

# Product data sheet

# ECchain



Chain drive with universal consoles for simple automation in ventilation operation

## 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

**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 brackets and consoles for profile systems available on the market as standard
- Fast and simple installation
- Variable use on small fanlights

**TECHNICAL DATA**

Productname	ECchain
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
Possible stroke heights	200 mm, 400 mm
Opening speed ventilation	9 mm/s
Closing speed	9 mm/s
Force of pressure (max.)	250 N
Holding force (max.)	1800 N
Tensile force	250 N
Leaf weight	200 kg*
Overlap range	10 – 23 mm
Voltage at operation	230 V ± 10 %
Operating voltage	230 V
Current consumption	0.13 A
Power consumption	0.13 A
Power consumption	30 W
Duty rating	30 %
min. core dimension	0.75 mm <sup>2</sup>
Number of cables	4 cores
Temperature range	-5°C...+60°C
IP rating	IP30
protection rating	II
End position cut-off extended	Limit switches
End position cut-off retracted	electronic via current consumption
Overload cut-off	Yes
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

Name	Description	Ident-No.	Colour	Length
ECchain	including console for inward and outward opening	148260	white RAL 9010	409 mm
ECchain	including console for inward and outward opening	148259	grey RAL 7035	409 mm
ECchain	including console for inward and outward opening	148258	black RAL 9005	409 mm

## ACCESSORY

### SAFETY SCISSORS NO. 35

For protection of bottom-hung leaves



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

### SAFETY SCISSORS NO. 60

For protection of bottom-hung leaves



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