ZA Series   Rack and pinion drives

D+H

ZA 85-K-BSY+

230 V AC

The ZA-85-K-BSY+ not only offers all the advantages of the ZA 35-K-BSY+ such as the synchronisation of multiple drives, it is also more powerful, delivering an impressive force/power of 800 N.

Performance features

+ Can be used for openings for smoke exhaust; D+H Euro SHEV in accordance with EN 12101-2; and for daily ventilation

+ With BSY+ motor and synchronised electronics controlled via microprocessor

+ High-speed function (HS) for especially fast opening windows in case of fire (SHEV)

+ Direct control via 230 V AC

+ Option of up to 4 drives in one synchronous group

+ Low current consumption thanks to high efficiency

+ Option of cable infeed above and below

+ Drive unit can be changed from left to right

+ Running speed in CLOSED direction decreases to 5 mm/s (passive closing edge protection)

+ Time-controlled reversing when an obstacle is detected in the CLOSED direction (active closing edge protection)

Approvals / Certificates

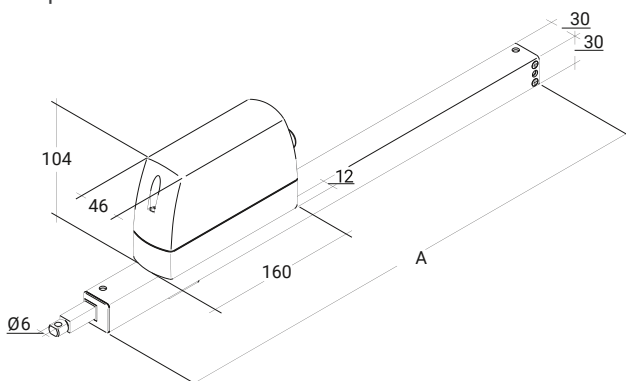Find out about permission details from your D+H Partner.

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Technical data

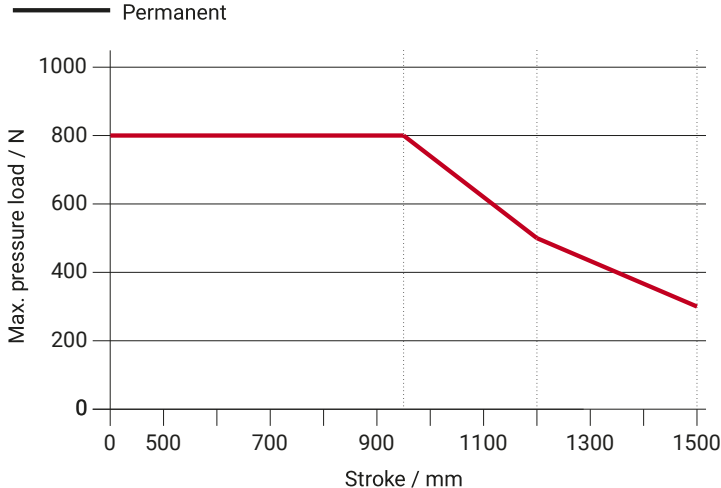|	ZA 85-K-BSY+
Supply	230 V AC / +10 % … -15 % / 50 Hz
Performance	30 W / 45 VA
Duty cycle	30 % (ON: 3 min. / OFF: 7 min.)
Force of pressure	800 N
Tensile force	800 N
Nominal locking force **	Max. 1400 N (1100 N ***)
Service life	20000 double strokes *
Stroke	Configurable
OPEN running speed	7.1 mm/s
OPEN running speed - SHEV	8 mm/s
CLOSED running speed	7.1 mm/s
Type of protection	IP 65
Emission sound pressure level	LpA ≤ 51 dB(A)
Temperature range	-15 °C (-5 °C ***) … +75 °C
Fire resistance	B300 (30 min / 300 °C)
Housing	Aluminium / Polycarbonate
Surface	Powder-coated
Colour	White aluminium (~ RAL 9006)
Connection	2.5 m silicone cable
Art. No.	27.007.01

* For vertical use, please consult with D+H Sales!

** Depending on the mounting, *** in accordance with VdS 2580

Dimensions

All specifications in mm

Pressure load diagram

Legend: Permanent

Y-axis: Max. pressure load / N (0, 200, 400, 600, 800, 1000)

X-axis: Stroke / mm (0, 500, 700, 900, 1100, 1300, 1500)

Possible applications

+ Mounted installation

+ Frame mounting

+ Sash mounting

+ Installation opposite the hinge

+ Side installation

+ Application force

+ Application tension