

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
- Syncro operation with two drives possible 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 Syncro for timber and aluminium frames	Depending on stroke
Permissible dimensions of primary closing edge Syncro for plastic frames	Depending on stroke
Leaf heights for Solo and Syncro	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
Performance when off	0 W
Performance in standby mode	0.3 W
Performance in a networked on-call system	0.4 W
Time to switch to Off/Standby mode (min)	0 min
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

RWA 105 NT *

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
NSHEV 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

Designation	Description	Ident-No.	Colour	Stroke	Operating voltage
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
RWA 105 NT - special version *	Can be configured: Stroke, cable length, colour	153239	according to RAL		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

ROD GUIDE FOR OL 320

For attaching a free rod length of more than 600 mm to fanlight openers OL 100 / OL 320



Designation	Ident-No.	Colour	EAN
Rod guide for rod Ø 12 mm	058653	white	4106030586531

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	Output current (max.)
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	5.5 A

IQ BOX KNX

Interface module for connecting the Slimchain, Powerchain and E 250 NT window drives in the KNX building bus



Designation	Description	Ident-No.	Dimensions	Type of installation	IP rating
IQ box KNX	Top hat rail variant (space requirement 18 mm/1 horizontal pitch). One IQ box KNX is required for each window (also for Syncro applications and with locking drives).	164437	18 x 98 x 62 mm	Surface-mounted, Flush-mounted installation	IP20
IQ box KNX	Flush-mounted variant. One IQ box KNX is required for each window (also for Syncro applications and with locking drives).	164443	50 x 45 x 19 mm	Surface-mounted, Flush-mounted installation	IP20

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, top hat rail assembly, 2 horizontal pitches	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, assembly on top hat rail, 3 horizontal pitches	151424	black	52 x 90 x 58 mm	230 V

RWA 105 NT ***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, assembly on top hat rail, 4 horizontal pitches	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
Service terminal ST 220	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 DC

IQ GEAR *

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



Designation	Description	Ident-No.	Operating voltage	EAN
IQ gear *	Interface for activation of the Slimchain, Powerchain and E 250 NT window drives in ventilation mode	151959	24 V DC	4042938519595

ADDITIONAL LOCKING MECHANISM FOR OL 320

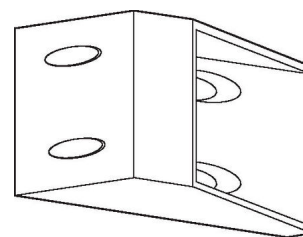
Additional locking mechanism OL 320



Designation	Description	Ident-No.	Colour	EAN
Additional locking mechanism for OL 320 *	without additional angle bracket, overlap height 12-25 mm	018257	white RAL 9016	4106030182573
Additional locking mechanism for OL 320 *	without additional angle bracket, overlap height 12-25 mm	013080	according to RAL	4106030130802
Additional locking mechanism for OL 320	without additional angle bracket, overlap height 12-25 mm	063974	EV1	4106030639749

ADDITIONAL BRACKET OL 320 *

For the additional locking mechanism for OL 320



Designation	Ident-No.	Colour	EAN
Additional bracket OL 320 *	015519	white RAL 9016	4106030155195
Additional bracket OL 320 *	013077	according to RAL	4106030130772
Additional bracket OL 320 *	050727	EV1	4106030507277

OPEN/CLOSE WINDOW CONTROL *

Open/Close window controller for simple ventilation control



Designation	Description	Ident-No.	Dimensions	Operating voltage	Type of installation
OPEN/CLOSE window control unit 24 V - HS *	Control unit (individual, group, central, time) for 24 V window drives for installation on a top hat rail. Output current max. 8 A	163812	18 x 88 x 58 mm	24 V	Top hat rail mounting
OPEN/CLOSE window control unit 24 V - UP *	Control unit (individual, group, central, time) for 24 V window drives for installation in a flush-mounted box. Output current max. 8 A	163813	43 x 43 x 18.5 mm	24 V	Flush-mounted installation
OPEN/CLOSE window control unit 230 V - HS *	Control unit (individual, group, central, time) for 230 V window drives for installation on a top hat rail. Output current max. 10 A	163814	18 x 88 x 58 mm	230 V	Top hat rail mounting

RWA 105 NT *

Designation	Description	Ident-No.	Dimensions	Operating voltage	Type of installation
OPEN/CLOSE window control unit 230 V – UP *	Control unit (individual, group, central, time) for 230 V window drives for installation in a flush-mounted box. Output current max. 10 A	163815	43 x 43 x 18.5 mm	230 V	
OPEN/CLOSE universal window control 230 V AC – TOP HAT RAIL *	Control (individual, group, central, time) with potential-free inputs for 230 V window drives for installation on a top hat rail. Output current max. 10 A	163816	18 x 88 x 58 mm	230 V	Top hat rail mounting

NT 2.5 A-24 V SM DIR POWER SUPPLY *

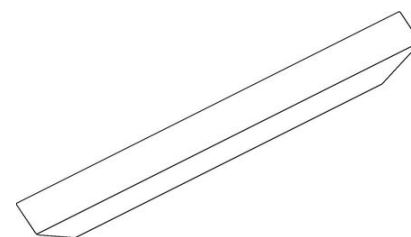
24 V power supply for surface-mounted installation with integrated direction control/polarity reversal



Designation	Description	Ident-No.	Colour	Dimensions	Operating voltage
NT 2.5 A-24 V SM DIR power supply *	Output voltage 24 V DC, W x H x D: 200 x 50 x 25 mm, surface-mounted, with integrated direction control/polarity reversal	195293	grey	200 x 50 x 25 mm	230 V AC

COVER PROFILE OL 320

To cover the transmission



Designation	Description	Ident-No.	Colour	Dimensions	EAN
Cover profile OL 320	Mitre-cut at both ends	018293	white RAL 9016	2000 mm	4106030182931
Cover profile OL 320	Mitre-cut at both ends	014258	according to RAL	2000 mm	4106030142584
Cover profile OL 320	Mitre-cut at both ends	058771	EV1	2000 mm	4106030587712
Cover profile OL 320	Mitre-cut at both ends	058774	EV1	3000 mm	4106030587743
Cover profile OL 320	Mitre-cut at both ends	014259	according to RAL	3000 mm	4106030142591
Cover profile OL 320	Mitre-cut at both ends	018294	white RAL 9016	3000 mm	4106030182948
Cover profile OL 320	Mitre-cut at both ends	058630	EV1	6000 mm	4106030586302
Cover profile OL 320 *	Mitre-cut at both ends	013814	according to RAL	6000 mm	4106030138143
Cover profile OL 320	Mitre-cut at both ends	018251	white RAL 9016	6000 mm	4106030182511

ROD Ø 12 MM

Without cover profile, for coupling and movement transmission for the components



Designation	Description	Ident-No.	Colour	Dimensions	EAN
Rod Ø 12 mm	Without cover profile, for coupling and movement transmission for the components	054116	Galvanised	6000 x 12 mm	4106030541165
Rod Ø 12 mm	Without cover profile, for coupling and movement transmission for the components	053199	Galvanised	3000 x 12 mm	4106030531999
Rod Ø 12 mm	Without cover profile, for coupling and movement transmission for the components	053198	Galvanised	2000 x 12 mm	4106030531982

* 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.