

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 fresh air 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
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 diagram
Holding force (max.)	2000 N
Tensile force	300 N
Leaf weight	200 kg*
Overlap range	0 – 23 mm (depending on application and brackets)



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
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
Synchronising 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	electronic via current consumption
Overload cut-off	Yes
Complete opening within 60 s	yes, including locking drive
SHEV tested	Yes
SHEV 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



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 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

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 (PAF)



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
Safety scissors no. 35	Fix pack available from stock (10 pieces), minimum leaf height 300mm	014499	Galvanised

SAFETY SCISSORS NO. 60

For protection of bottom-hung leaves



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

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 SUPPLY HS

24 V power supply for top hat rail mounting



POWER SUPPLY NT 1.1 A-24 V UP *

25 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.
IQ gear *	Interface for activation of the Slimchain, Powerchain and E 250 NT window drives in ventilation mode	151959

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 needed per window (also for Syncro applications and with locking drives). Top hat rail mounting (space needed 32 mm/2 TE)	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 installation / With integrated direction control/polarity reversal	195293	grey	200 x 50 x 25 mm	230 V AC

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.