PSE 31 - Shaft 8 mm hollow



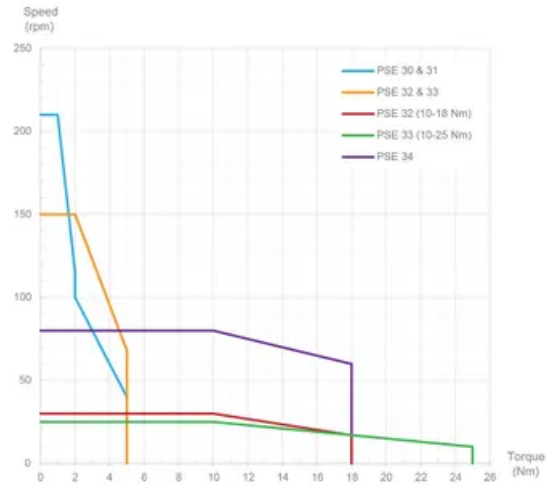
• Absolute measuring system
• Position control for direct connection to a control module
• Space-saving, compact design
• Galvanically separated supply voltages between control and motor and bus
• Durable EC-motor
• Extremely accurate positioning due to measurement of the position at the output side
• 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.

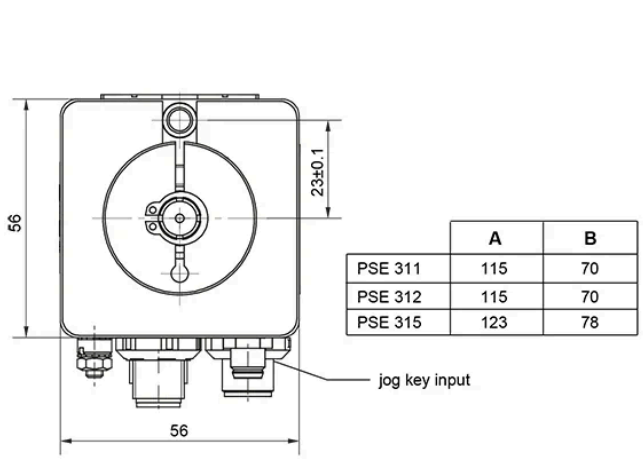
Type: Vertical
Nominal Voltage (V DC): 24 (± 10 %)
Nominal Current (A): 2.2
Output Shaft (mm): 8
Output Shaft Type: Hollow
BUS Communication: Can Open (CA); Profi Bus (DP); Device Net (DN); Modbus (MB); IO-Link (IO); ProfiNet (PN); Sercos (SE); EtherCat (EC); Ethernet IP (EI); PowerLink (PL)
Electrical 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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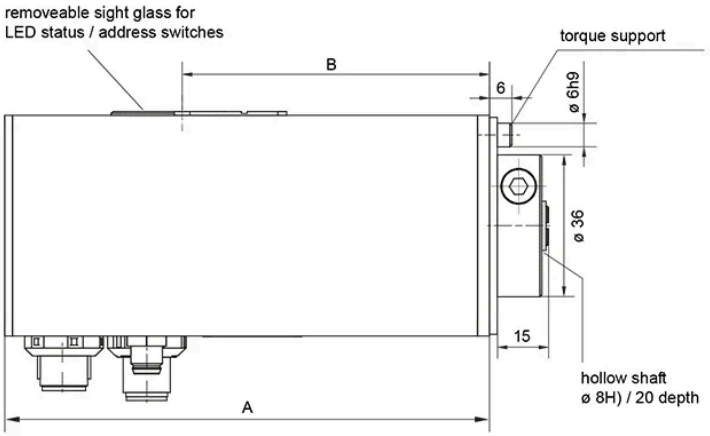
Performance Curve - Direct Drives PSE



General Data



	A	B
PSE 311	115	70
PSE 312	115	70
PSE 315	123	78



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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