

Product data sheet

Power lock



Locking drive in combination with Slimchain, Powerchain or
E 250 NT

Power lock

AREAS OF APPLICATION

- Additional safety and protection against weather conditions
- For natural ventilation, smoke and heat extraction systems, natural smoke and heat extraction device (SHEV)
- Can be used in the exhaust air and air inlet system
- Inward-opening windows with bottom-hung, side-hung, top-hung, swing and vertically centre pivoted leaves
- Installation on wooden, PVC or metal windows
- Leaf or frame installation

PRODUCT FEATURES

- System solution for locking in combination with Slimchain, Powerchain and E 250 NT window drives from the IQ windowdrive series
- Automatic locking of the window through access to the window transmission
- Meets high specifications in terms of wind load, impermeability to driving rain and air tightness
- Electronic position detection that unlocks the window before opening it
- Electronic end-position cut-off offers protection against incorrect operation and overloading
- High tensile and compressive force for up to six locking points
- Locking and unlocking in six seconds
- Synchronization of up to two Power lock and four window drives from the IQ windowdrive series possible
- Tested in combination with window drives from the IQ windowdrive series in accordance with EN 12101-2 (SHEV)

TECHNICAL DATA

Productname	Power lock
Dimensions	430 x 34 x 36 mm
Space needed on frame (min.)	Necessary space should be determined individually
Space requirement on leaf (min.)	Necessary space should be determined individually
Opening speed ventilation	3.6 mm/s
Compressive force	600 N
Tensile force	600 N
Voltage at operation	24 V ± 25 %
Operating voltage	24 V DC
Current consumption	1.5 A
Power consumption	36 W
Performance when off	0 W
Performance in standby mode	0.4 W

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Performance in a networked on-call system	0.4 W
Time to switch to Off/Standby mode (min)	0 min
Duty rating	30 %
Connector cable length	2 m
Special length of connector cable	5 m. 7.5 m
Min. core cross section	0.75 mm ²
Number of cores	4 cores
Service temperature	-5 - 70 °C
IP rating	IP42
protection rating	III
Adjustable opening speed (ventilation)	Yes
NSHEV tested	Yes
KNX ability	Yes
Bottom-hung window INWARD-opening frame installation	Yes
Bottom-hung window inward opening leaf installation	Yes
Side-hung window INWARD-opening frame installation	Yes
Side-hung window INWARD-opening door leaf installation	Yes
Top-hung window INWARD-opening frame installation	Yes
Top-hung window INWARD-opening leaf installation	Yes

NETWORKING



VARIANTS / ORDER INFO

Designation	Description	Ident-No.	Colour	Stroke	Dimensions
Power lock *	max. locking stroke 24 mm	147021	white RAL 9016		34 x 36 mm
Power lock - special version *	Can be configured: Cable length, colour	147022	according to RAL	22 mm	34 x 36 mm
Power lock	max. locking stroke 24 mm	147020	EV1		34 x 36 mm

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ACCESSORIES

LEAF INSTALLATION SET *

For leaf installation of the Power lock locking drive



Designation	Ident-No.	Colour	Locking dimension in mm
Leaf installation set *	150505	silver-coloured	11.5 mm
Leaf installation set *	147025	silver-coloured	8.5 mm

LEAF INSTALLATION SET WOOD AND PVC WINDOWS *

Installation on wooden and PVC windows



Designation	Ident-No.	Locking dimension in mm
Leaf installation set for timber framed/PVC windows *	158238	11.5 mm

FRAME INSTALLATION SET

For frame installation of the Power lock locking drive



Designation	Description	Ident-No.	Colour	Locking dimension in mm
Frame installation set		150507	EV1	11.5 mm
Frame installation set *		150506	white RAL 9016	11.5 mm
Frame installation set		147026	EV1	8.5 mm
Frame installation set *		150508	white RAL 9016	8.5 mm
Frame installation set - special version *	can be configured: Colour, driver= 8.5 mm / 11.5 mm	150010	according to RAL	

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

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

DRIP LOOP *

Concealed cable transition for power supply of the window drives



Designation	Description	Ident-No.	Colour	Operating voltage	IP rating
Drip loop 4m/6m *	for power supply to window drives	193863	grey	48 V DC	IP67
Drip loop 2m/3m *	for power supply to window drives	193287	grey	48 V DC	IP67

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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.