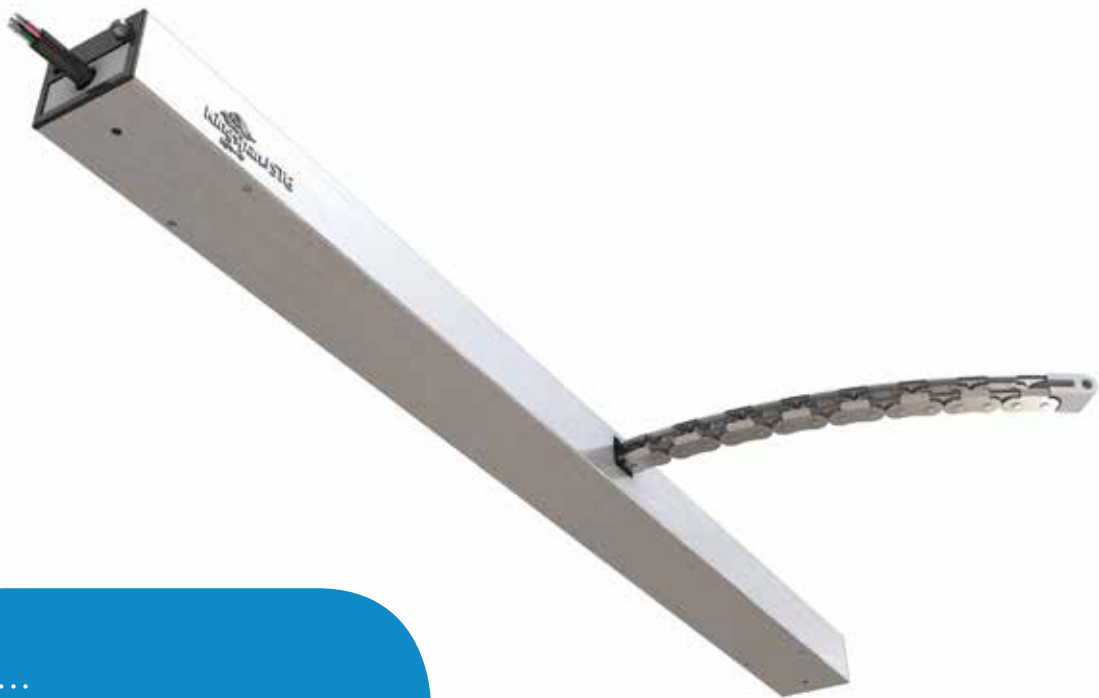


CHAIN DRIVE CDs ^{New}

Narrow, intelligent drive with a wide range of configuration options - for surface mounting



Easy ...
... slide in the connectors!
... click in bracket!
... completely assembled!

24 V CHAIN DRIVE CDs

FOR NATURAL VENTILATION AND SMOKE AND HEAT EXTRACTION

WITH 300 N PRESSING AND TRACTIVE FORCE

New, compact, intelligent window drive for surface mounting. Opens and closes façade windows with low noise emission, ideal for daily ventilation operation.

With electrical connection on both sides for easy connection of several drives to one window sash.

Extensive configuration options with EasyDrive software, simple basic configuration even on site without PC.

The use of modern microprocessor technology enables drives to be connected with each other and with up to two locking motors via the EasyDrive-BUS, as well as behaviour adapted to the structural conditions, e.g. at different speeds or forces along the travel path.

- In windows, façades and conservatories
- Basic configuration: Adjustment of the opening width - possible without further aids - also on site at the construction site, teach-in of closing position, synchronisation, integration of locking motor
- Running speed in OPEN and CLOSE direction can be reduced to < 5 mm/s
- Reverse on detection of overload in CLOSE direction
- Integrated signal contact, configurable for message OPEN, CLOSE or intermediate position



CDs with wing bracket on bottom-hung window



CDs on a side-hung window



Frame bracket CDs-R

SPECIAL BENEFITS

- Small dimensions, large forces
- Large opening angles possible
- Low overall height
- Stainless steel chain
- Simple installation by means of click fastening
 - both on the frame and on the sash - with slim brackets and concealed fastening screws
- Connectors can be connected on both sides
- Intelligent EasyDrive electronics
- Allows synchronous operation of up to 4 drives and the additional connection of up to two locking motors

CONFIGURATION

You discover on the construction site that the opening width of the ordered drives does not fit?

No problem!

With a simple wire bridge you can change the basic configuration of the drives on site.

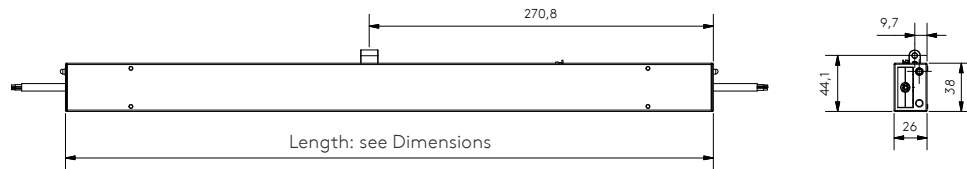
With a wire bridge you can do it very easily:

- Change the opening width
- Synchronized drives and lock motors add or remove
- Redefining the zero position (= closing position)

Extended functions are available via the EasyDrive Software adjustable, e.g:

- Seal closure
- Opening width
- Entrapment protection device: closing speed < 5 mm/s
- Four speed ranges
- Four force ranges
- Signal contact: OPEN | CLOSE | Position
- Locking direction locking motor
- Online actuator travel OPEN | CLOSE | Position

TECHNICAL SPECIFICATIONS



Electrical Properties

| | |
|-------------------------------------|--|
| Rated voltage | 24 V DC (-15 % / +25 %) |
| Permissible ripple in rated voltage | 2 V _{ss} |
| Rated current | approx. 1 A at 300 N |
| Cutoff | integrated electronic max. load cutoff |
| Protection class | III |

Mechanical Properties

| | |
|------------------------|--|
| Stroke length, approx. | 200, 400 und 600 mm (Reduction of opening width possible) |
| Pressing force | max. 300 N, Pressure load capacity of the chain depending on the opening width |
| Tractive force | max. 300 N |
| Locking force | max. 3000 N |
| Running speed | 4-10 mm/s (adjustable) |
| Duty cycle | DC 30 (10 min) |
| Service life | >10,000 cycles |
| Dimensions (L x H x D) | CDs/200 = 510 x 26 x 38 mm CDs/400 = 610 x 26 x 38 mm CDs/600 = 710 x 26 x 38 mm |

Electrical Connection

| | |
|------------|--|
| Connection | 6-core connecting cable, not included in scope of delivery |
|------------|--|

Installation and Ambient Conditions

| | |
|---------------------|------------------|
| Ambient temperature | -10 °C to +60 °C |
| Protection category | IP 20 |

Approvals and Certificates

| | |
|-------------|-----|
| Type tested | TÜV |
|-------------|-----|

ORDER INFORMATION

| Name | Item No. |
|--|-------------|
| CDs/EasyDrive/2/200-200N/RWA | 13337020204 |
| CDs/EasyDrive/2/400-200N/RWA | 13337020404 |
| CDs/EasyDrive/2/600-200N/RWA | 13337020604 |
| Frame bracket CDs-R | on request |
| Wing bracket CDs-F | on request |
| Turnstile CDs-F, blocks the rotation of the CDs in the bracket | on request |

Colour silver grey or RAL on request

Germany

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