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|  | ......................... pcs. .............................. € .............................. €  **GEZE** **opening and locking system RWA 105 NT for a smoke and heat extraction system**  For daily aeration and ventilation as well as safe and fast smoke and heat extraction and smoke dissipation at vertically installed, inward opening bottom or side-hung casements. Casements installed in post/rail structures or with small frame width.    Electric spindle drive E 250 NT in 24 V version with 2 mechanical leaf locking mechanisms.  Load switch-off and end-position cut-off must be implemented electronically.  Sealing via electronically defined pressure.  For large windows synchronised tandem operation without an external additional module must be provided. Activation and setting of the synchro function is achieved by means of integrated DIP switches, without additional programming being necessary.  The control is carried out via the GEZE emergency power control unit in the event that the smoke and heat extraction system is triggered.  Daily use of the ventilation function is carried out using the GEZE vent switch.  **Technical data:**  Stroke: 100/150/230  Tensile force and pressure: 750 N/750 N  Voltage: 24 V DC / 230 V AC with external mains adapter  Current consumption: Ventilation (24 V): 0.9 A; RWA (18 V): 1.0 A  Enclosure rating: IP 65  Ambient temperature: -5°C to +70°C  Connection cable: 2 m, silicon sheathed\*  \* Special lengths on request  Suitable for installation in tested and certified **GEZE** **SHEVs** in accordance with EN 12101-2.  Max. casement width for wood or aluminium: Solo 1500 mm Syncro 2200 mm  Max. casement width for plastic: Solo 800 mm Syncro 1600 mm  Min. casement width: 200 mm  **Casement size:** ........ mm width  ........ mm height  Min. and max. casement width and casement height in accordance with manufacturer’s specifications  **Motor stroke:**  ( ) E 250 NT/100 casement height: min. 585 mm  max. depending on casement width  Opening width: approx. 220 – 1150 mm  ( ) E 250 NT/150 casement height: min. 685 mm  max. depending on casement width  Opening width: approx. 450 – 1700 mm  ( ) E 250 NT/230 casement height: min. 845 mm  max. depends on casement width  opening width: approx. 800 – 2300 mm, Solo only in the case of side-hung casements  **Specifications based on bottom-hung and top-hung casements**  Opening width ....... mm  (determined by the casement size and drive stroke)  Panel weight max.: 30 kg/m²  Space required:  on the casement: 38 mm  on the window frame: 18 mm  Post-rail depth: max.125 mm  **Colour:**  ( ) EV1  ( ) white  ( ) RAL ........ |
|  | ......................... pcs. .............................. € .............................. €  **Synchronised tandem operation for wide windows**  For leaf widths larger than 1500 mm and/or 800 mm RWA 105 NT SYNCRO set is required. The E 250 NT drives used have an integrated synchronic control unit which is activated via the DIP switch. |
|  | ......................... pcs. .............................. € .............................. €  **Notes:**  An additional hinge is required on the drive side for load distribution.  You also require an emergency power control unit **GEZE E 260 N, THZ, THZ Comfort** or **MBZ 300** and accessories. Power supplies, **IQ gear** and vent switches that can be supplied separately are required for 230V ventilation applications. |
|  | ......................... pcs. .............................. € .............................. €  **Installation and functional test**  Installation and functional test by an expert authorised by the manufacturer. |
|  | ......................... pcs. .............................. € .............................. €  **Start-up and official approval**  Official approval of the complete smoke and heat extraction system by an officially recognised expert, who also hands over the acceptance certificates. |
|  | ......................... pcs. .............................. € .............................. €  **Service maintenance - compact package**  **Maintenance and testing of hold-open systems**  **(optional position)**  Service package for maintenance and testing according to ASR A1.7 as well as according to manufacturer’s specification with the following performance features:  - One maintenance per contract year  - Free provision and updating of the test documents  - Attachment of the inspection sticker  - Fault diagnosis and repair jobs during the contract period will be carried out at reduced hourly rates  - Service technicians will be deployed within 24 hours of the message being received from Monday – Friday between 7 am and 5 pm without surcharges  - Personal availability at the help desk 24 hours a day, 365 days a year  - Contract run time: 2 years |
|  | ......................... pcs. .............................. € .............................. €  **Service maintenance - comfort package**  **Service maintenance (optional position)**  Comfort service package for maintenance and accident prevention inspection in accordance with ASR A1.7 as well as according to manufacturer’s specification 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 |
|  | ......................... pcs. .............................. € .............................. €  **Delivery and installation**  Wiring to be carried out on site by an electrical contractor according to the GEZE cable plan. Delivery, installation and commissioning through plant fitters or service partner. Safety analysis, instruction of the operator as to how the system works and handing over of the documentation.  Annual maintenance and technical inspection by an expert authorised by the manufacturer incl. documentation of the inspection in an inspection log. |