## 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.

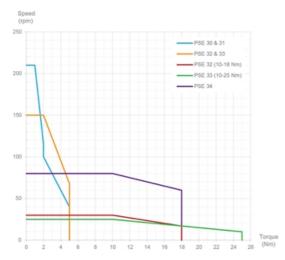
Type: Vertical Nominal Torque (Nm): 1; 2; 5 Nominal Speed (rpm): 40; 115; 210 Nominal Voltage (V DC): 24 (± 10 %) Nominal Current (A): 2.2 Output Shaft (mm): 8 Output Shaft Type: Hollow BUS Communication: Can Open (CA); Profi Bus (DP); Device Net (DN); Modbus (MB); IO-Link (IO); ProfiNet (PN); Sercos (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 ± 10 % galvanically separated between control and motor and bus Measurement System: Absolute, optical-magnetic Accuracy: ± 0.9° Intermittence: 30% (basis time 300 s) Manual Adjustment: No

Brake: No



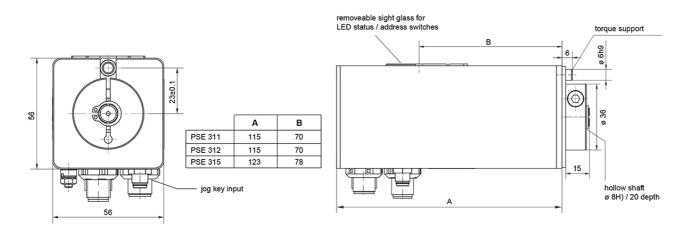
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## Performance Curve - Direct Drives PSE



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## **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

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