Product data sheet

RWA 110 NT

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

AREAS OF APPLICATION

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

GEZE GmbH | Reinhold-Vöster-Straße 21–29 | D-71229 Leonberg | **TEL** +49 7152 203-0 | **WEB** www.geze.de | **Mail** info.de@geze.com
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RWA 110 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
- 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 110 NT
Space needed (min.)	Leaf frame: min. 33 mm, cover frame: min. 45 mm
Permissible dimensions of primary closing edge Solo for timber and aluminium frames	430 – 1200 mm
Permissible dimensions of primary closing edge Solo for plastic frames	430 – 800 mm
Permissible dimensions of primary closing edge Syncro for timber and aluminium frames	850 – 2400 mm
Permissible dimensions of primary closing edge Syncro for plastic frames	850 – 1600 mm
Leaf heights for Solo and Syncro	600 – 1600 mm
Available stroke length	150 mm, 200 mm, 300 mm
Force of pressure (max.)	750 N
Compressive force	750 kN
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
Residual ripple	20 %
Duty rating	30 %
Connection cable length	2 m
Min. core cross section	0.75 mm²
Number of cables	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

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

NETWORKING

VARIANTS / ORDER INFO

Designation	Description	Ident-No.	Colour	Stroke
RWA 110 NT		153221	white RAL 9016	150 mm
RWA 110 NT		153226	EV1	300 mm
RWA 110 NT		153224	white RAL 9016	200 mm
RWA 110 NT		153220	EV1	150 mm
RWA 110 NT		153227	white RAL 9016	300 mm
RWA 110 NT		153225	according to RAL	200 mm
RWA 110 NT		153223	EV1	200 mm
RWA 110 NT		153222	according to RAL	150 mm
RWA 110 NT		153228	according to RAL	300 mm
RWA 110 NT - special version	Can be configured: Stroke, cable length, colour	153229		

ACCESSORIES

SERVICE CASE IQ WINDOWDRIVE

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

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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

RWA 110 NT

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

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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.