

PSD 42 - 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
- 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. 100 mA supply current and 1,2 A phase current, currentless 0 Nm.

Dimensions in mm.

See link Manual(s) for documentation and software.

Type: Horizontal

Nominal Torque (Nm): 2; 6; 8

Nominal Speed (rpm): 50; 63; 200

Nominal Voltage (V DC): 24 ($\pm 10\%$)

Nominal Current (A): 4.0

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 $\pm 10\%$ galvanically separated between motor and control

Measurement System: Absolute without battery

Accuracy: " $\pm 0.7^\circ$ for versions with gearbox; $\pm 1.8^\circ$ for versions without gearbox"

Intermittence: Start-up duration up to 30%

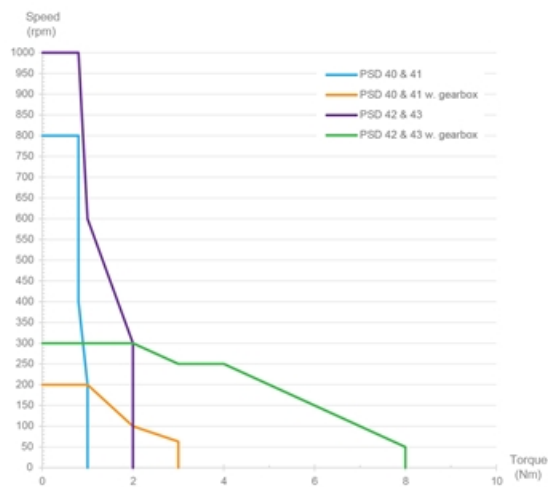
Manual Adjustment: No

Brake: No



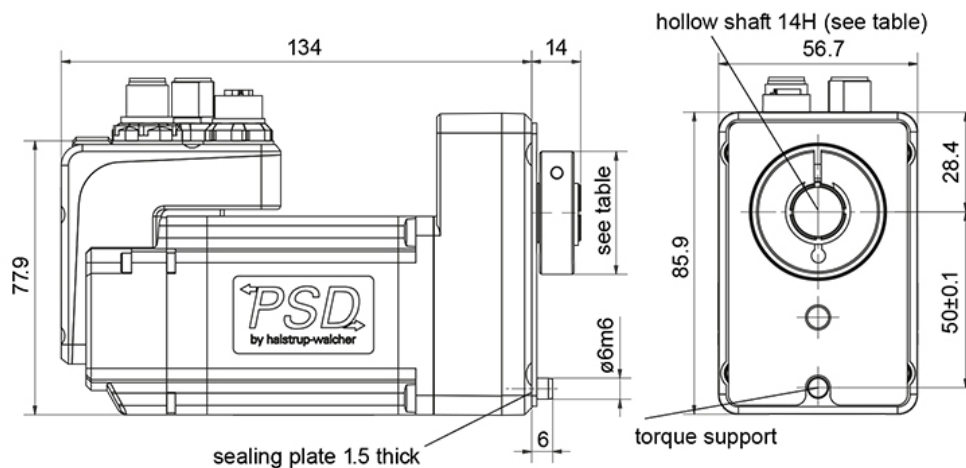
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Performance Curve - Direct Drives PSD



General Data

PSD 426-14H (hollow shaft, 6 and 8 Nm)



Hollow shaft	Tolerance	Plug depth	Ø Clamp ring	Cylinder screw
Ø14	H7	20	35	DIN 912 M4 x 16

Designation	Nominal Torque (Nm)	Nominal Speed (rpm)	Nominal Current (A)	Self-holding Torque (Nm)	Max. Speed (rpm)
PSD 422-14H	2	200	4.0	1	500
PSD 426-14H	6	63	4.0	3	300
PSD 428-14H	8	50	4.0	4	250

Designation	Positioning Range (rot.)
PSD 422-14H	4026
PSD 426-14H	1274
PSD 428-14H	977