

1 D+H Mechatronic AG

Company Information

D+H Mechatronic AG

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1.1 CDP Series - BSY+ drives

1.1.1 BSY+ High-performance chain drive - CDP-TW-K-BSY+ - freely configurable



230 V AC / Special production according to customer requirements

Performance features:

Electromotive drive unit for mounting on the window frame profile. Drive for electromotive opening and closing of extremely heavy windows and flaps. The drive is equipped with motor electronics controlled via microprocessor BSY+ for precise synchronous operation one window element. Drive chain with symmetrical chain outlet for easy installation and an appealing design due to narrow construction. Synchronisation of up to 4 drives via microprocessor-controlled BSY+ technology is possible. 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 drive in daily ventilation mode. A multi-stage 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. . Power supply and BSY+ signals can be looped through the drive. The power supply can be connected either from left or right. Direct control via 230 V AC.

Technical data:

Operating voltage: 230 V AC / $\pm 10\%$ / 50 Hz

Performance:

100 W / 142 VA (CDP-TW 1600-K-BSY+)

120 W / 160 VA (CDP-TW 2000-K-BSY+)

160 W / 214 VA (CDP-TW 3000-K-BSY+)

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

Force of pressure:

1600 N (CDP-TW 1600-K-BSY+)

2000 N (CDP-TW 2000-K-BSY+)

3000 N (CDP-TW 3000-K-BSY+)

(note pressure load diagram)

Tensile force:

1600 N (CDP-TW 1600-K-BSY+)

2000 N (CDP-TW 2000-K-BSY+)

2000 N (CDP-TW 3000-K-BSY+)

Nominal locking force *: 6000 N

Service life: > 10000 double strokes
Stroke length: **800 mm - 1500 mm**
OPEN running speed: 6 mm/s
OPEN running speed - SHEV: 17.7 mm/s
CLOSED running speed: 6 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 / Polycarbonate (end cap)
Colour housing: **on request**
Connection: Silicone cable
Dimensions (WxHxD): **1672/2002 x 67 x 110 mm**

* Depending on the mounting

** In accordance with VdS 2580

Scope of supply:

Drive unit with silicone connection cable, instruction for use

Brand: D+H Mechatronic AG

Type: CDP-TW-K-BSY+

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

<https://www.dh-partner.com/en/service/planning-support.html>

Article number: 26.603.00

Quantity: pcs **UP:** **TP:**