

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.