

- 1 D+H Mechatronic (english)**
- 1.1 SHD Series - Drives**
- 1.1.1 Side-hung vent drive - SHD 54 - freely configurable**

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

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

Electromotive drive unit for opening and closing of side-hung vent windows;  
PLP single drive (SHD 54/450) / BSY+ drive set (2 drives- SHD 54/450-BSY+ Set)  
The drive is equipped with motor electronics controlled via microprocessor;  
Drive functions and performance features are individually programmable;  
Can be used for openings for smoke exhaust; D+H Euro SHEV in accordance with EN 12101-2;  
and for daily ventilation;  
Particularly quiet drive in daily ventilation mode;  
For sash sizes up to 1.2 x 1 m (SHD 54/450) / 1.2 x 2 m (SHD 54/450-BSY+ Set);  
Opening the windows to 65° in less than 30 sec.;  
Electronic limit stop and overload cut-off;  
With integrated force and position control;  
Special chain stabilisation;  
Locking mechanism for the window in conjunction with window locking drive (optional);

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

Operating voltage: 24 V DC /  $\pm 15\%$   
Current consumption: 1 A  
Duty cycle: 30 % (ON: 3 min. / OFF: 7 min.)  
Force of pressure: 500 N  
Tensile force: 500 N  
Service life: 20000 double strokes  
Stroke length: 450 mm  
OPEN running speed: 11.8 mm/s.  
OPEN running speed - SHEV: 15.2 mm/s  
CLOSED running speed: 11.8 mm/s  
Type of protection: IP 50  
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: Powder-coated  
Colour: **on request**  
Connection: Silicone cable  
Dimensions (WxHxD): 500 x 40 x 115 mm

\* In accordance with VdS 2580

##### **Scope of supply:**

Drive unit with silicone connection cable, incl. bracket set, instruction for use

Brand: D+H Mechatronic AG

Type: SHD

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

[Planning Support](#)

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