



**BSY+ rack and pinion drive - freely configurable - ZA-K-BSY+**  
**230 V AC / Special production according to customer requirements**

**Performance features:**

Electromotive drive unit for mounted installation on the window frame profile or sash profile.

Drive for electromotive opening and closing of windows, flaps and skylights.

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).

Direct control via 230 V AC.

The drive is equipped with microprocessor-controlled motor and synchronous electronic BSY+ for a precise synchronous running at a window element.

Drive functions and different drive parameters are pre-installed at the factory or individually programmable via the D+H software SCS.

Particularly quiet daily ventilation mode.

Electronic limit stop and overload cut-off protect the element and the drive unit from damage.

The power supply can be connected either from below or above.

The drive unit can also be changed from left to right. **Extension functions:**

**Option "HS"** - High-Speed option for SHEV application possible

**Option "OT"** - Reduced swivel range by omitting the tube

**Option "CP"** - Customized drive function programming, e.g. operation speed, force and stroke

**Option "HP"** - Stroke programming

**Option "LS"** - Low-speed programming in CLOSE direction 5 mm/s

**Option "SA-SZ"** - End position message "switch OPEN" und "switch CLOSED"

**Option "AS2"** - Acoustic signal according to protection class 2 MaschRL/42/EG

**Option "AS3"** - Acoustic signal according to protection class 3 MaschRL/42/EG

**Option "W"** - Weatherproof for outdoor use

**Option "WS"** - Swimming pool protected for use in swimming pools

**Option "special colour"** - Colour coating for perfect integration into façade optics according to RAL, DB, NCS

**Technical data:**

Supply: 230 V AC / +10/-15 % / 50 Hz

Performance:

20 W / 30 VA (ZA 35-K-BSY+) (35 W / 45 VA with HS)

30 W / 45 VA (ZA 85-K-BSY+) (50 W / 75 VA with HS)

35 W / 55 VA (ZA 105-K-BSY+) (60 W / 85 VA with HS)

45 W / 70 VA (ZA 155-K-BSY+) (75 W / 105 VA with HS)

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

Configuration: Main or Sub

Design: Right or left

Force of pressure:

300 N (ZA 35-K-BSY+)

800 N (ZA 85-K-BSY+)

1000 N (ZA 105-K-BSY+)

1500 N (ZA 155-K-BSY+)

Cut-off reserve: +20% (short-term)

Tensile force:

300 N (ZA 35-K-BSY+)

800 N (ZA 85-K-BSY+)

1000 N (ZA 105-K-BSY+)

1000 N (ZA 155-K-BSY+)

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 ≤ 51 dB(A)

LpA ≤ 60.5 dB(A) (with HS)

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

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

Housing: Aluminium / Polycarbonate

Colour: Special colour according to RAL/DB/NCS

Connection: Silicone cable

W x H x D:

Tube 225-1662 (stroke-dependent) x 30 x 30 mm

Housing Motor (based on tube) 160 x 104 x 46 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 silicone connection cable, instruction for use

Brand: D+H

Type: ZA-K-BSY+

Art. No.: 27.007.01

Quantity: ..... pcs    Price: ..... EUR    TP: ..... EUR

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

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

**Important information:**

This product description does not constitute a tender. The responsibility for compliance with public procurement law requirements lies with the tendering planner or architect.

Installation and commissioning in accordance with the manufacturer's instructions.

Subject to technical changes.