

Product data sheet

Slimchain



Chain drive in an attractive design with numerous possible applications in 24 V version

AREAS OF APPLICATION

- Smoke and heat extraction system and natural ventilation (24 V) in the façade area
- Can be used in exhaust air and air inlet systems
- Inward- and outward-opening windows with bottom-hung, top-hung and side-hung leaves
- Projected top hung and parallel opening windows
- Installation on wooden, PVC or metal windows
- Leaf, frame or integrated installation
- System solution in combination with the Power lock locking drive

PRODUCT FEATURES

- Can be integrated perfectly into the façade design thanks to its slim and discreet look
- Continuously adjustable drive stroke and individual speeds for ventilation and smoke and heat extraction
- Available as special version – stroke, cable length, colour and alignment configurable to left hand/right hand door
- Synchronisation of max. four drives without external control unit
- DIP switches for changing the mode of operation (Solo and Syncro, master, slave)
- Fast and easy installation with the Smart fix installation system
- 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	Slimchain
Length	Stroke 300: 560 mm, stroke 500: 660 mm, stroke 800: 810 mm (each with brackets)
Dimensions	Length x 25 x 44 mm
Space needed on frame (min.)	Frame installation inward-opening: 40 mm, leaf installation inward-opening: 16/21 mm, frame installation outward-opening: 31 mm
Space requirement on leaf (min.)	Frame installation inward-opening: 40 mm, leaf installation inward-opening: 34/29 mm, frame installation outward-opening: 19 mm
Opening speed RWA	15 mm/s
Opening speed ventilation	5 mm/s
Closing speed (max.)	5 mm/s
Force of pressure (max.)	100 N (depending on stroke), see force-path chart
Locking force (max.)	2000 N
Tensile force	300 N
Leaf weight	200 kg*
Overlap area	0 – 23 mm (depending on the application and bracket set)

Voltage at operation	24 V ± 25 %
Operating voltage	24 V DC
Current consumption	1.1 A
Current consumption according to area of application	Ventilation (24 V): 0.9 A; RWA (18 V): 1.1 A
Power consumption	22 W
Performance when off	0 W
Performance in standby mode	0.3 W
Performance in a networked on-call system	0.4 W
Time to switch to Off/Standby mode (min)	0 min
Duty rating	30 %
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	IP40
protection rating	III
Syncro function	Yes
Adjustable opening speed (ventilation)	Yes
Additional locking available	Yes
Type of additional locking mechanism	Locking drive
Type of stroke shortening	Synchronising unit, Factory setting
End position cut-off extended	electronic, via internal path sensor
End position cut-off retracted	electronically via current consumption
Overload cut-off	Yes
Complete opening within 60 s	yes, including locking drive
NSHEV tested	Yes
NSHEV additional information	yes, including locking drive
Number synchronisation drive units	4
KNX ability	Yes
Bottom-hung window INWARD-opening frame installation	Yes
Bottom-hung window inward opening leaf installation	Yes
Bottom-hung window OUTWARD-opening frame installation	Yes
Side-hung window INWARD-opening frame installation	Yes
Side-hung window INWARD-opening door leaf installation	Yes
Side-hung window OUTWARD-opening frame installation	Yes
Top-hung window INWARD-opening frame installation	Yes
Top-hung window OUTWARD-opening frame installation	Yes
Projected top-hung window OUTWARD-opening frame installation	Yes
Parallel-opening window OUTWARD-opening frame installation	Yes

NETWORKING



SAFETY NOTICE

Falling window leaves can be a considerable risk to life and limb of persons in the vicinity. Therefore, the use of GEZE safety scissors is mandatory when using GEZE drives on bottom-hung windows.

VARIANTS / ORDER INFO

Designation	Description	Ident-No.	Colour	Stroke
Slimchain L		147046	white RAL 9016	500 mm
Slimchain R		147030	EV1	300 mm
Slimchain - special version	Can be configured: Stroke, cable length, colour, version L/R	147070	according to RAL	
Slimchain L		147056	white RAL 9016	800 mm
Slimchain R		147031	white RAL 9016	300 mm
Slimchain R		147051	white RAL 9016	800 mm
Slimchain R		147041	white RAL 9016	500 mm
Slimchain R		147040	EV1	500 mm
Slimchain L		147036	white RAL 9016	300 mm
Slimchain L		147045	EV1	500 mm
Slimchain R		147050	EV1	800 mm
Slimchain L		147055	EV1	800 mm
Slimchain L		147035	EV1	300 mm

ACCESSORIES

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

CHOICE OF BRACKETS FOR SLIMCHAIN

Special version can be configured in terms of opening type and colour



Designation	Description	Ident-No.	Colour
Bracket set Slimchain special version	Can be configured: Type of opening, colour	147071	according to RAL

BRACKET SET A SLIMCHAIN

For bottom-hung, side-hung and top-hung windows



Designation	Description	Ident-No.	Colour
Bracket set A Slimchain	For bottom-hung, side-hung and top-hung windows, frame installation INWARD OPENING	147061	white RAL 9016
Bracket set A Slimchain	For bottom-hung, side-hung and top-hung windows, frame installation INWARD OPENING	147060	black

BRACKET SET B SLIMCHAIN

For bottom-hung, side-hung and top-hung windows



Designation	Description	Ident-No.	Colour
Bracket set B Slimchain	For bottom-hung, side-hung and top-hung windows, leaf installation INWARD OPENING and frame installation OUTWARD OPENING	147063	white RAL 9016
Bracket set B Slimchain	For bottom-hung, side-hung and top-hung windows, leaf installation INWARD OPENING and frame installation OUTWARD OPENING	147062	black

BRACKET SET C SLIMCHAIN

For bottom-hung and side-hung windows



Designation	Description	Ident-No.	Colour
Bracket set C Slimchain	For bottom-hung and side-hung windows, frame installation integrated INWARD OPENING	155878	silver-coloured

BRACKET SET P SLIMCHAIN

For parallel-opening windows and projected top hung windows



Designation	Description	Ident-No.	Colour
Bracket set P Slimchain *	For parallel opening windows (PAF), frame installation OUTWARD OPENING	164397	according to RAL
Bracket set P Slimchain	For parallel opening windows (PAF), frame installation OUTWARD OPENING	164396	white RAL 9016
Bracket set P Slimchain	For parallel opening windows (PAF), frame installation OUTWARD OPENING	164394	black

SAFETY SCISSORS NO. 35

For protection of bottom-hung leaves



Designation	Description	Ident-No.	Colour	Leaf weight (max.)
Safety scissors no. 35	Fix pack available from stock (10 pieces), minimum leaf height 300mm	014499	Galvanised	270 kg

SAFETY SCISSORS NO. 60

For protection of bottom-hung leaves



Designation	Description	Ident-No.	Colour	Leaf weight (max.)
Safety scissors no. 60	Fix pack available from stock (10 pieces), minimum leaf height 700mm	133814	Galvanised	240 kg

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

POWER SUPPLY NT 1.1 A-24 V UP *

24 V power supply unit for flush-mounted installation



Designation	Description	Ident-No.	Colour	Supply voltage	Dimensions
Power supply NT 1.1 A-24 V UP *	Installation in flush-mounted socket	151426	black	230 V AC	54 x 54 x 32 mm

IQ GEAR *

Interface for activation of the Slimchain, Powerchain and E 250 NT window drives in ventilation mode



Designation	Description	Ident-No.	Operating voltage
IQ gear *	Interface for activation of the Slimchain, Powerchain and E 250 NT window drives in ventilation mode	151959	24 V DC

IQ BOX SAFETY *

Safety module for protecting hazardous areas of power-operated windows



Designation	Description	Ident-No.	Dimensions	Operating voltage	Type of installation
IQ box Safety *	Module for closing edge protection for window drives from the 24V IQ windowdrive series. One IQ box Safety is required for each window (as well as for Syncro applications and with locking drives). Top hat rail mounting (space required 32 mm/2 horizontal pitches)	187677	35 x 90 x 60 mm	24 V DC	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

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

OPEN/CLOSE WINDOW CONTROL *

Open/Close window controller for simple ventilation control



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

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

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%

WRM-24

Receiving module for activating automatic doors and window drives with 24 V DC



Designation	Description	Ident-No.	Colour	Dimensions	Output
WRM-24 receiving module	52 x 47 x 23 mm (W x H x D), for installation in a standard flush-mounted socket / 24 V DC operating voltage, pulsed operation or pulsed and continuous operation	131213	black	52 x 52 x 47 x 23 mm	2 potential-free relay contacts

WRM-24B

Receiving module for activating automatic doors and window drives with 24 V DC



Designation	Description	Ident-No.	Colour	Dimensions	Output
WRM-24B receiving module	130 x 80 x 35 mm (W x H x D), for surface mounting with protection class IP54 / 24 V DC operating voltage, pulsed operation or pulsed and continuous operation	131214	white	130 x 130 x 80 x 35 mm	2 potential-free relay contacts

WTH

Remote control for activating GEZE automatic doors and window drives via the GEZE wireless programme



Designation	Description	Ident-No.	Dimensions	Operating voltage	Type of installation
WTH-2 remote control 2 channel	with wall fixing and IP rating IP54	131210	78 x 51 x 15 mm	12 V DC	Wall
WTH-4 remote control 4 channel	with wall fixing and IP rating IP54	131211	78 x 51 x 15 mm	12 V DC	Wall
WTH-1 remote control 1 channel	with wall fixing and IP rating IP54	131209	78 x 51 x 15 mm	12 V DC	Wall

WTM

Transmitting module for activating GEZE automatic doors and window drives via the GEZE wireless programme



Designation	Description	Ident-No.	Dimensions	Operating voltage	Type of installation
WTM transmitting module	44 x 30 x 11 mm (W x H x D), for optional integration in push button	131212	44 x 30 x 11 mm	3 V DC	Integrated

SURFACE-MOUNTED HOUSING *

Housing for surface mounting of top hat rail components such as power supply units or control units



Designation	Description	Ident-No.	Colour	Dimensions	IP rating
Surface-mounted housing *	Size: W x H x D = 193 x 130 x 82 mm. For electronic top hat rail components, e.g. power supply units	152010	white	193 x 130 x 82 mm	IP40

LTA-24-AZ

Vent switch with control keys OPEN / CLOSE and LED function display



Designation	Description	Ident-No.	Colour	Dimensions	Operating voltage
LTA-24-AZ vent switch	with control keys "open-close" and LED function display	129393	alpine white	80 x 80 mm	24 V DC

LTA-LSA *

Vent switch with rotary knob for OPEN / CLOSE



Designation	Description	Ident-No.	Colour	Dimensions	Type of installation
LTA-LSA vent switch *	with rotary knob, can be used as "open-close" vent switch or stay-put as vent switch "open-stop-close"	118476	alpine white	80 x 80 mm	Flush-mounted installation

POWER LOCK

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



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

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

Slimchain



* 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.