

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 intake
- 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
- Mechanical locking at the main closing edge by the spindle drive
- 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 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 Synchro for timber and aluminium frames	800 - 2400 mm
Permissible dimensions of primary closing edge Synchro for plastic frames	800 - 1.600 mm
Leaf heights for Solo and Synchro	520 - 1700 mm
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

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SHEV 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
RWA 100 NT		153189	according to RAL	100 mm
RWA 100 NT		153215	according to RAL	200 mm
RWA 100 NT		153213	EV1	200 mm
RWA 100 NT		153217	white RAL 9016	300 mm
RWA 100 NT - special version	Can be configured: Stroke, cable length, colour	153219	according to RAL	
RWA 100 NT		153211	white RAL 9016	150 mm
RWA 100 NT		153214	white RAL 9016	200 mm
RWA 100 NT		153190	EV1	150 mm
RWA 100 NT		153216	EV1	300 mm
RWA 100 NT		153188	white RAL 9016	100 mm
RWA 100 NT		153212	according to RAL	150 mm
RWA 100 NT		153218	according to RAL	300 mm
RWA 100 NT		153187	EV1	100 mm

ACCESSORIES**SECONDARY CLOSING EDGE ADDITIONAL LOCKING MECHANISM ***

For increased protection on the secondary closing edge



Designation	Description	Ident-No.	Colour
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
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
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

DRILLING TEMPLATE RWA 100 E *

For the simple installation of opening and locking systems



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

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

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* 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.