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 Torque (Nm): 0.8; 3 Nominal Speed (rpm): 50; 200 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%

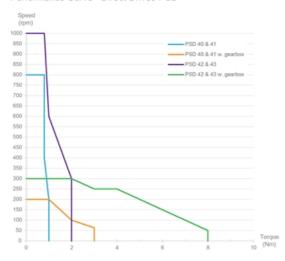
Manual Adjustment: No

Brake: No



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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