

- 1 D+H Mechatronic (english)**
- 1.1 CDM Series - ACB drives**
- 1.1.1 ACB chain drive - CDM-1000-1000-1-ACB M1**

**24 V DC / 3 A / 1000 N / 1000 mm stroke****Performance features:**

Electromotive drive unit for mounting on the window frame profile.

Drive for electromotive opening and closing of extremely heavy windows and flaps in façade and roof areas.

Can be combined with all D+H locking drives.

The drive is equipped with microprocessor-controlled motor and synchronous electronic BSY+ for a precise synchronous running of four drives. Low wiring effort with an option of looping in up to 2 drives. Drive functions and performance features are individually programmable via the D+H software SCS. Integrated ACB (Advanced Communication Bus) BUS interface with ModBus protocol. Direct integration via open BUS communication through the ACB (Advanced Communication Bus), e.g. in a building management system (building automation). High-speed function (HS) for especially fast opening windows in case of fire (SHEV). Low operating noises thanks to the innovative acoustic decoupling of the drive components. Use of a wear-free brushless motor with high efficiency. The drive is available with special chain stabilisation with corrosion protection and lifetime lubrication. Drive chain with symmetrical chain outlet for easy installation and an appealing design due to compact design.

A multi-stage anti-trap protection system (runtime, force/power, stroke) comes standard and can be set via the D+H software SCS. In order to reduce the permanent load on the gasket, a relief of pressure on window gasket is performed after the elements have been closed. Easy installation thanks to a polarity reversal protection connector system.

**Technical data:**

Operating voltage: 24 V DC /  $\pm 15\%$

Current consumption: 3 A

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

Shutdown: Integrated electronic load cut-off

Configuration: Main 1

Force of pressure: 1000 N (note pressure load diagram)

Tensile force: 1000 N

Nominal locking force: 3500 N

Service life: 20000 double strokes

Stroke length: 1000 mm /  $\pm 2\%$

OPEN running speed: 7 mm/s

OPEN running speed - SHEV: 18.5 mm/s

CLOSED running speed: 5 mm/s

Type of protection: IP 42

Emission sound pressure level:  $L_p A \leq 45$  dB(A)

Temperature range: -15 °C till +75 °C

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

Housing: Aluminium

Surface: Powder-coated

Colour: White aluminium (~ RAL 9006)

Connection: Silicone cable (must be ordered separately)

Dimensions (WxHxD): 735 x 53 x 90 mm

**Scope of supply:**

Drive unit, instruction for use

The drive is supplied without connection cable.

Pre-assembled silicone cables with connector plugs must be ordered separately.

Brand: D+H Mechatronic AG  
Type: CDM-1000-1000-1-ACB M1

[Planning Support](#)

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