Product data sheet

RWA 100 NT

Opening and locking system for inward opening bottom-hung, top-hung and side-hung leaves

AREAS OF APPLICATION

- Opening and locking of inward-opening windows with bottom-hung, top-hung and side-hung leaves
- Natural ventilation, smoke and heat extraction system, natural smoke and heat extraction device (SHEV)
- Can be used in the exhaust air and air inlet system
- Installation on wooden, PVC or metal windows

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RWA 100 NT

PRODUCT FEATURES

- System solution with profile-mounted E 250 NT spindle drive and a bracket set with locking device
- Mechanical locking at the main closing edge by the spindle drive
- 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 100 NT
Space needed (min.)	Locking side: 32 mm, motor side: 48 mm
Permissible dimensions of primary closing edge Solo for timber and aluminium frames	360 – 1200 mm
Permissible dimensions of primary closing edge Solo for plastic frames	360 – 800 mm
Permissible dimensions of primary closing edge Syncro for timber and aluminium frames	800 – 2400 mm
Permissible dimensions of primary closing edge Syncro for plastic frames	800 – 1.600 mm
Leaf heights for Solo and Syncro	520 – 1700 mm
Force of pressure (max.)	750 N
Compressive force	750 N
Tensile force	750 N
Panel weight (max.)	30 kg/m²
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	0.4 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 mm²
Number of cores	4 cores
Service temperature	-5 – 75 °C
IP rating	IP65
protection rating	III

RWA 100 NT

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 frame installation	Yes
Side-hung window INWARD-opening frame installation	Yes
Top-hung window INWARD-opening frame installation	Yes

NETWORKING

VARIANTS / ORDER INFO

Designation	Description	Ident-No.	Colour	Stroke	IP rating
RWA 100 NT		153213	EV1	200 mm	IP65
RWA 100 NT *		153217	white RAL 9016	300 mm	IP65
RWA 100 NT - special version *	Can be configured: Stroke, cable length, colour	153219	according to RAL		IP65
RWA 100 NT		153211	white RAL 9016	150 mm	IP65
RWA 100 NT *		153214	white RAL 9016	200 mm	IP65
RWA 100 NT *		153190	EV1	150 mm	IP65
RWA 100 NT		153216	EV1	300 mm	IP65
RWA 100 NT *		153188	white RAL 9016	100 mm	IP65
RWA 100 NT		153187	EV1	100 mm	IP65

RWA 100 NT

ACCESSORIES

SECONDARY CLOSING EDGE ADDITIONAL LOCKING MECHANISM *

For increased protection on the secondary closing edge

Designation	Description	Ident-No.	Colour	EAN
Locking mechanism secondary closing edge RWA 100 *	Can be used for OL 350 EN, OL 370 EN, RWA 100 NT, RWA 110 NT and OL 320	120297	EV1	4042938202978
Locking mechanism secondary closing edge RWA 100 *	Can be used for OL 350 EN, OL 370 EN, RWA 100 NT, RWA 110 NT and OL 320	120298	white RAL 9016	4042938202985
Locking mechanism secondary closing edge RWA 100 *	Can be used for OL 350 EN, OL 370 EN, RWA 100 NT, RWA 110 NT and OL 320	120299	according to RAL	4042938202992

DRILLING TEMPLATE RWA 100 E *

For the simple installation of opening and locking systems

Designation	Description	Ident-No.	Material	EAN
Drilling template *	for RWA 100E and RWA 100 NT	014740	Aluminum	4106030147404

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

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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

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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

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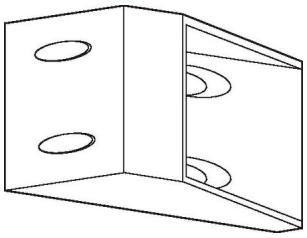
ADDITIONAL LOCKING MECHANISM FOR OL 320

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 controler for simple ventilation control

Designation	Description	Ident-No.	Dimensions	Operating voltage	Type of installation
OPEN/CLOSE window control unit 24 V - HS *	Control unit 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

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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

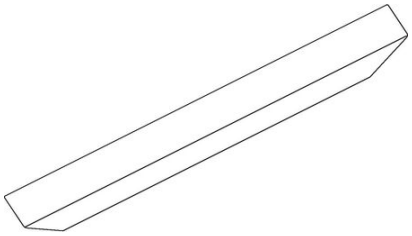
NT 2.5 A-24 V SM DIR POWER SUPPLY *

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

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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.