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.

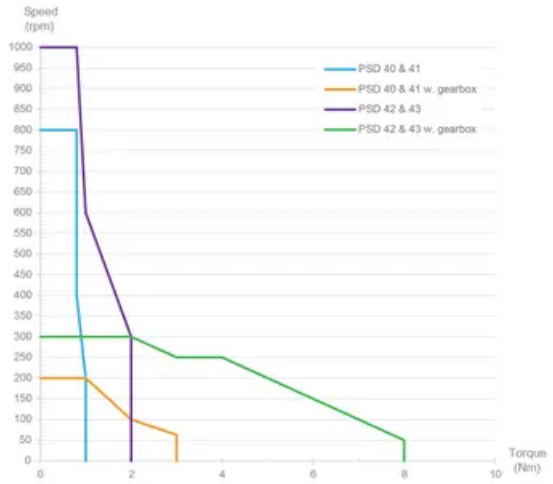
Dimensions in mm.

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

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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

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