Product data sheet

ECchain *



Chain drive with universal brackets for easy automation in ventilation mode

AREAS OF APPLICATION

- Natural ventilation (230 V) also designed for private homes
- Inward- and outward-opening windows with bottom-hung, top-hung and side-hung leaves
- Installation on wooden, PVC or metal windows
- Frame installation

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PRODUCT FEATURES

- Cost-effective and powerful chain drive for 230 V ventilation applications
- Variable stroke adjustment to 200 mm or 400 mm possible for different ventilation requirements
- Universal mountings and brackets for standard profile systems available on the market
- Fast and simple installation
- Variable use on small fanlights

TECHNICAL DATA

Productname	ECchain *
Length	with bracket 409 mm, without bracket 390 mm
Dimensions	Length x 44 x 63 mm
Space needed on frame (min.)	Frame installation inward-opening: 55 mm, frame installation outward-opening: 35 mm
Space requirement on leaf (min.)	Frame installation inward-opening: 37 mm, frame installation outward-opening: 20 mm
Opening speed ventilation	9 mm/s
Closing speed (max.)	9 mm/s
Force of pressure (max.)	250 N
Locking force (max.)	1800 N
Tensile force	250 N
Leaf weight	200 kg*
Overlap area	10 - 23 mm
Voltage at operation	230 V ± 10 %
Operating voltage	230 V
Current consumption	0.13 A
Power consumption	30 W
Performance when off	0 W
Performance in standby mode	0 W
Performance in a networked on-call system	0 W
Time to switch to Off/Standby mode (min)	0 min
Duty rating	30 %
Min. core cross section	0.75 mm²
Number of cores	4 cores
Service temperature	-5 - 60 °C
IP rating	IP30
protection rating	II
End position cut-off extended	Limit switches
End position cut-off retracted	electronically via current consumption
Overload cut-off	Yes
KNX ability	No

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Bottom-hung window INWARD-opening frame installation	Yes
Side-hung window INWARD-opening frame installation	Yes
Side-hung window OUTWARD-opening frame installation	Yes
Top-hung window OUTWARD-opening frame installation	Yes

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	Length	EAN
ECchain	including bracket for inward and outward opening	148260	white RAL 9010	409 mm	4042938482608
ECchain	including bracket for inward and outward opening	148259	grey RAL 7035	409 mm	4042938482592
ECchain	including bracket for inward and outward opening	148258	black RAL 9005	409 mm	4042938482585

ACCESSORIES

SAFETY SCISSORS NO. 35

For protection of bottom-hung leaves



Designation	Description	Ident-No.	Colour	Leaf weight (max.)	EAN
Safety scissors no. 35	Fix pack available from stock (10 pieces), minimum leaf height 300mm	014499	Galvanised	270 kg	4106030144991

SAFETY SCISSORS NO. 60

For protection of bottom-hung leaves



ECchain *

Designation	Description	Ident-No.	Colour	Leaf weight (max.)	EAN
Safety scissors no. 60	Fix pack available from stock (10 pieces), minimum leaf height 700mm	133814	Galvanised	240 kg	4042938338141

LTA-230

Vent switch with “Open-Close” control keys and LED function display



Designation	Description	Ident-No.	Colour	Dimensions	Operating voltage
LTA-230 vent switch	with control keys "open-stop-close"	118474	alpine white	80 x 80 mm	230 V AC

LTA-230-SCT *

Vent switch with “Open/closed” control keys, LED function indicators and key switch



Designation	Description	Ident-No.	Colour	Dimensions	Operating voltage
LTA-230-SCT vent switch combined with key switch *	with control keys "open-stop-close"	118475	alpine white	80 x 80 mm	230 V AC

OPEN/CLOSE WINDOW CONTROL *

Open/Close window controler for simple ventilation control



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

ECchain *

Designation	Description	Ident-No.	Dimensions	Operating voltage	Type of installation
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

WRM-230 *

Receiving module for activating window drives with 230 V DC



Designation	Description	Ident-No.	Colour	Dimensions	Output
WRM-230 receiving module *	52 x 47 x 23 mm (W x H x D), for installation in a standard flush-mounted socket	131215	black	52 x 47 x 23 mm	Electrical relay

WRM-230B

Receiving module for activating window drives with 230 V DC



Designation	Description	Ident-No.	Colour	Dimensions	Output
WRM-230B receiving module	130 x 80 x 35 mm (W x H x D), for surface mounting with protection class IP54	131216	white	130 x 80 x 35 mm	Electrical relay

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	3 V DC	Wall
WTH-4 remote control 4 channel	with wall fixing and IP rating IP54	131211	78 x 51 x 15 mm	3 V DC	Wall
WTH-1 remote control 1 channel	with wall fixing and IP rating IP54	131209	78 x 51 x 15 mm	3 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

LTA-LSA *

Vent switch with rotary knob for OPEN / CLOSE



Designation	Description	Ident-No.	Colour	Dimensions	Operating voltage
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	230 V AC

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* 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.