CDP-K-BSY+ / CDP-TW-K-BSY+



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
- Direct control via 230 V AC
- High-speed function (HS) for especially fast opening windows in case of fire (SHEV)
- Option of up to 4 drives (CDP-K-BSY+) / 2 drives (CDP-TW-K-BSY+) in one synchronous group
- Symmetrical chain outlet for easy installation
- Relief of pressure on window gasket after closing process
- Programmable drive functions and different drive parameters
- 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

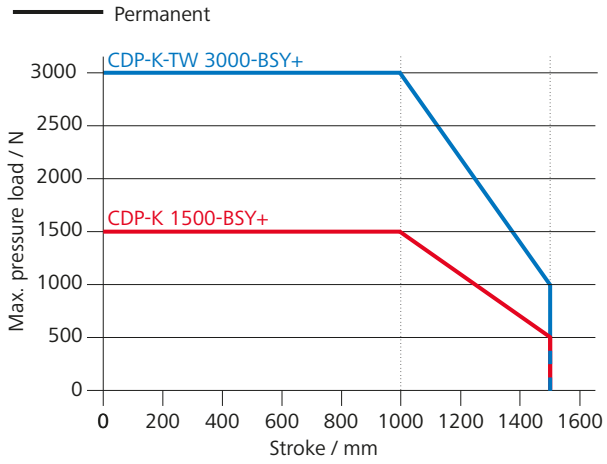
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Pressure load diagram



Technical data

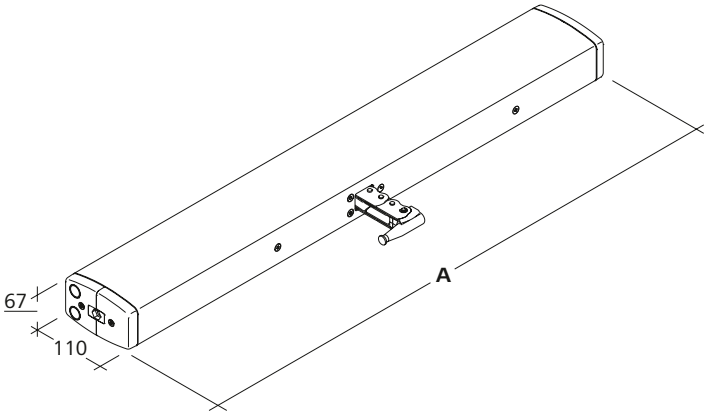
	CDP 1500-K-BSY+	CDP-TW 3000-K-BSY+
Supply	230 V AC / +10 % ... -15 %	
Input frequency	50 Hz	
Performance	80 W / 107 VA	160 W / 214 VA
Duty cycle	30 % (ON: 3 min. / OFF: 7 min.)	
Force of pressure	1500 N	3000 N
Tensile force	1000 N	2000 N
Nominal locking force	1500 N	3000 N
Service life	> 10000 double strokes	
Stroke	800 - 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	LpA ≤ 70 dB(A)	
Temperature range	-5 °C ... +75 °C	
Fire resistance	B300 (30 min / 300 °C)	
Housing	Aluminium	
Surface	Powder-coated	
Connection	2.5 m silicone cable	
Dimension A	702 - 1264 mm	1672 / 2002 mm

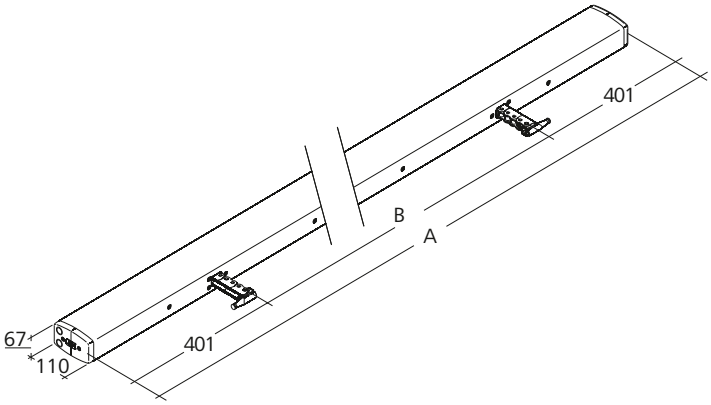
For an illustration of the dimensions, see the next page.

CDP-K-BSY+ / CDP-TW-K-BSY+

Dimensions

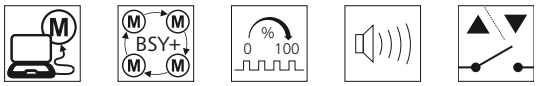
All specifications in mm





Potential drive options

You can find the explanations for the icons on the last page.



Design

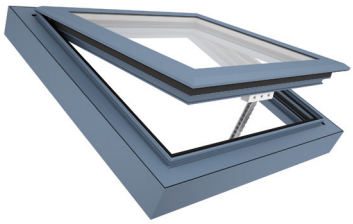
Type	Art. No.	Dimension A	Dimension B	Remark
CDP-K-BSY+	26.602.00	702 - 1264 mm		Variable equipment possible
CDP-TW-K-BSY+	26.603.00	1672 / 2002 mm	870 / 1200 mm	Variable equipment possible

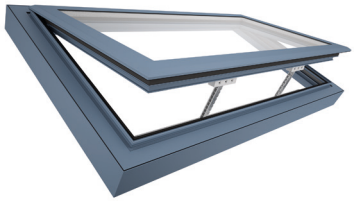
Brackets are not included and have to be ordered separately.

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Possible applications

Illustration provided as an example





- Mounted installation
- Frame mounting
- Application force
- Application tension



HS “High speed”

In the case of SHEV, the high-speed function is used for reliably reaching the defined end position in 60 s. In daily ventilation mode, the drive runs quietly and quickly, as usual.



Function programming

Option for customised configuring of drive parameters (e.g. stroke) via software and associated service tools for drives equipped with PLP, BSY or BSY+ electronics.



BRV signal

Acknowledgement from the drive, via a control cable, to confirm that it has been completely extended or retracted. When used with the AT 41 and ERM 44 modules, this signal is sent to the central building control system, the modules themselves, or to the locking drive. The BRV signal is not isolated.



ACB (Advanced Communication Bus)

Enables direct bus communication between the controller and the drive for, for example, control with perfect positioning or drive feedback. Communication is via the open source Modbus protocol, and it enables the drive to be combined with an ACB-capable control panel or enables it to be directly connected to higher-level controllers such as a building management system.



BSY+ (synchronisation of drives)

In addition to providing the same synchronisation function as BSY, BSY+ enables different components in the window to communicate with each other. For example, the chain drives, during synchronous operation, or the window and locking drives (e.g. FRA 11 BSY+ or VLD-BSY+).



SGI signal (position reporting)

In combination with the D+H servo plug-in unit SE 622 or the BSY-gateway BSY-GW-024-010-U, the drives can be controlled with perfect positioning.



SKS (closing edge protection)

Drive option, which enables an anti-trap strip or presence detector to be connected directly to the drive (terminal resistor 5.6 kΩ).



Audible signal (corresponding to protection class)

AS2 corresponding to “Protection class 2” in accordance with ZVEI risk assessment through an audible warning signal in the “CLOSED” running direction. AS3 corresponding to “Protection class 3” in accordance with ZVEI risk assessment, in addition to AS2, stops the drive for 11 s with a remaining stroke of 28 mm.



End position message (OPEN / CLOSED)

Drive feedback via an integrated isolated switching contact. This happens if the chain / rack and pinion has moved completely out or in.



SBD side bow chain

Drive chain with rigid backing, bends in the direction of the hinge. Drive is fixed in place (not rotatable).



SBU side bow chain

Drive chain with rigid backing, bends in the direction of the hinge. Drive is fixed in place (not rotatable).