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.

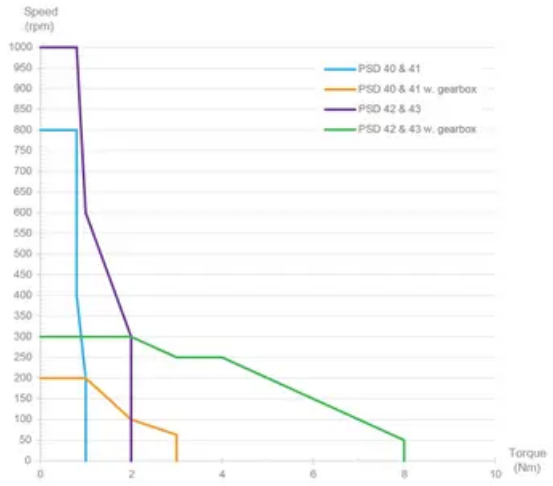
Dimensions in mm.

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

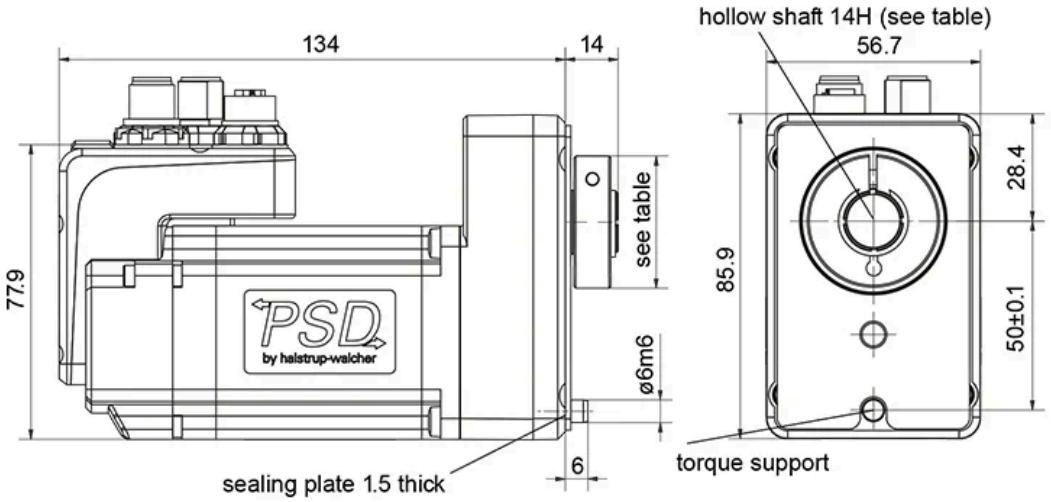
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Performance Curve - Direct Drives PSD



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

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