ● |
| 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 transmission 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 an 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. 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-mounted | 3 = FTV 320 escape door lock | 4 = T 320 terminal surface- or flush-mounted

SYSTEM COMPONENTS

| | |
|--|---|
| TZ 320 SN door control unit, surface-mounted/flush-mounted | ● |
| T 320 terminal surface- or flush-mounted | ● |
| 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 IP via myGEZE Control |

● = 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 an 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

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 | ● |

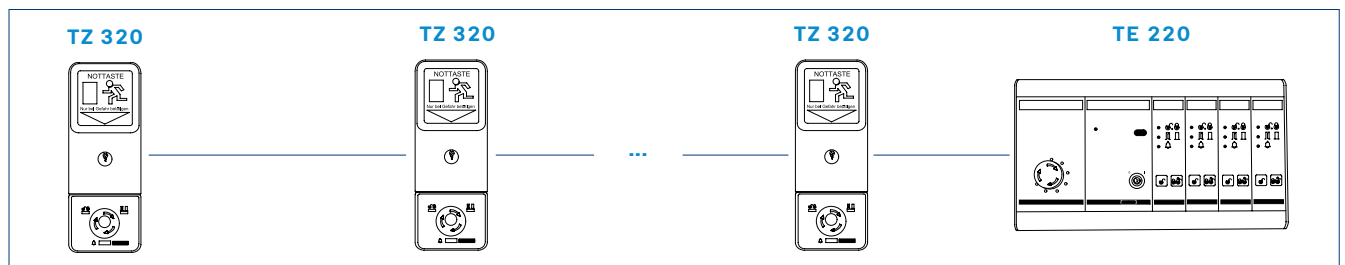
OPTIONAL COMPONENTS

| |
|--|
| 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-time 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-time 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 = myGEZE Control | 8 = Visualisation / building management system | 9 = Visualisation / building management system on touchscreen (optional)

SYSTEM COMPONENTS

| | |
|---|---|
| TE 220 control panel | ● |
| TZ 320 door control unit | ● |
| FTV 320 escape door lock | ● |
| myGEZE Control + visualisation / building management system | ● |
| TS 4000 / TS 5000 door closer | ● |

OPTIONAL COMPONENTS

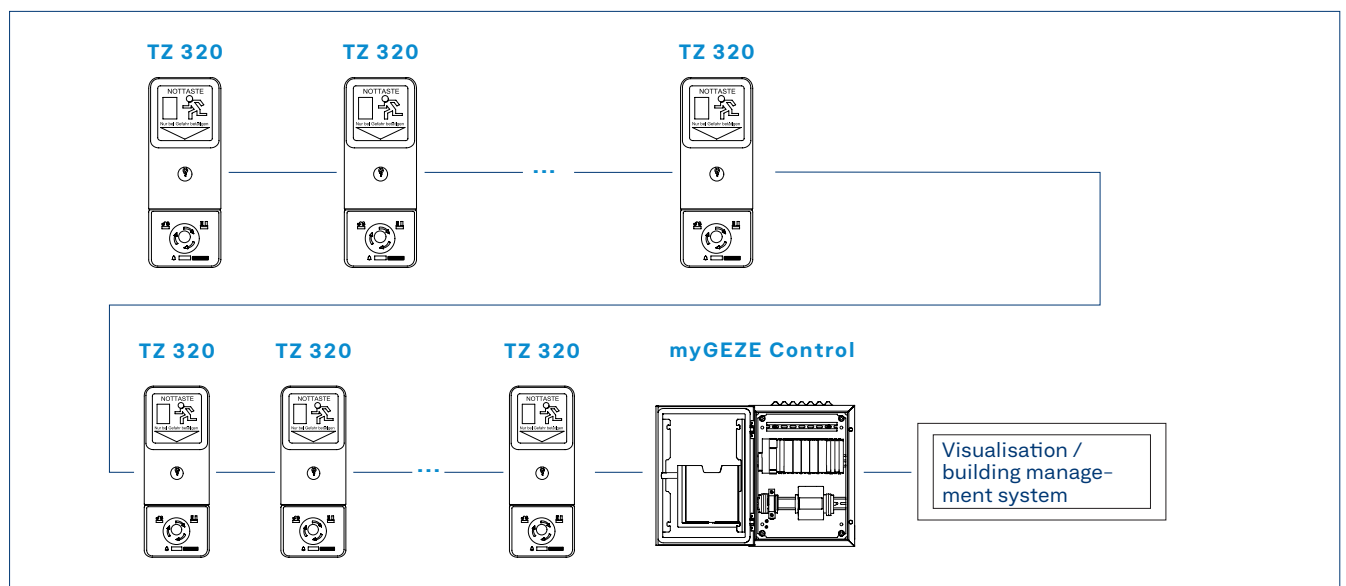
Repeater for extending the bus topology

● = 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.



Visualisation

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

Control

The components can be "permanently unlocked", "locked" and "short-time 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 | | |

Central control

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 altogether up to 63 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-mounted, 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 transmits 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 an emergency

The door can be released in case of an 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 |
| Material | Plastic |
| Switching voltage | 24 V DC |
| Switching current | 1 A |

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 |
| 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 due 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 or flush-mounted |
| 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. |
|---|----------------------|-----------------|--------|
| SCT 320 key switch | Flush-mounted | alpine white | 131984 |
| Two-sided switching operation, with Euro profile half cylinder and three keys | Flush-mounted | pure white matt | 130370 |
| Frame available separately. | Flush-mounted | anthracite | 132278 |
| SCT 221 key switch | Flush-mounted | silver-coloured | 054240 |
| Single-sided switching operation, without Euro profile half cylinder | Surface-mounted | silver-coloured | 054532 |
| SCT 220 key switch, Jung LS 990 | Flush-mounted | stainless steel | 094170 |
| Two-sided switching operation, with Euro profile half cylinder and three keys | | | |
| SCT 220 key switch, GIRA E2 | Flush-mounted | pure white matt | 094012 |
| Two-sided switching operation, with Euro profile half cylinder and three keys | | | |
| SCT 222 key switch with LEDs | Surface-mounted | silver-coloured | 100065 |
| Two-sided switching operation, with Euro profile half cylinder and three keys | Flush-mounted | silver-coloured | 100064 |
| Key switch stay-put without Euro profile half cylinder | Flush-mounted | 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 or flush-mounted |
| 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 due 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-mounted |
| 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 |
| 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

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 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. |
|---------------------------------------|---------|--------|
| NT 1.1 A-24 V UP power supply | black | 151426 |
| NT 24-1.3 A - 24 V DC power supply | grey | 078401 |
| NT 1.5 A-24 V HS power supply | black | 151425 |
| NT 2.5 A-24 V HS power supply | black | 151424 |
| NT 6.25 A-24 V HS power supply | 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-MOUNTED**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-mounted |
|------------------------|--|
| 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 due 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 due 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 due 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 due to high IP rating
- Designed for installation in 55-type flush-mounted ranges
- Can be mounted in flush-mounted sockets 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 sockets 62.5 mm deep |
| Switch programme | Jung AS 500, alpine white |

ORDER INFORMATION

| Designation | Version | ID no. |
|--|--------------|--------|
| SLE 220 indicator lamp flush-mounted | green | 115936 |
| | red | 115934 |
| SLE 220 indicator lamp surface-mounted | 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 |

myGEZE Control connectivity platform



Controller system as maximum system expansion with GEZE CAN bus, I/O technology and KNX to connect all GEZE products and third-party products.

SYSTEM CONSISTING OF

- Basic device
- 10x 8-channel digital input terminal
- Potential distribution terminals 24 V DC
- Power supply terminal
- 10x output terminals 2-channel-relay
- 10x output terminals 4-channel-relay
- 5x CAN-master terminal + CAN-connector
- E-bus coupler
- 2x terminal KNX/EIB
- Bus end terminal

AREAS OF APPLICATION

- BACnet IP integration in building management systems
- Networking of GEZE products that can be connected with CAN bus technology
- Networking of non BUS capable components via digital input and output terminals
- Networking of KNX capable GEZE window drives in the building management system
- Products suitable for emergency exit systems: TZ 320, TZ 321 and TZ 322
- Products suitable for automatic door drives: Slimdrive, Powerturn, TSA 325 NT and Revo.PRIME
- Products suitable for smoke and heat extraction systems: MBZ 300 in different versions
- Products suitable for window systems: Slimchain, Powerchain, F 1200+ and locking systems
- For products with I/O technology like GEZE hold-open systems and third-party products

PRODUCT FEATURES

- System is also available without CAN master terminals and digital input and output terminals
- Maximum system expansion for one control unit, which allows for the connection of up to 200 product systems from the entire product portfolio
- Comprehensive, project-specific configuration according to user specifications possible (system designation, comment texts, status texts)
- Time function and grouped switching commands configurable via scene applications
- BACnet alarm concept integrated, can be adjusted to customer-specific requirements

PRODUCT FEATURES

| | |
|--|---|
| myGEZE Control with GEZE CAN bus, I/O technology and KNX | Controller system to connect GEZE CAN products and non bus-capable components as well as KNX/EIB components |
| myGEZE Control with GEZE CAN bus and I/O technology k | Controller system to connect GEZE CAN products and non bus-capable components to the GEZE building system |
| myGEZE Control with GEZE CAN bus, | Control unit system for smaller applications to connect the GEZE CAN products over multiple bus lines |

BASIC DEVICE

| | |
|-----------------------------|---|
| myGEZE Control basic device | Powerful embedded PC for top hat rail mounting with integrated BACnet communication |
|-----------------------------|---|

TERMINALS

| | |
|--|--|
| myGEZE Control CAN master terminal | Master in terminal system for integration of the GEZE CAN devices over multiple bus lines |
| myGEZE Control 8-channel digital input terminal | Digital input terminal with eight inputs to detect binary control signals from the process level |
| myGEZE Control output terminal 2-channel relay | Digital output terminal with two potential-free relay outputs and one change-over contact for each |
| myGEZE Control output terminal 4-channel relay | Digital output terminal with four potential-free relay outputs and one single contact for each |
| myGEZE Control potential distribution terminal 24 V DC | Potential distribution provides 16 terminal points with a 24 V DC potential |
| myGEZE Control potential distribution terminal 0 V DC | Potential distribution provides 16 terminal points with a 0 V DC potential |
| myGEZE Control power supply terminal | To refresh the E-bus via data exchange between the basic controller and terminals |
| myGEZE Control terminal KNX/EIB | EIB/KNX bus terminal for connection to the KNX/EIB network |
| myGEZE Control bus end terminal | For data exchange between the bus coupler and bus terminal |

COUPLERS

| | |
|------------------------------|--|
| myGEZE Control E-bus coupler | Connects terminal system and serves to install detached coupling stations (distribution box) |
|------------------------------|--|

CONNECTORS

| | |
|------------------------------|--|
| myGEZE Control CAN connector | Connector in the housing for use with the myGEZE Control CAN master terminal |
|------------------------------|--|

COVERS

| | |
|------------------------------|-----------------------------|
| myGEZE Control bus end cover | To cover the E-bus contacts |
|------------------------------|-----------------------------|

Network components

IO 420 EXTENSION MODULE



Area of application

- Module to expand the digital inputs and outputs on the TZ 320

Product features

- Plastic top-hat rail housing for installation in the control cabinet or suspended ceiling
- Four integrated relays, each with a potential-free changeover contact for carrying out switching functions
- Four integrated inputs for the release of switching functions and/or the placement of messages
- Connection between the interface modules via RS 485 interface in line topology

TECHNICAL DATA

| | IO 420 extension module |
|---------------------|--|
| Dimensions | 107 x 111 x 59 mm |
| Service temperature | -20 °C...+80 °C |
| Operating voltage | 24 V DC |
| LEDs | 1 (red), 2 (yellow), 3 (red), 4 (green), 5 (green), 6 (yellow), in (green), out (red) |
| Interfaces | GEZE bus 4 inputs 4 outputs DIP switch GEZE bus terminating resistor 120 Ohm Micro SD card FAT16/32 file format for setting parameters and changing settings via PC Reset button to reset factory settings |

CAN INTERFACE GALVANICALLY ISOLATED

**Area of application**

- Automatic
- GEZE building system
- CAN bus connection of a product to myGEZE Control

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. |
|--|--------|
| CAN interface galvanically isolated CAN extension module for automatic sliding door, revolving door and swing door drives | 119952 |
| 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.

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