### 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 (± 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%

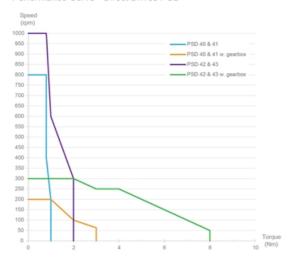
Manual Adjustment: No

Brake: No



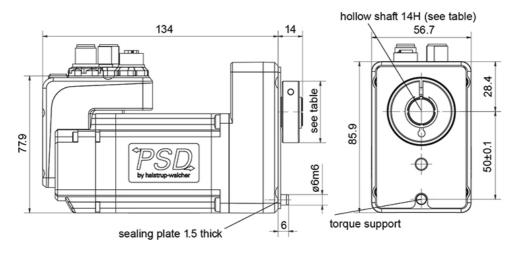
# PSD 42 - Shaft 14 mm hollow

#### 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