



ACB chain drive - freely configurable - CDC-1-ACB

24 V DC / Special production according to customer requirements

Electromotive drive unit for the integrated, hidden installation in the window profile and for mounted installation. For the convenient motorised opening and closing of windows and flaps. Useable for smoke exhaust (SHEV), D+H Euro SHEV in accordance with EN 12101-2 as well as for natural ventilation. Can be combined with D+H locking drives.

Performance features:

Integrated, freely programmable electronic shut-down device to prevent a defect in the event of an overload on the window or drive.
 Integrated Advanced Communication Bus interface (ACB) with open Modbus RTU protocol.
 The drive is integrated directly via open BUS communication through the ACB (Advanced Communication Bus), e.g. in a building management system (building automation).
 Low operating noises thanks to the innovative acoustic decoupling of the drive components.
 High-precise motor- and synchron electronic for parallel run for up to 8 drives.
 Corrosion-protected, hardened, rigid backing steel chain, maintenance free by lifetime lubrication.
 High-speed function (HS) for especially fast opening windows in case of fire (SHEV).
 Various adjustable drive parameters (stroke, force, speed).
 Gasket protection thanks to the automatic relief of pressure on window gasket after a closing process.
 Low wiring effort with an option of looping in up to 3 drives.
 Easy installation thanks to polarity reversal protection connector system.
 Connection from either the left or the right side is possible (supply includes BUS signals).
 Individual parameterising via D+H software SCS. Secure SHEV-Bus communication via an encrypted data transfer between D+H Mechatronic AG control panels and drives.
 Directly controlling the drive using the ACB is possible.
 The drive is set to the pole change operation at the factory by default.
 Control with perfect positioning and feedback including information about the CURRENT position.
 Status messages such as the drive's OPEN and CLOSED signal are issued directly via ACB communication.
 The general status of the drive, such as the total travel path, number of control units, diagnostics and the emergency drive function can be evaluated.

Extension functions:

Option "SBD/SBU" - Corrosion protected, hardened steel chain in side bow design for low sash heights
Option "ZB" - Drawbridge application for side installation of the drive on the window
Option "CP" - Customized drive function programming, e.g. operation speed, force and stroke
Option "HP" - Stroke programming
Option "VP" - Signal programming for connection with D+H BSY+ locking drives
Option "KM" - Strong motor gearbox with increased power up to 400 N for opening and closing of heavy parallel opening and projected top-hung windows
Option "LS" - Low-speed programming in CLOSE direction 5 mm/s
Option "SA" - End position message "switch OPEN"
Option "SZ" - End position message "switch CLOSED"
Option "SA-SZ" - End position message "switch OPEN" und "switch CLOSED"
Option "AS2" - Acoustic signal according to protection class 2 MaschRL/42/EG
Option "AS3" - Acoustic signal according to protection class 3 MaschRL/42/EG
Option "SKS" - Direct connection of an anti-pitch strip or an optical sensor for closing edge monitoring at the drive possible
Option "special colour" - Colour coating for perfect integration into façade optics according to RAL, DB, NCS

Technical data:

Supply: 24 V DC / ±15 %

Current consumption:

0.6 A (at 350 mm stroke)

0.8 A (at 500 + 600 mm stroke)

1 A (at 700 mm stroke)

1 A (at 800 - 1300 mm stroke)

Duty cycle: 30 % (ON: 3 min. / OFF: 7 min.)

Shutdown: Integrated electronic load shutdown

Configuration: Main or Sub

Design: Right or left

Force of pressure: 250 N

Tensile force: 250 N

Nominal locking force **: 1500 N

Service life: 20000 double strokes *

Stroke: 300 mm - 1300 mm

OPEN running speed: 6.7 mm/s

OPEN running speed - SHEV:

9.4 mm/s (at 350 mm stroke)

13.6 mm/s (at 500 + 700 mm stroke)

15 mm/s (at 800 - 1300 mm stroke)

CLOSED running speed:

5 mm/s (at 350 mm stroke)

6.7 mm/s (at 500 + 700 mm stroke)

6.7 mm/s (at 800 - 1300 mm stroke)

Type of protection: IP 32

Emission sound pressure level: $L_p \leq 35$ dB(A)

Temperature range: -15 °C (-5 °C ***) ... +75 °C

Fire resistance: B300 (30 min / 300 °C)

Housing: Aluminium

Colour: Special colour according to RAL/DB/NCS

Connection: Silicone cable

W x H x D: 405-885 (stroke-dependent) x 30 x 39 mm

* For vertical use, please consult with D+H Sales!

** Depending on the mounting, *** in accordance with VdS 2580

Scope of supply:

Drive unit with silicone connection cable with system plug, instruction for use

Brand: D+H

Type: CDC-1-ACB

Art. No.: 26.100.00

Quantity: pcs Price: EUR TP: EUR

The D+H partner on site is at your disposal for design variants.

<https://www.dh-partner.com/hr/hr/usluge/savjetovanje-i-podrska-u-planiranju>

Important information:

This product description does not constitute a tender. The responsibility for compliance with public procurement law requirements lies with the tendering planner or architect.

Installation and commissioning in accordance with the manufacturer's instructions.

Subject to technical changes.