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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)

Slimchain

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 mm²
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

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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
IQ box KNX
IQ box KNX

Slimchain

CHOICE OF BRACKETS FOR SLIMCHAIN

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

Designation

Bracket set Slimchain special version

BRACKET SET A SLIMCHAIN

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

Designation

Bracket set A Slimchain

Bracket set A Slimchain

BRACKET SET B SLIMCHAIN

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

Designation

Bracket set B Slimchain

Bracket set B Slimchain

BRACKET SET C SLIMCHAIN

For bottom-hung and side-hung windows

Designation
Bracket set C Slimchain

BRACKET SET P SLIMCHAIN

For parallel opening windows (PAF)

Designation
Bracket set P Slimchain
Bracket set P Slimchain
Bracket set P Slimchain

SAFETY SCISSORS NO. 35

For protection of bottom-hung leaves

Designation
Safety scissors no. 35

Slimchain

SAFETY SCISSORS NO. 60

For protection of bottom-hung leaves

Designation
Safety scissors no. 60

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
Power supply NT 1.1 A–24 V UP

IQ GEAR *

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

Designation

IQ gear *

IQ BOX SAFETY *

Safety module for protecting hazardous areas of power-operated windows

Designation

IQ box Safety *

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

NT 2.5 A–24 V SM DIR power supply

* 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.