CDC-0252-5-ACB





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
- Perfectly suited for profile integrated and surface mounted installation
- Low running noises thanks to the innovative acoustic decoupling of the drive components
- Direct control via 230 V AC
- Universal bracket sets for installation of all commonly available profile systems
- Flexible overall lengths for customised strokes
- Available in all RAL colours
- Integrated ACB (Advanced Communication Bus) bus interface with Modbus RTU protocol
- The drive is integrated directly via open bus communication through the ACB (Advanced Communication Bus), e.g. in a building management system

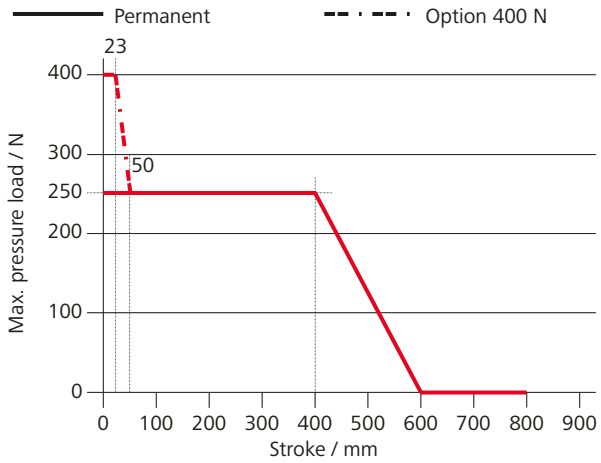
Approvals / Certificates

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

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Pressure load diagram



Technical data

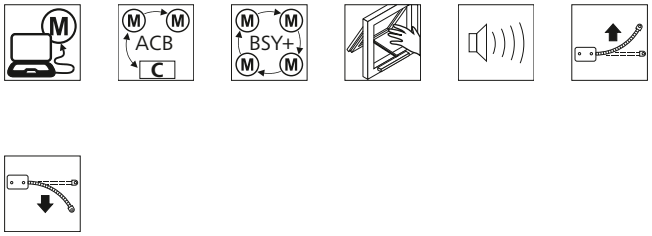
	CDC-0252-0350-5-ACB	CDC-0252-0500-5-ACB	CDC-0252-0600-5-ACB	CDC-0252-0800-5-ACB
Supply	230 V AC / +10 % ... -15 %			
Input frequency	50 Hz			
Performance	33 W / 45 VA			
Duty cycle	30 % (ON: 3 min. / OFF: 7 min.)			
Force of pressure	250 N			
Tensile force	250 N			
Nominal locking force	1500 N			
Service life	20000 double strokes *			
Stroke	350 - 1200 mm			
OPEN running speed	6.7 mm/s			
OPEN running speed - SHEV	9.4 mm/s	13.6 mm/s	13.6 mm/s	15 mm/s
CLOSED running speed	5 mm/s	6.7 mm/s	6.7 mm/s	6.7 mm/s
Type of protection	IP 32			
Emission sound pressure level	LpA ≤ 35 dB(A)			
Temperature range	-5 °C ... +75 °C			
Fire resistance	B300 (30 min / 300 °C)			
Housing	Aluminium			
Surface	Powder-coated			
Colour	White aluminium (~ RAL 9006)			
Connection	2.5 m silicone cable			
W x H x D	545 x 30 x 39 mm	625 x 30 x 39 mm	670 x 30 x 39 mm	775 x 30 x 39 mm
Weight	1.30 kg	1.40 kg	1.50 kg	1.80 kg

For an illustration of the dimensions, see the next page.
* For vertical use, please consult with D+H Sales!

CDC-0252-5-ACB

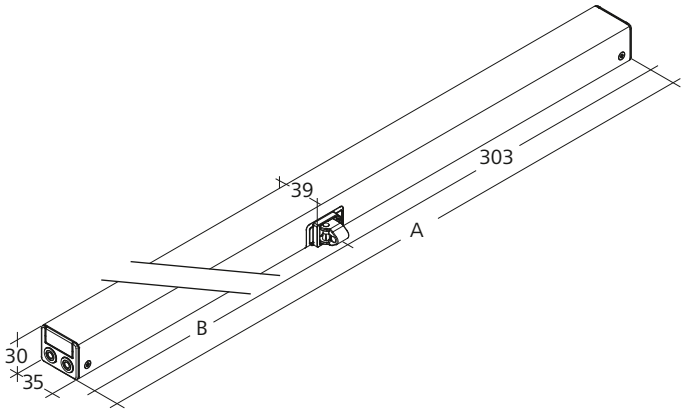
Potential drive options

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



Dimensions

All specifications in mm



Design

Type	Art. No.	Supply	Stroke	Dimension A	Dimension B	Remark
CDC-0252-0350-5-ACB M1-R	26.105.05		350 mm	545 mm	242 mm	Right type
CDC-0252-0350-5-ACB M2-R	26.105.06		350 mm	545 mm	242 mm	Right type
CDC-0252-0350-1-ACB S1-L ON	26.105.11	24 V DC / ±15 % / 0.6 A	350 mm	545 mm	242 mm	Left type, without power supply unit
CDC-0252-0500-5-ACB M1-R	26.105.55		500 mm	625 mm	322 mm	Right type
CDC-0252-0500-5-ACB M2-R	26.105.56		500 mm	625 mm	322 mm	Right type
CDC-0252-0500-1-ACB S1-L ON	26.105.61	24 V DC / ±15 % / 0.8 A	500 mm	625 mm	322 mm	Left type, without power supply unit
CDC-0252-0600-5-ACB M1-R	26.106.05		600 mm	670 mm	367 mm	Right type
CDC-0252-0600-5-ACB M2-R	26.106.06		600 mm	670 mm	367 mm	Right type
CDC-0252-0600-1-ACB S1-L ON	26.106.11	24 V DC / ±15 % / 0.8 A	600 mm	670 mm	367 mm	Left type, without power supply unit
CDC-0252-0800-5-ACB M1-R	26.107.05		800 mm	775 mm	472 mm	Right type
CDC-0252-0800-5-ACB M2-R	26.107.06		800 mm	775 mm	472 mm	Right type
CDC-0252-0800-1-ACB S1-L ON	26.107.11	24 V DC / ±15 % / 1 A	800 mm	775 mm	472 mm	Left type, without power supply unit
CDC-5-ACB	26.105.00					Variable equipment possible

Brackets are not included and have to be ordered separately.

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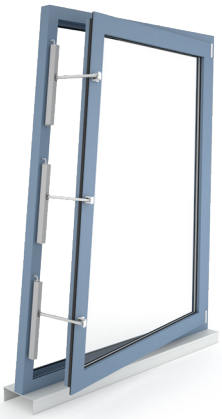
Possible applications

Illustration provided as an example













- Mounted installation
- Integrated installation
- Sash mounting
- Frame mounting
- Application force
- Application tension
- Trapezoidal application
- Drawbridge application



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).