## PSD 41 - 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: Vertical

Nominal Torque (Nm): 0.8 Nominal Speed (rpm): 200

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%

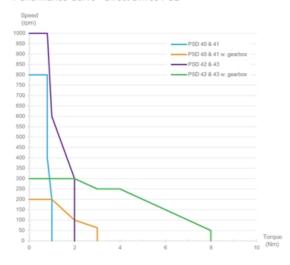
Manual Adjustment: No

Brake: No



## PSD 41 - Shaft 5 mm solid

## 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 411-5V	0.8	200	2.0	0.4	800

Designation	Positioning Range (rot.)
PSD 411-5V	4026