

**1 D+H Mechatronic (english)**

**1.1 DXD Series - Drives**

**1.1.1 BSY+ High-performance rack and pinion drive - DXD 300/1000-BSY+OT-HS**

**24 V DC / 5 A / 2000 N / 1000 mm stroke**

**Performance features:**

Electromotive drive unit for mounting on the window frame profile or sash profile. Drive for electromotive opening and closing of extremely heavy 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. The drive is equipped with motor electronics controlled via microprocessor BSY+ for precise synchronous operation one window element. Synchronisation of up to 4 drives High-speed function (HS) for especially fast opening windows in case of fire (SHEV). Drive functions and different drive parameters are pre-installed at the factory (according to customer specification) or individually programmable on site via the D+H software SCS. A groove in the drive tube allows flexible installation. Particularly quiet daily ventilation mode. Electronic limit stop and overload cut-off protect the element and the drive from damage. The power supply can be connected either from below or above.

**Technical data:**

Operating voltage: 24 V DC / ±15 %  
 Current consumption: 5 A  
 Duty cycle: 30 % (ON: 3 min. / OFF: 7 min.)  
 Force of pressure:  
 2000 N continuous load  
 3000 N short time load  
 Tensile force: 2000 N  
 Nominal locking force \*\*: 2800 N  
 Service life: > 20000 double strokes \*  
 Stroke: 1000 mm  
 OPEN running speed: 7.1 mm/s  
 OPEN running speed - HS: 17 mm/s  
 CLOSED running speed: 7.1 mm/s  
 Type of protection: IP 64  
 Emission sound pressure level: LpA ≤ 70 dB(A)  
 Temperature range: -15 °C (-5 °C \*\*\*) till +75 °C  
 Fire resistance: B300 (30 min / 300 °C)  
 Tube: Aluminium, powder-coated, white aluminium (~ RAL 9006)  
 Housing motor: Polycarbonate, grey (~ RAL 7035)  
 Connection: 2.5 m silicone cable

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

\*\* Depending on the mounting

\*\*\* In accordance with VdS 2580

**Scope of supply:**

Drive unit with 2.5 m silicone connection cable, instruction for use

Brand: D+H Mechatronic AG

Type: DXD 300/1000-BSY+ OT-HS

[Planning Support](#)

**Artikelnr.:** 20.027.20

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

## 1.1.2 BSY+ High-performance rack and pinion drive - DXD 300/1000-K-BSY+ OT HS

### 230 V AC / 175 VA / 2000 N / 1000 mm stroke

#### Performance features:

Electromotive drive unit for mounting on the window frame profile or sash profile. Drive for electromotive opening and closing of extremely heavy 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. The drive is equipped with motor electronics controlled via microprocessor BSY+ for precise synchronous operation one window element. Synchronisation of up to 4 drives High-speed function (HS) for especially fast opening windows in case of fire (SHEV). Drive functions and different drive parameters are pre-installed at the factory (according to customer specification) or individually programmable on site via the D+H software SCS. A groove in the drive tube allows flexible installation. Particularly quiet daily ventilation mode. Electronic limit stop and overload cut-off protect the element and the drive from damage. The power supply can be connected either from below or above.

#### Technical data:

Operating voltage: 230 V AC /  $\pm 10\%$   
 Performance: 140 W / 175 VA  
 Duty cycle: 30 % (ON: 3 min. / OFF: 7 min.)  
 Force of pressure:  
 2000 N continuous load  
 3000 N short time load  
 Tensile force: 2000 N  
 Nominal locking force \*\*: 2800 N  
 Service life: > 20000 double strokes \*  
 Stroke: 1000 mm  
 OPEN running speed: 7.1 mm/s  
 OPEN running speed - HS: 17 mm/s  
 CLOSED running speed: 7.1 mm/s  
 Type of protection: IP 64  
 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)  
 Tube: Aluminium, powder-coated, white aluminium (~ RAL 9006)  
 Housing motor: Polycarbonate, grey (~ RAL 7035)  
 Connection: 2.5 m silicone cable

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

\*\* Depending on the mounting

\*\*\* In accordance with VdS 2580

#### Scope of supply:

Drive unit with 2.5 m silicone connection cable, instruction for use

Brand: D+H Mechatronic AG

Type: DXD 300/1000-K-BSY+ OT HS

#### [Planning Support](#)

Artikelnr.: 20.027.20

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