

1 D+H Mechatronic (english)**1.1 KA Series - PLP drives****1.1.1 PLP chain drive - KA 54/800****24 V DC / 1.4 A / 500 N / 800 mm stroke****Performance features:**

Electromotive drive unit for mounting on the window frame profile or sash profile. Drive for electromotive opening and closing of windows and flaps. The drive is equipped with motor electronics controlled via microprocessor. Drive functions and performance features are individually programmable via Powerline (PLP) and 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). Passive and active anti-trap protection system 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. The power supply can be connected either from left or right.

Technical data:

Operating voltage: 24 V DC / $\pm 15\%$
Current consumption: 1.4 A
Duty cycle: 30 % (ON: 3 min. / OFF: 7 min.)
Force of pressure: 500 N (note pressure load diagram)
+ 20 % cut-off reserve (temporary)
Tensile force: 500 N
Nominal locking force **: Max. 2600 N (2000 N ***)
Service life: 20000 double strokes *
Stroke length: 800 mm
OPEN running speed: 11.8 mm/s
OPEN running speed - SHEV: 13.3 mm/s
CLOSED running speed: 11.8 mm/s
Type of protection: IP 32
Emission sound pressure level: $L_p A \leq 70$ dB(A)
Temperature range: -15 °C (-5 °C ***) till +75 °C
Fire resistance: B300 (30 min / 300 °C)
Housing: Aluminium
Surface: Powder-coated
Colour: White aluminium (~ RAL 9006)
Connection: 2.5 m silicone cable
Dimensions (WxHxD): 646 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 with 2.5 m silicone connection cable, instruction for use

Brand: D+H Mechatronic AG

Type: KA 54/800

Planning Support

Artikelnr.: 26.001.30

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

