

Product data sheet

RWA 105 NT *



Opening and locking system for mullion-transom constructions

AREAS OF APPLICATION

- Natural ventilation, smoke and heat extraction system, natural smoke and heat extraction device (SHEV)
- Opening and locking of inward opening windows with bottom-, top- and side-hung leaves in mullion-transom façades
- Installation on wooden, PVC or metal windows



PRODUCT FEATURES

- System solution with profile-mounted E 250 NT spindle drive and a bracket set with locking device
- Double mechanical locking at the main closing edge by the spindle drive
- Very few space needed on the frame
- Large opening width with short spindle stroke in less than 60 seconds
- Synchro operation possible with two drives for wide window leaves
- IQ windowdrive - intelligent drive control
- Tested as a natural smoke and heat exhaust ventilation device (SHEV) in accordance with EN 12101-2

TECHNICAL DATA

| | |
|--|---|
| Productname | RWA 105 NT * |
| Space needed (min.) | Cover frame: 18 mm, leaf: 38 mm, mullion-transom height max. 125 mm |
| Permissible dimensions of primary closing edge Solo for timber and aluminium frames | Depending on stroke |
| Permissible dimensions of primary closing edge Solo for plastic frames | Depending on stroke |
| Permissible dimensions of primary closing edge Synchro for timber and aluminium frames | Depending on stroke |
| Permissible dimensions of primary closing edge Synchro for plastic frames | Depending on stroke |
| Leaf heights for Solo and Synchro | Depending on stroke |
| Force of pressure (max.) | 750 N |
| Compressive force | 750 N |
| Tensile force | 750 N |
| Panel weight (max.) | 30 kg/m ² |
| Voltage at operation | 24 V (+30 % to -20 %) |
| Operating voltage | 24 V DC |
| Current consumption | 1 A |
| Current consumption according to area of application | Ventilation (24 V): 0.9 A, RWA (18 V): 1.0 A |
| Power consumption | 22 W |
| Residual ripple | 20 % |
| Duty rating | 30 % |
| Connector cable length | 2 m |
| Min. core cross section | 0.75 mm ² |
| Number of cores | 4 cores |
| Service temperature | -5 - 75 °C |
| IP rating | IP65 |
| protection rating | III |
| Locking and additional angle bracket | Yes |
| End position cut-off extended | Internal path sensor |
| End position cut-off retracted | Internal path sensor |

| | |
|--|-----|
| Overload cut-off | Yes |
| SHEV tested | Yes |
| KNX ability | Yes |
| Bottom-hung window INWARD-opening leaf installation | Yes |
| Side-hung window INWARD-opening door leaf installation | Yes |
| Top-hung window INWARD-opening leaf installation | Yes |

NETWORKING



VARIANTS / ORDER INFO

| Designation | Description | Ident-No. | Colour | Stroke | Operating voltage |
|---------------------------------------|--|-----------|------------------|--------|-------------------|
| RWA 105 NT * | | 153235 | according to RAL | 150 mm | 24 V DC |
| RWA 105 NT Syncro * | Contains 2 E 250 NT drives | 153640 | EV1 | 100 mm | 24 V DC |
| RWA 105 NT * | | 153230 | EV1 | 100 mm | 24 V DC |
| RWA 105 NT Syncro * | Contains 2 E 250 NT drives | 153663 | EV1 | 150 mm | 24 V DC |
| RWA 105 NT * | | 153234 | white RAL 9016 | 150 mm | 24 V DC |
| RWA 105 NT Syncro - special version * | Can be configured: Stroke, cable length, colour. Contains 2 E 250 NT drives | 153669 | according to RAL | | 24 V DC |
| RWA 105 NT Syncro * | Contains 2 E 250 NT drives | 153665 | according to RAL | 150 mm | 24 V DC |
| RWA 105 NT * | | 153238 | according to RAL | 230 mm | 24 V DC |
| RWA 105 NT Syncro * | Contains 2 E 250 NT drives | 153667 | white RAL 9016 | 230 mm | 24 V DC |
| RWA 105 NT * | | 153236 | EV1 | 230 mm | 24 V DC |
| RWA 105 NT | | 153232 | according to RAL | 100 mm | 24 V DC |
| RWA 105 NT Syncro * | Contains 2 E 250 NT drives | 153664 | white RAL 9016 | 150 mm | 24 V DC |
| RWA 105 NT Syncro | Contains 2 E 250 NT drives | 153662 | according to RAL | 100 mm | 24 V DC |
| RWA 105 NT * | | 153237 | white RAL 9016 | 230 mm | 24 V DC |
| RWA 105 NT Syncro * | Contains 2 E 250 NT drives | 153668 | according to RAL | 230 mm | 24 V DC |
| RWA 105 NT Syncro * | Contains 2 E 250 NT drives | 153666 | EV1 | 230 mm | 24 V DC |
| RWA 105 NT Syncro * | Contains 2 E 250 NT drives | 153661 | white RAL 9016 | 100 mm | 24 V DC |

| Designation | Description | Ident-No. | Colour | Stroke | Operating voltage |
|--------------------------------|---|-----------|----------------|--------|-------------------|
| RWA 105 NT – special version * | Can be configured: Stroke, cable length, colour | 153239 | | | 24 V DC |
| RWA 105 NT * | | 153233 | EV1 | 150 mm | 24 V DC |
| RWA 105 NT * | | 153231 | white RAL 9016 | 100 mm | 24 V DC |

ACCESSORIES

SERVICE CASE IQ WINDOWDRIVE

For commissioning and parameter setting of the window drives from the IQ windowdrive range



| Designation | Description | Ident-No. | Colour | Supply voltage |
|----------------------------------|---|-----------|-----------------|----------------|
| Service case GEZE IQ windowdrive | for commissioning of 24 V window drives and for parameter setting of the IQ windowdrive drives in combination with the ST 220 | 142586 | silver-coloured | 100 – 240 V AC |

IQ BOX KNX

Interface module to connect the Slimchain, Powerchain, E 250 NT and F 1200+ window drives in the KNX building bus



| Designation | Description | Ident-No. | Dimensions | Type of installation |
|-------------|---|-----------|-----------------|--|
| IQ box KNX | Top hat rail variant (space requirement 18mm/1 TE). One IQ box KNX is required per window (also for Syncro applications and with locking drives). | 164437 | 18 x 98 x 62 mm | Surface-mounted installation, Flush-mounted installation |
| IQ box KNX | Flush mounting variant. One IQ box KNX is needed per window (also for Syncro applications and with locking drives). | 164443 | 50 x 45 x 19 mm | Surface-mounted installation, Flush-mounted installation |

GEZE POWER SUPPLY NT 1.5A-24V HS

24 V power supply for top hat rail mounting



| Designation | Description | Ident-No. | Colour | Dimensions | Operating voltage |
|-------------------------------|--|-----------|--------|-----------------|-------------------|
| Power supply NT 1.5 A-24 V HS | Output voltage 24 V DC / W x H x D: 35 x 90 x 58 mm / Installation on top hat rail, 2 division units | 151425 | black | 35 x 90 x 58 mm | 230 V AC |

POWER SUPPLY NT 2.5 A-24 V HS *

24 V power supply for top hat rail mounting



| Designation | Description | Ident-No. | Colour | Dimensions | Operating voltage |
|---------------------------------|--|-----------|--------|-----------------|-------------------|
| Power supply NT 2.5 A-24 V HS * | Output voltage 24 V DC W x H x D: 52 x 90 x 58 mm / Installation on top hat rail, 3 division units | 151424 | black | 52 x 90 x 58 mm | 230 V |

POWER SUPPLY NT 6.25 A-24 V HS *

24 V power supply for top hat rail mounting



| Designation | Description | Ident-No. | Colour | Dimensions | Operating voltage |
|----------------------------------|--|-----------|--------|-------------------|-------------------|
| Power supply NT 6.25 A-24 V HS * | Output voltage 24 V DC W x H x D: 72 x 95 x 66.5 mm / Installation on top hat rail, 4 division units | 192113 | grey | 72 x 95 x 66.5 mm | 230 V DC +/- 10% |

ST 220

Service terminal for the wireless and wired parameter setting of GEZE door and window products



| Designation | Description | Ident-No. | Colour | Dimensions | Operating voltage |
|-------------------------|---|-----------|--------|------------------|-------------------|
| ST 220 service terminal | For parameter setting and diagnosis for TZ 320, TE 220, automatic door systems, drives from the IQ windowdrive series and THZ N4, THZ Comfort N4, battery operation with 4x AAA cells (not supplied by GEZE), plain text display on illuminated panel, keypad for operation / Parameter changes to GEZE systems may only be carried out by experts who have been authorised by the manufacturer | 087261 | blue | 80 x 125 x 37 mm | 24 V |

IQ GEAR *

Interface for activation of the Slimchain, Powerchain and E 250 NT window drives in ventilation mode



| Designation | Description | Ident-No. |
|-------------|--|-----------|
| IQ gear * | Interface for activation of the Slimchain, Powerchain and E 250 NT window drives in ventilation mode | 151959 |

* The products designated above may vary in form, type, characteristics, function, or availability depending on the country. Please get in touch with your GEZE contact person if you have any questions.