PSE 31 - Shaft 8 mm hollow

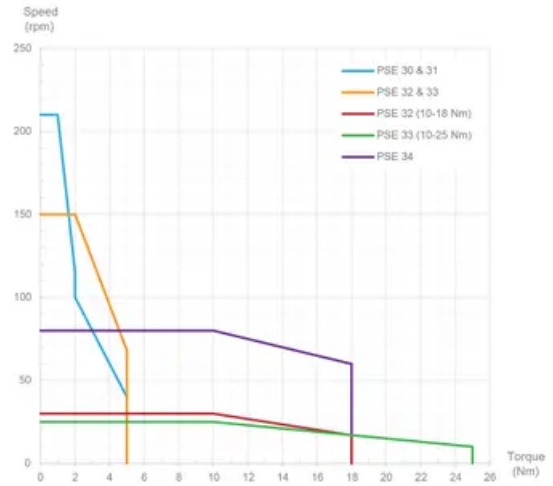
• Absolute measuring system
• Position control for direct connection to a control module
• Space-saving, compact design
• Galvanically separated supply voltages between control and motor and bus
• Durable EC-motor
• Extremely accurate positioning due to measurement of the position at the output side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

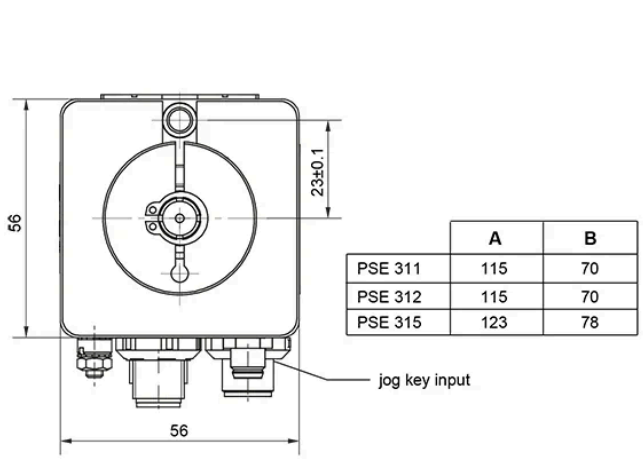
Type: Vertical
Nominal Voltage (V DC): 24 (± 10 %)
Nominal Current (A): 2.2
Output Shaft (mm): 8
Output Shaft Type: Hollow
BUS Communication: Can Open (CA); Profi Bus (DP); Device Net (DN); Modbus (MB); IO-Link (IO); ProfiNet (PN); Sercos (SE); EtherCat (EC); Ethernet IP (EI); PowerLink (PL)
Electrical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

Every care has been taken to ensure the accuracy of the information in this document, but we take no liability for any errors or omissions. We reserve the right to make changes without prior notice.

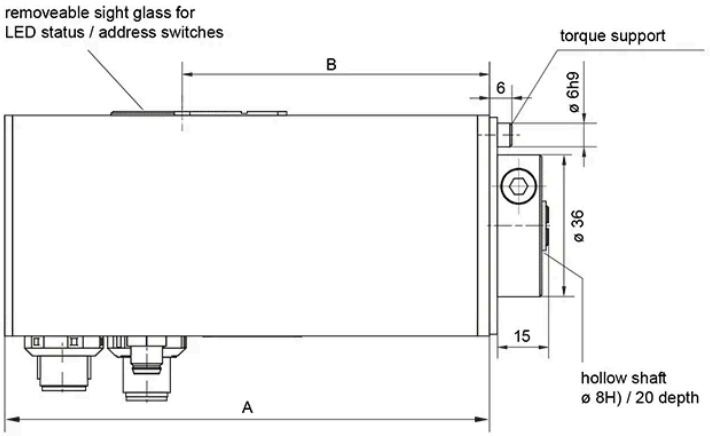
Performance Curve - Direct Drives PSE



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

Every care has been taken to ensure the accuracy of the information in this document, but we take no liability for any errors or omissions. We reserve the right to make changes without prior notice.