|  |  |
| --- | --- |
|  | ......................... pcs. .............................. € .............................. €  **GEZE TZ 320 for bidirectional escape route with Terminal T 320**  for securing a door along escape and rescue routes with electrical locking mechanism in compliance with EltVTR (German directive for electrical locking systems on escape route doors) and EN 13637. Suitable for connection to swing door drives, motor locks, fire alarm systems, burglar alarm systems as well as for forwarding alarm messages to the building management system etc.  System comprising: |
|  | ......................... pcs. .............................. € .............................. €  **GEZE TZ 320 door control unit in bus technology**  With integrated control unit, tested, certified, and monitored according to the EltVTR (German directive for electrical locking systems on escape route doors) and EN 13637.  **Equipment:**  • Control unit with illuminated emergency push button  LED displays for the following operating states:  - Door locked/unlocked/short-term released  - Door open/closed  - Alarm, pre-alarm, fault  Coloured terminals to distinguish connections for the peripherals.  Large-surface barrier-free impact cover with sabotage protection.  Integrated weekly timer as well as automatic storage of the operating state and user data after power failures up to 24h.  3 programmable inputs, 2 programmable outputs  • Integrated emergency push button information label, not illuminated  **Connections:**  • 3 programmable inputs  for connection of timer, fire alarm system, burglar alarm system, access control, locks with cylinder contact etc.  Function: High active, low active and disable can be chosen per state  • 2 programmable outputs  for connection of swing door drive, motor lock, lever lock, additional electric strike, visual or acoustic alarm indication etc.  Function: Normally closed, normally open and disable can be chosen per state  • Input for indirect activation through external emergency push buttons  • Input for external key switch for control of modes of operation  • Input for feedback of the door mode  • Input for feedback of the locking status  • Prepared for networking with myGEZE Control  **Functions:**  • Abort and retriggering in combination with short-term release  • Combination with GEZE swing door drives possible without additional components  • • Integration into building management systems possible for central monitoring and control via myGEZE Control  • Decentralised control and visualisation possible with TE 220 panel  • Burglar alarm system and fire alarm system signals as well as timer can be forwarded via GEZE BUS to all devices in a bus line. 5 groups each are possible. Forwarding of the signal of the fire alarm system via GEZE BUS not permitted in accordance with EN 13637.  • Integrated interlocking door system function (active, passive and combined). 10 groups possible  • Integrated buzzer for acoustic signalling during alarms and pre-alarm  • Integrated weekly timer  • Alarm memory with date and time  • Automatic storage of operating state and user data after  power failures for up to 24 hours.  **Version:**  ( ) Emergency push button information label  ( ) Design in accordance with EltVTR  ( ) Design in accordance with EN 13637 (note: an additional notice sign is required according to the EltVTR on doors with requirements under EN 13637 and the EltVTR).  ( ) Lighting for the integrated emergency push button information label  ( ) Key switch with 2 switch contacts incl. Euro profile half cylinder for setting the functions short-time release, permanent unlocking, locking and alarm reset  ( ) Integrated power supply  Mains voltage 230 V AC,  Operating voltage 24 V DC  Output current max. 600 mA (with control units in accordance with EltVTR)  Output current max. 650 mA (for PVC surface-mounted control units in accordance with EltVTR)  Output current max. 1 A (for control units in accordance with EN 13637  ( ) Surface-mounted installation:  Plastic housing, dimensions (W x H x D): 77x197x 90 mm  ( ) Colour similar to RAL 6032 (green)  ( ) Colour: white aluminium  Stainless steel housing  Housing, dimensions (W x H x D): 78 x 240 x 68.5 mm  Front plate, dimensions (W x H x D): 78 x 240 x 1.5 mm  ( ) Stainless steel V2A, brushed  ( ) With LED backlight red/green to indicate system statuses by means of backlighting  ( ) Flush-mounted installation:  Switch programme, dimensions (W x H x D): Triple frame 81 x 223 x 62.5 mm  ( ) AS500 in alpine white by Jung  ( ) LS990 in stainless steel by Jung  ( ) LS990 in alpine white by Jung  ( ) E2 in pure white by Gira  ( ) E2 in anthracite by Gira  Stainless steel in flush-mounted box  Housing, dimensions (W x H x D): 77 x 239 x 68.5 mm  Front plate, dimensions (W x H x D): 98 x 260 x 1.5 mm  ( ) Stainless steel, brushed  ( ) With LED backlight red/green to indicate system statuses by means of backlighting  Stainless steel in flush-mounted boxes  Front plate, dimensions (W x H x D): 98 x 260 x 1.5 mm  Spacer frame, dimensions (W x H x D): 98 x 260 x 10 mm  Installation of the individual components (control unit, key switch, power supply) in deep standard flush-mounted boxes  ( ) Front plate in brushed stainless steel, acrylic white spacer frame  ( ) With LED backlight red/green to indicate system statuses by means of backlighting  **Use for doors:**  ( ) single leaf  ( ) double leaf |
|  | ......................... pcs. .............................. € .............................. €  **GEZE T 320 Terminal**  for parallel operation and display of TZ 32x door control units for bidirectional protection of an escape and rescue route.  **Features:**  • Control unit with illuminated emergency push button  LED displays for the following operating states:  - Door locked/unlocked/short-term released - Door open/closed  - Alarm, pre-alarm, fault  Large-surface barrier-free impact cover with sabotage protection.  • Integrated emergency push button information label, not illuminated  • Operating voltage 24 V DC  **Version:**  ( ) Emergency push button information label  ( ) Design in accordance with EltVTR  ( ) Design in accordance with EN 13637 (note: an additional notice sign is required according to the EltVTR on doors with requirements under EN 13637 and the EltVTR).  ( ) Lighting for the integrated emergency push button information label  ( ) Key switch with 2 switch contacts incl. Euro profile half cylinder for setting the functions short-time release, permanent unlocking, locking and alarm reset  ( ) Surface-mounted installation:  Plastic housing, dimensions (W x H x D): 77x197x 90 mm  ( ) Colour similar to RAL 6032 (green)  ( ) Colour: white aluminium  Stainless steel housing  Housing, dimensions (W x H x D): 78 x 240 x 68.5 mm  Front plate, dimensions (W x H x D): 78 x 240 x 1.5 mm  ( ) Stainless steel V2A, brushed  ( ) With LED backlight red/green to indicate system statuses by means of backlighting  ( ) Flush-mounted installation:  Switch programme, dimensions (W x H x D): Triple frame 81 x 223 x 62.5 mm  ( ) AS500 in alpine white by Jung  ( ) LS990 in stainless steel by Jung  ( ) LS990 in alpine white by Jung  ( ) E2 in pure white by Gira  ( ) E2 in anthracite by Gira  Stainless steel in flush-mounted box  Housing, dimensions (W x H x D): 77 x 239 x 68.5 mm  Front plate, dimensions (W x H x D): 98 x 260 x 1.5 mm  ( ) Stainless steel, brushed  ( ) With LED backlight red/green to indicate system statuses by means of backlighting  Stainless steel in flush-mounted boxes  Front plate, dimensions (W x H x D): 98 x 260 x 1.5 mm  Spacer frame, dimensions (W x H x D): 98 x 260 x 10 mm  Installation of the individual components (control unit, key switch) in deep standard flush-mounted boxes  ( ) Front plate in brushed stainless steel, acrylic white spacer frame  ( ) With LED backlight red/green to indicate system statuses by means of backlighting |
|  | ......................... pcs. .............................. € .............................. €  **GEZE FTV 320 escape door lock**  Electric locking mechanism for doors along escape and rescue routes according to the fail-safe principle. Guarantees reliable and immediate unlocking of the door, even with high latch preload.  With integrated feedback contact for monitoring the door mode and locking status as well as for sabotage monitoring.  High resistance against attempts to break open.  Universal application: DIN right / left, horizontal / vertical, door leaf / frame.  Face plate pre-mounted to locking element, strike plate can be ordered separately as counterpart.  Face plate and strike plate made of corrosion-resistant stainless steel.  Operating voltage: 24 V DC,  Current consumption: 100 mA in locked state  Current consumption: 240 mA briefly during locking  Service temperature: -20 / +60 °C  Suitability certificate: EltVTR (German directive for electrical locking systems on escape route doors), tested with TZ 320 in accordance with EN 13637  Resistance against breaking open: at least 5,000 N  Latch preload: at least 3,000 N  Clearance: 5 mm ± 2 mm  Dimensions: 15.2 x 138.8 x 37.7 mm (W x H x D)  **Notes:**  1) The escape door lock is mounted in addition to the existing panic lock.  2) The face plate design and the strike plate design must be specified at the time of placing the order/awarding the contract. |
|  | ......................... pcs. .............................. € .............................. €  **GEZE MA 500 holding magnet**  With counterplate for the magnetic locking of emergency exits.  Suitability certificate: EltVTR (German directive for electrical locking systems on escape route doors), tested with TZ 320 in accordance with EN 13637  Resistant against attempts to break open 5000 N,  with integrated Hall sensor for monitoring and bi-colour LED for indicating the locking status.  Rated operating voltage 24 V DC, PG9 connection,  Current consumption 250 mA,  Version: silver-coloured  To be installed only using an installation set:  ( ) on the hinge side  ( ) on the opposite hinge side  ( ) for reveal installation  with reed contact:  ( ) flat reed contact with ceiling mounting bracket  ( ) flat reed contact with cross hole and mounting base  ( ) block reed contact with mounting base for steel doors  **Note:**  The holding magnet is usually installed independent of the panic locks. |
|  | ......................... Pc. .............................. € .............................. €  **myGEZE Control building automation and control system**  in modular design, for control cabinet installation  Key features are:  Basic controller as powerful embedded PC / control unit with a switched Ethernet port that  supports the BACnet protocol. Operation without fan suitable for installation on top hat rails in closed control cabinet housings.  Connections to the device accessible on the front.  Type B-BC (BACnet Building Controller) BACnet controller  BACnet Protocol Revision 14  Depending on the number of connected fieldbus products, basic devices with different performance characteristics are used. Basic controllers are available in four system sizes.  In addition, bus terminals are connected to the basic control unit in series, and make it possible to connect fieldbus products and associated functions.  The controller system automatically detects during the startup phase which  components are connected.  This makes it possible to assemble project and object-specific constellations, which can implement the functions required in the project through configuration and the necessary licenses.  **Product: myGEZE Control hardware in top hat rail housing or equivalent, consisting of:**   * Basic controller, embedded PC / control unit * Terminal system(s) to connect GEZE TZ320 * Terminals to connect digital input or output signals based on potential-free contacts and 24 VDC relay switching outputs * Auxiliary terminals for internal potential distribution, bus supply, termination   **Software module GEZE CAN-Bus**  Option to connect TZ320 emergency exit systems with GEZE bus technology. |
|  | ......................... pcs. .............................. € .............................. €  **Planning costs**  Costs for producing cable diagrams and connection diagrams for individual projects and the preparation of functional descriptions. |
|  | ......................... Pc. .............................. € .............................. €  **myGEZE Control project planning/configuration:**  **This item includes planning and configuration of the offered networking system.**  The service includes:   * Coordination of functions and scope of service with the client * One coordination appointment / construction meeting on site with the client; further work is billed with documentation * Creation of a technical specification based on the client’s specifications in coordination with the supplier of the building management system / integrator (L-BMS). The first version and one revision are included; [00, 01]. Work beyond the first revision is billed with documentation * Creation of an internal electrical plan for the control cabinet to myGEZE Control * Project management for the controller system based on detailed coordination * Creation of the configurations for the controller system   The following services are not included:   * Building-specific door wiring diagram for individual door systems * Technical support/advising for architects outside of the actual GEZE product services, such as: reviewing on-site door lists and layout plans for electrical components (access control, intercom, intruder alarm systems) * Coordination with interface trade groups (such as electrical, burglar alarm system and access control). These can be commissioned separately as “project monitoring / coordination” |
|  | ......................... Pc. .............................. € .............................. €  **myGEZE Control project monitoring / coordination:**  **This item includes a flat rate for project management tasks required to coordinate a smooth project process. Project management tasks include, for example, reviewing preliminary work on the doors in relation to the required wiring, installation of flush-mounted sockets for instance for peripheral activation equipment.**  **In addition, this item includes coordination between GEZE/GEZE Service GmbH and the on-site installation companies.**  Definition of services:  The review of preliminary work on door systems is completed once for each door.  If the review of individual doors stretches over several days, additional flat-rate fees will be billed for travel time.  If a defect is identified, and if further reviews are required/requested during a follow-up appointment, this appointment will be billed with documentation.  Documentation:  Defect notifications are transferred to the client or, if desired, to the construction manager for coordination and tracking. The construction manager is responsible for commissioning and monitoring the product groups. The review of preliminary work is documented and reported via a door-specific construction status list and photos. |
|  | ......................... Pc. .............................. € .............................. €  **myGEZE Control commissioning and training:**  **This item includes commissioning of the product systems and training of the user / operator.**  The service includes:   * Flat rate for joint software commissioning of the product systems with the building management integrator * Functional testing and handover of the individual product systems * Review of messages and displays on the building management of the integrator * Training for the building operator and users of the building management system on the functions of GEZE product systems. Training is provided based on the different product types A type includes a group of products with the same equipment. For example, if there are a total of 20 door systems in the project and 4 different door variants, then the technical functions are explained during the training based on just 4 of the 20 door systems, which serve as examples.   Notes:  These services do not include per diem rates & flat rates for travel time.  If commissioning and training are completed on different days, another flat rate for travel time will be charged. |
|  | ......................... pcs. .............................. € .............................. €  **Installation, start-up and official approval**  Installation, start-up and official approval of the system described with instruction. |
|  | ......................... pcs. .............................. € .............................. €  **Emergency exit system maintenance service package - compact (standard)**  Service package for maintenance in accordance with EltVTR (German directive for electrical locking systems on escape route doors) and EN 13637 as well as according to manufacturer’s specifications with the following performance features:  - One maintenance per contract year  - Free provision and updating of the test documents  - Attachment of the inspection sticker  - Response time of 24 hours after the fault was reported on workdays (Monday - Friday, 7 am – 5 pm)  - Personal availability at the help desk 24 hours a day, 365 days a year  - Contract run time: 2 years. |
|  | ......................... pcs. .............................. € .............................. €  **Emergency exit system maintenance service package - comfort (optional position)**  Service package for maintenance in accordance with EltVTR (German directive for electrical locking systems on escape route doors) and EN 13637 as well as according to manufacturer’s specifications with the following performance features:  - Extension of the warranty to 36 months  (condition: the maintenance contract is concluded 3 months after the commissioning date at the latest)  - One maintenance per contract year  - Free provision and updating of the test documents  - Attachment of the inspection sticker  - No separate charging for services and travel costs during the warranty period  - No separate charging for consumables up to € 25 per maintenance  - No separate charging for working hours when spare parts are replaced during the maintenance  - Personal availability at the help desk 24 hours a day, 365 days a year  - Contract run time: 3 years. |
|  | Safety notes **The safety features of this product are regulated by EltVTR (German directive for electrical locking systems on escape route doors). Modifications and deviations require exemption from the EltVTR. The client must apply for the exemption if necessary.**  The emergency push button installed directly next to the door is the most important component of the emergency exit system. If this emergency push button is not included, the door must be activated manually from a permanently occupied desk. This always requires approval by the building authorities responsible.  After activation has been triggered, re-locking can only take place at the door itself. A respective push button (key switch) must be planned on the door for this purpose.  The emergency exit system may only be fitted to smoke and fire protection doors when proofs of application suitability for these doors include this and their specifications are heeded (EltVTR, section 5).  Installation, cabling and commissioning must be carried out by experts trained by **GEZE**. |