# PSD 40 - Shaft 5 mm solid




• 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
• 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

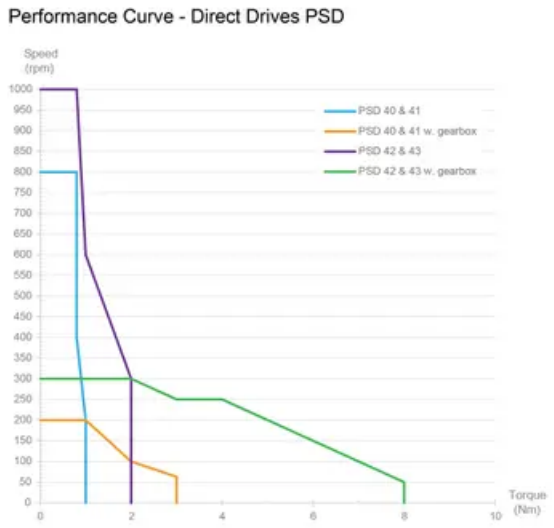
Self-holding torque below at approx. 60 mA supply current and 0.5 A phase current, currentless 0 Nm.

Dimensions in mm.

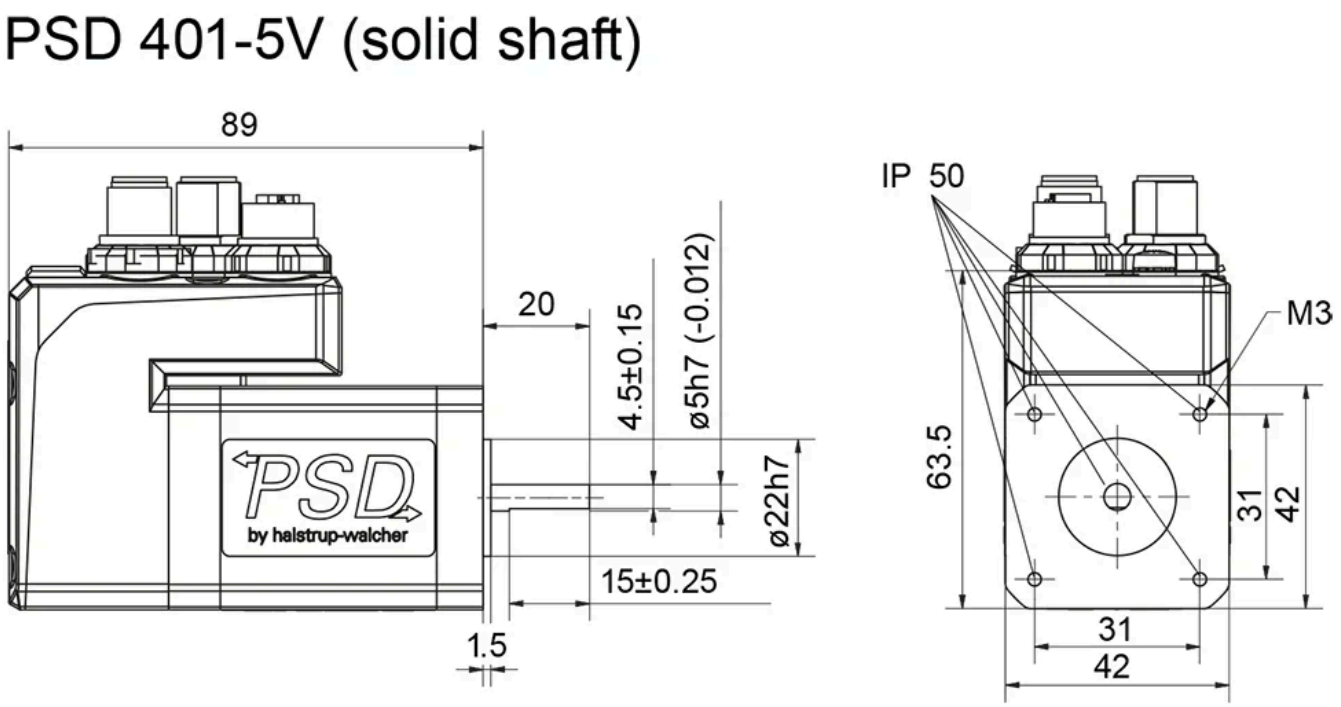
See link Manual(s) for documentation and software.

**Type:** Horizontal
**Nominal Voltage (V DC):** 24 (± 10 %)
**Nominal Current (A):** 2.0
**Output Shaft (mm):** 5
**Output Shaft Type:** Solid
**Rotation Shaft / Housing:** Direct or 0°
**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


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## General Data




| Designation | Nominal Torque (Nm) | Nominal Speed (rpm) | Nominal Current (A) | Self-holding Torque (Nm) | Max. Speed (rpm) |
|---|---|---|---|---|---|
| **PSD 401-5V** | 0.8 | 200 | 2.0 | 0.4 | 800 |

| Designation | Positioning Range (rot.) |
|---|---|
| **PSD 401-5V** | 4026 |


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