

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
- SHEV tested according to EN 12101-2

TECHNICAL DATA

Productname	Slimchain
Dimensions	44 x 25 x 44 mm
Space required 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
Possible stroke heights	300 mm, 500 mm, 800 mm
Opening speed RWA	15 mm/s
Opening speed ventilation	5 mm/s
Closing speed	5 mm/s
Tensile force (max.)	300 N
Force of pressure (max.)	100 N (depending on stroke), see force-path diagram
Holding force (max.)	2000 N
Leaf weight	200 kg*
Overlap range	0 - 23 mm (depending on application and brackets)

Voltage at operation	24 V, ± 25 %
Current consumption	1.1 A
Power consumption	Ventilation (24 V): 0.9 A; RWA (18 V): 1.1 A
Power consumption	22 W
Duty rating	30 %
Special length of power supply cable	5 m, 7.5 m
Cable dimensions	4 cores 0.75 mm ²
Temperature range	-5°C...+70°C
IP rating / protection rating	IP40 / III
Syncro function	Yes
Adjustable opening speed (ventilation)	Yes
Additional locking available	Yes
Type of additional locking	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
Synchronisation (max.)	4 drives
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 scissor stays is mandatory when using GEZE drives on bottom-hung windows.

VARIANTS / ORDER INFO

Name	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	acc. 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

ACCESSORY

IQ BOX KNX

Interface module for connecting the Slimchain, Powerchain and E 250 NT window drives in the KNX building bus



Name	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 or flush-mounted housing
IQ box KNX	Flush mounting variant. One IQ box KNX is required per window (also for Syncro applications and with locking drives).	164443	50 x 45 x 19 mm	Surface or flush-mounted housing

CHOICE OF CONSOLES FOR SLIMCHAIN

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



Name	Description	Ident-No.	Colour	Syncro function
Slimchain special version console set	Can be configured: Type of opening, colour	147071	acc. to RAL	0

CONSOLE SET A SLIMCHAIN

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



Name	Description	Ident-No.	Colour	Syncro function
Console set A Slimchain	For bottom-hung, side-hung and top-hung windows, frame installation INWARD	147061	white RAL 9016	0
Console set A Slimchain	For bottom-hung, side-hung and top-hung windows, frame installation INWARD	147060	black	0

CONSOLE SET B SLIMCHAIN

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



Name	Description	Ident-No.	Colour	Syncro function
Console set B Slimchain	For bottom-hung, side-hung and top-hung windows, leaf installation INWARD and frame installation OUTWARD	147063	white RAL 9016	0
Console set B Slimchain	For bottom-hung, side-hung and top-hung windows, leaf installation INWARD and frame installation OUTWARD	147062	black	0

CONSOLE SET C SLIMCHAIN

For bottom-hung and side-hung windows



Name	Description	Ident-No.	Colour	Syncro function
Console set C Slimchain	For bottom-hung and side-hung windows, frame installation integrated INWARD OPENING	155878	silver-coloured	0

CONSOLE SET P SLIMCHAIN

For parallel opening windows (PAF)



Name	Description	Ident-No.	Colour	Syncro function
Console set P Slimchain	For parallel opening windows, frame installation OUTWARD-OPENING	164397	acc. to RAL	0
Console set P Slimchain	For parallel opening windows, frame installation OUTWARD-OPENING	164396	white RAL 9016	0
Console set P Slimchain	For parallel opening windows, frame installation OUTWARD-OPENING	164394	black	0

SAFETY SCISSOR STAY NO. 35

For protection of bottom-hung leaves



Name	Description	Ident-No.	Colour
Safety scissor stay no. 35	Fix pack available from stock (10 pcs), minimum leaf height 300mm	014499	galvanised

SAFETY SCISSOR NO. 60

For protection of bottom-hung leaves



Name	Description	Ident-No.	Colour
Safety scissor stay no. 60	Fix pack available from stock (10 pcs), minimum leaf height 700mm	133814	galvanised

SERVICE CASE IQ WINDOWDRIVE

For commissioning and parameter setting of the window drives from the IQ windowdrive range



Name	Description	Ident-No.	Colour	Supply voltage
Service case GEZE IQ windowdrive	for service case of 24 V window drives and for parameter setting of the IQ window drives in combination with the ST 220	142586	silver-coloured	100 - 240 V AC

POWER SUPPLY HS

25 V power supply for top hat rail mounting

**NT 1.1 A-24 V UP POWER SUPPLY**

25 V power supply unit for flush-mounted installation



Slimchain



IQ GEAR

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



Name	Description	Ident-No.
IQ gear	Interface for activation of the Slimchain, Powerchain and E 250 NT window drives in ventilation mode	151959