

PSE 31 - Shaft 8 mm hollow

- Absolute measuring system
- Position control for direct connection to a control module
- Space-saving, compact design
- Galvanically separated supply voltages between control and motor and bus
- Durable EC-motor
- Extremely accurate positioning due to measurement of the position at the output side
- Bus interfaces simplify start-up and wiring complexity
- Address may be set using the bus or an address switch (not for IO-Link)
- Baud rate set via switch
- Status messages retrievable via bus
- Partial safety function for STO (Safe Torque Off)



Dimensions in mm.

Type: Vertical

Nominal Torque (Nm): 1; 2; 5

Nominal Speed (rpm): 40; 115; 210

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

Nominal Current (A): 2.2

Output Shaft (mm): 8

Output Shaft Type: Hollow

BUS Communication: Can Open (CA); Profi Bus (DP); Device Net (DN); Modbus (MB); IO-Link (IO); ProfiNet (PN); Sercos (SE); EtherCat (EC); Ethernet IP (EI); PowerLink (PL)

Electrical connection: "Standard; with jog keys; 1 connector Y-encoded or 1 connector Y-encoded with jog keys"

Protection Class: IP54; IP65

Motor: EC-motor

Supply Voltage: 24 V DC $\pm 10\%$ galvanically separated between control and motor and bus

Measurement System: Absolute, optical-magnetic

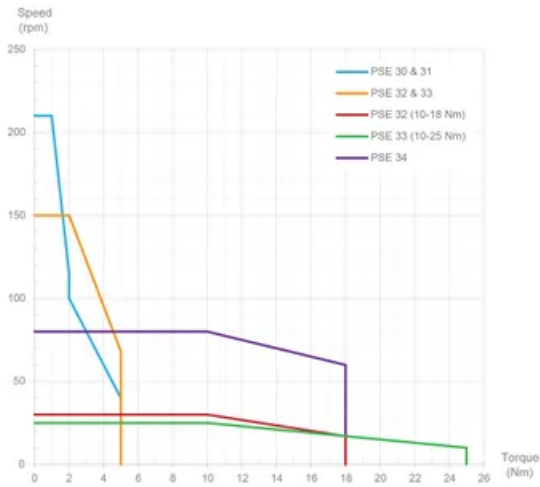
Accuracy: $\pm 0.9^\circ$

Intermittence: 30% (basis time 300 s)

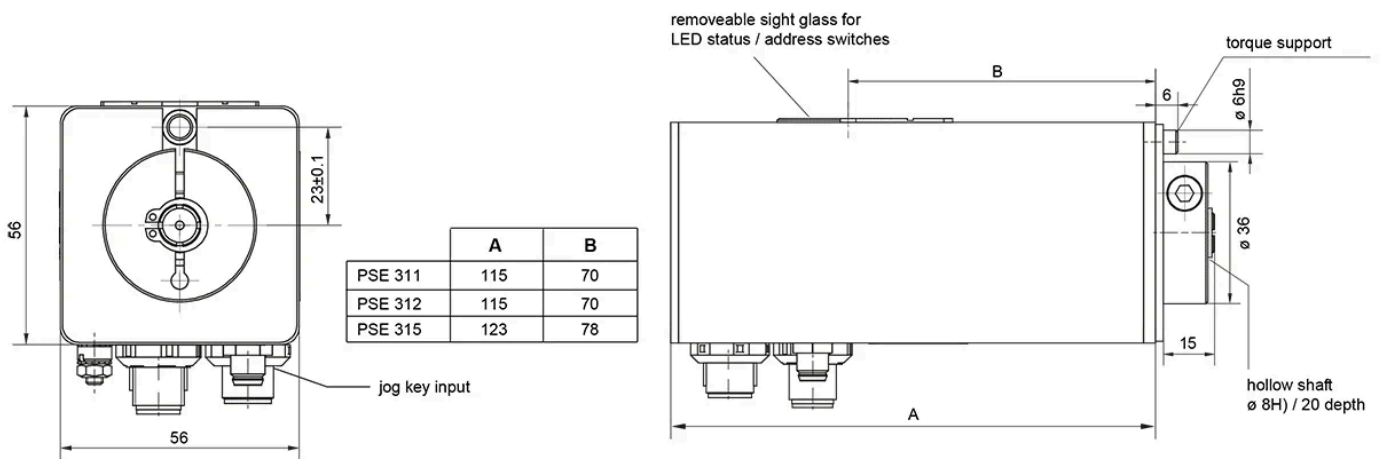
Manual Adjustment: No

Brake: No

Performance Curve - Direct Drives PSE



General Data



Designation	Nominal Torque (Nm)	Nominal Speed (rpm)	Nominal Current (A)	Self-holding Torque (Nm)	Positioning Range (rot.)
PSE 311-8	1	210	2.2	0.5	250
PSE 312-8	2	115	2.2	1	250
PSE 315-8	5	40	2.2	2.5	250