# PSD 40 - Shaft 14 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.

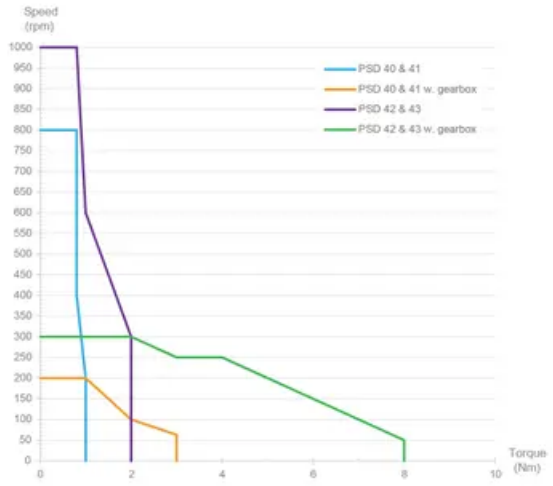
Dimensions in mm.

See link Manual(s) for documentation and software.

**Type:** Horizontal
**Nominal Voltage (V DC):** 24 (± 10 %)
**Nominal Current (A):** 2.0
**Output Shaft (mm):** 14
**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


Every care has been taken to ensure the accuracy of the information in this document, but we take no liability for any errors or omissions. We reserve the right to make changes without prior notice.

Performance Curve - Direct Drives PSD




## General Data

| Designation | Nominal Torque (Nm) | Nominal Speed (rpm) | Nominal Current (A) | Self-holding Torque (Nm) | Max. Speed (rpm) |
|---|---|---|---|---|---|
| **PSD 403-14H** | 3 | 50 | 2.0 | 1.5 | 200 |
| **PSD 401-14H** | 0.8 | 200 | 2.0 | 0.4 | 500 |

| Designation | Positioning Range (rot.) |
|---|---|
| **PSD 403-14H** | 986 |
| **PSD 401-14H** | 4026 |


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