

# Product data sheet

# Power lock



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



## 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 intake
- 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 the IQ windowdrive series
- Automatic locking of the window through access to the window transmission
- Meets high specifications in terms of wind load, sealing in the event of 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  |
|-----------------------------------|---|
| 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  |
| Duty rating                       | 30 %  |
| Connector cable length            | 2 m   |
| Special length of connector cable | 5 m, 7.5 m  |

# Power lock



|  |                      |
|--|----------------------|
| Min. core cross section                                | 0.75 mm <sup>2</sup> |
| Number of cores  | 4 cores              |
| Service temperature                                    | -5 - 70 °C           |
| IP rating  | IP42                 |
| protection rating                                      | III                  |
| Adjustable opening speed (ventilation)                 | Yes                  |
| SHEV 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 | Operating voltage |
|------------------------------|---|-----------|------------------|--------|-------------------|
| Power lock                   | max. locking stroke 24 mm               | 147021    | white RAL 9016   |        | 24 V DC           |
| Power lock - special version | Can be configured: Cable length, colour | 147022    | according to RAL | 22 mm  | 24 V DC           |
| Power lock                   | max. locking stroke 24 mm               | 147020    | EV1              |        | 24 V DC           |

## ACCESSORIES

### LEAF INSTALLATION SET \*

For leaf installation of the Power lock locking drive



# Power lock



| Designation             | Ident-No. | Colour          |
|-------------------------|-----------|-----------------|
| Leaf installation set * | 150505    | silver-coloured |
| Leaf installation set * | 147025    | silver-coloured |

## LEAF INSTALLATION SET WOOD AND PVC WINDOWS \*

Installation on wooden and PVC windows



| Designation   | Ident-No. |
|---|-----------|
| Leaf installation set for timber framed/PVC windows * | 158238    |

## FRAME INSTALLATION SET

For frame installation of the Power lock locking drive



| Designation                              | Description   | Ident-No. | Colour           |
|--|---|-----------|------------------|
| Frame installation set                   |   | 150507    | EV1              |
| Frame installation set                   |   | 150506    | white RAL 9016   |
| Frame installation set                   |   | 147026    | EV1              |
| Frame installation set                   |   | 150508    | white RAL 9016   |
| 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 |
|----------------------------------|---|-----------|-----------------|----------------|
| 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 |

# Power lock



## 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              |

\* 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.