

- 1 **D+H Mechatronic (english)**
- 1.1 **ZA Series - PLP drives**
- 1.1.1 **PLP rack and pinion drive - ZA-1-PLP - freely configurable**

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

### **Performance features:**

Electromotive drive unit for opening and closing of windows, flaps and skylights. The drive is equipped with motor electronics controlled via microprocessor. Programmable drive functions (stroke limitation, force, speed) and performance features on site 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) (optional). Particularly quiet drive in ventilation mode due to reduced running speed. Electronic limit stop and overload cut-off protect the element and the drive from damage. The power supply can be connected either from below or above. The drive unit can also be changed from left to right.

### **Technical data:**

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

Current consumption:

0.5 A (ZA-0300-1-PLP) (1.2 A with HS)

1 A (ZA-0800-1-PLP) (2 A with HS)

1.2 A (ZA-1000-1-PLP) (2.2 A with HS)

1.4 A (ZA-1500-1-PLP) (2.5 A with HS)

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

Force of pressure:

300 N (ZA-0300-1-PLP)

800 N (ZA-0800-1-PLP)

1000 N (ZA-1000-1-PLP)

1500 N (ZA-1500-1-PLP)

(note pressure load diagram)

+ 20 % cut-off reserve (temporary)

Tensile force:

300 N (ZA-0300-1-PLP)

800 N (ZA-0800-1-PLP)

1000 N (ZA-1000-1-PLP)

1000 N (ZA-1500-1-PLP)

Nominal locking force \*\*: Max. 1400 N (1100 N \*\*\*)

Service life: > 20000 double strokes \*

Stroke: **100 mm - 1500 mm**

OPEN running speed: 7.1 mm/s

OPEN running speed - SHEV: 8 mm/s

OPEN running speed - HS: 17 mm/s

CLOSED running speed: 7.1 mm/s

Type of protection: IP 65

Emission sound pressure level:

**LpA  $\leq$  51 dB(A)**

**LpA  $\leq$  60.5 dB(A) (with HS)**

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

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

Opening mechanic: Stainless steel rack (V2A), maintenance -free

Tube: Aluminium

Colour: **on request**

Housing motor: Polycarbonate

Colour: **on request**

Connection: Silicone cable

Dimensions (WxHxD):

**Tube 225-1662 x 30 x 30 mm**

Housing motor 160 x 104 x 46 mm

Re = 1000 double strokes

Le = 20000 double strokes \*

\* 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, eyebolt (6 mm eye), instruction for use

Brand: D+H Mechatronic AG

Type: ZA-1-PLP

***The D+H partner on site is at your disposal for design variants.***[Planning Support](#)**Artikelnr.:** 27.005.00**Quantity:** ..... **Stk**      **Preis:** ..... **€**      **TP:** ..... **€**