

- 1 D+H Mechatronic (english)**
- 1.1 KA Series - ACB drives**
- 1.1.1 ACB chain drive - KA-ACB - freely configurable**

#### **24 V DC / Special production according to customer requirements**

##### **Performance features:**

Electromotive drive unit, (up to 8 drives in one synchronous group possible), for mounting on the window frame profile or sash profile. Drive for electromotive opening and closing of windows and flaps with high weights. Integrated bus interface ACB (Advanced Communication Bus) with Modbus protocol. Direct integration of the drive through open bus communication via ACB (Advanced Communication Bus). Drive functions and performance features are individually programmable via the D+H software SCS. Can be used for openings for smoke exhaust; D+H Euro SHEV in accordance with EN 12101-2; and for daily ventilation. High-speed function (HS) for especially fast opening windows in case of fire (SHEV). Particularly quiet function in ventilation mode. Multi-stage anti-trap protection system regularly on board and via D+H software adjustable. 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.

**Note:** The following functional features are **NOT** possible:

- No KA-TW possible
- No looping through of the ACB at the drive possible
- No KA-K (230V version) possible
- Limited compatibility for connection to existing D+H central units. The restriction concerns the supply voltage. Residual ripple  $\leq 2V_{pp}$ .
- Fast run only via ACB via the CPS-M or CPS-B

##### **Technical data:**

(per drive)

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

Current consumption:

1 A (KA 34)

1.4 A (KA 54)

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

Configuration: **Main or Sub**

Design: **Right or Left**

Force of pressure:

300 N (KA 34)

500 N (KA 54)

(note pressure load diagram)

+ 20 % cut-off reserve (temporary)

Tensile force:

300 N (KA 34)

500 N (KA 54)

Nominal locking force \*\*: Max. 2600 N (2000 N \*\*\*)

Service life: 20000 double strokes \*

Stroke length: **250 mm - 1300 mm**

OPEN running speed: 7 mm/s

OPEN running speed - SHEV:

12.2 mm/s (KA 34)

13.3 mm/s (KA 54)

CLOSED running speed: 7 mm/s

Type of protection: IP 32

Emission sound pressure level:  $L_pA \leq 70$  dB(A)

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

Fire resistance: B300 (30 min / 300 °C)  
Housing: Aluminium  
Surface: **on request**  
Colour: **on request**  
Connection: 2,5 m - 12,5 m Silicone cable  
Dimensions (WxHxD): **421-902 x 40 x 59 mm**

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

\*\* Depending on the mounting

\*\*\* In accordance with VdS 2580

**Scope of supply:**

Drive unit(s) with silicone connection cable, instruction for use

Brand: D+H Mechatronic AG

Type: KA-ACB

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

[Planning Support](#)

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**Quantity:** ..... Stk    **Preis:** ..... €    **TP:** ..... €