## PSD 40 - Shaft 8 mm hollow

· Software features: spindle compensation drive, increased breakaway performance, synchronized run

· Software modules for IO-Link: changeover of parameter set, target speed in process data and modulo function

- · Protection of internal electronics against manual operation
- · Space-saving, compact design
- · Optional rotatable actuator housing
- · Galvanically separated supply voltages between control and motor and bus
- · Precise position feedback thanks to an absolute
- measurement system without battery
- · Optional gearbox for more torque
- · Address may be set using the bus or an address switch (not for IO-Link)
- · Status LEDs visible from the outside

Self-holding torque below at approx. 60 mA supply current and 0.5 A phase current, currentless 0 Nm.

Dimensions in mm.

See link Manual(s) for documentation and software.

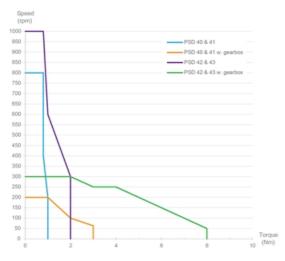
Contact us for CAD-files.

Type: Horizontal Nominal Torque (Nm): 0.8; 3 Nominal Speed (rpm): 50; 200 Nominal Voltage (V DC): 24 (± 10 %) Nominal Current (A): 2.0 Output Shaft (mm): 8 Output Shaft Type: Hollow Rotation Shaft / Housing: Direct or 0°; 90°; 180°; 270° BUS Communication: Can Open (CA); IO-Link (IO); ProfiNet (PN); EtherCat (EC); Ethernet IP (EI) Electrical connection: 0: Standard Protection Class: IP50; IP65 Motor: Stepper motor Supply Voltage: 24 V DC ± 10 % galvanically separated between motor and control Measurement System: Absolute without battery Accuracy: "±0.7 ° for versions with gearbox; ± 1.8 ° for versions without gearbox" Intermittence: Start-up duration up to 50% Manual Adjustment: No Brake: No



## PSD 40 - Shaft 8 mm hollow

## Performance Curve - Direct Drives PSD



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## **General Data**

| Designation | Nominal Torque<br>(Nm) | Nominal Speed<br>(rpm) | Nominal Current (A) | Self-holding Torque<br>(Nm) | Max. Speed (rpm) |
|-------------|------------------------|------------------------|---------------------|-----------------------------|------------------|
| PSD 401-8H  | 0.8                    | 200                    | 2.0                 | 0.4                         | 500              |
| PSD 403-8H  | 3                      | 50                     | 2.0                 | 1.5                         | 200              |
|             |                        |                        |                     |                             |                  |

| Designation | Positioning Range (rot.) |  |  |
|-------------|--------------------------|--|--|
| PSD 401-8H  | 4026                     |  |  |
| PSD 403-8H  | 986                      |  |  |

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