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.

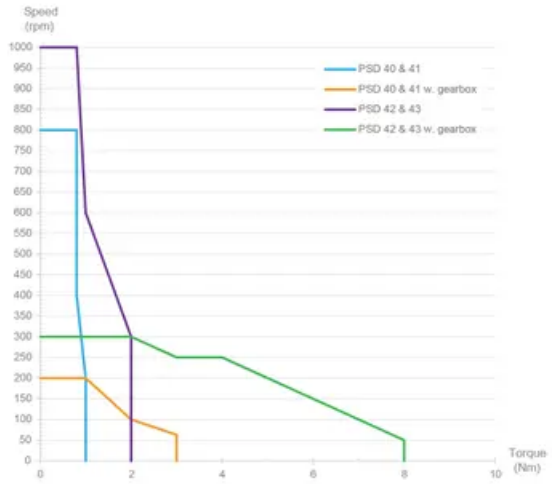
Dimensions in mm.

See link Manual(s) for documentation and software.

Type: Horizontal
Nominal Voltage (V DC): 24 (± 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 ± 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 30%
Manual Adjustment: No
Brake: No

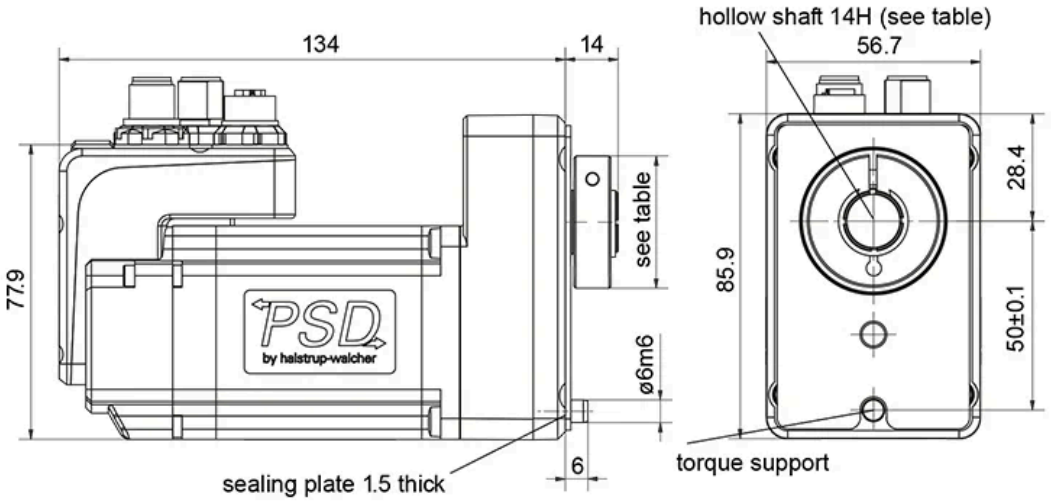
Every care has been taken to ensure the accuracy of the information in this document, but we take no liability for any errors or omissions. We reserve the right to make changes without prior notice.

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

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