

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

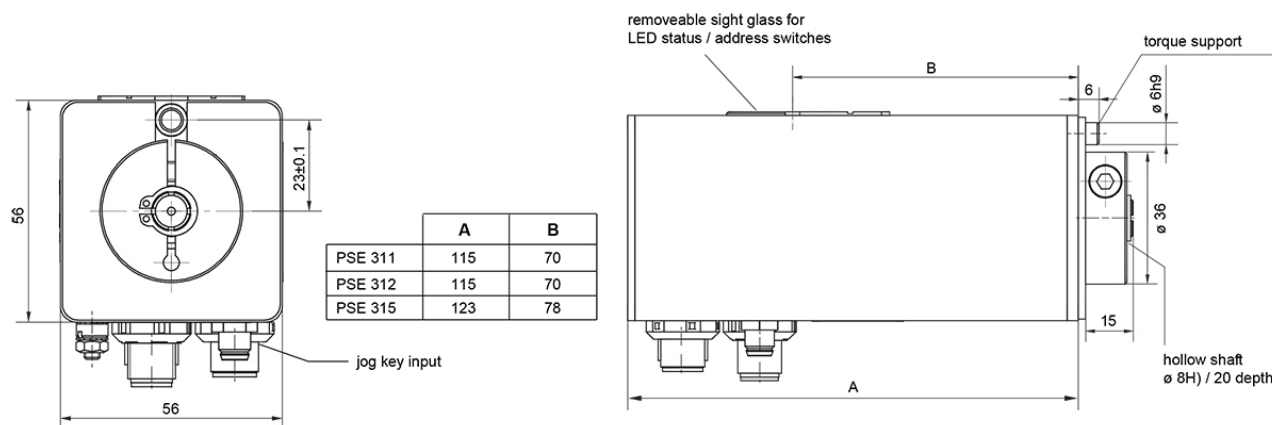
Brake: No

PSE 31 - Shaft 8 mm hollow

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 |