PSW 31 - Shaft 8 mm solid



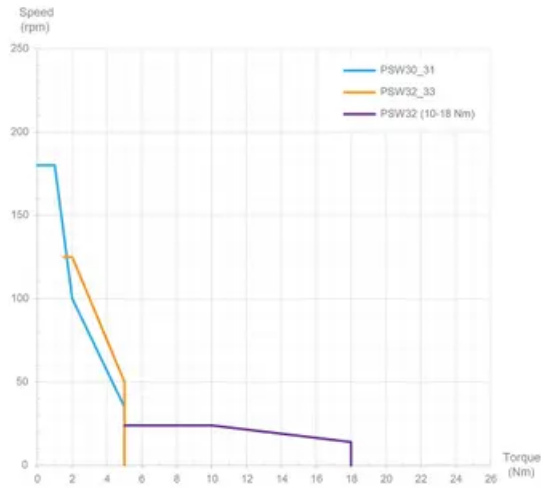
• Positioning system with IP 68
• Absolute measuring system, without battery
• Galvanically separated supply voltages between control and motor and bus
• Absolute encoder eliminates the need for reference runs during system setup and installation of replacements
• Easy address assignment directly on the device using integrated address switches (not for IO-Link)
• Manual disconnecting lever permits manual disconnection of the gearbox
• Regulation of the current torque prevents overloading and unnecessary run aborts
• Strong breakaway torque enables safe start-up even after an extended standstill
• Intelligent running behaviour. Recognises the difference between obstacles and dirt
• Spindle offset run: Excludes inconsistencies due to lash in the spindle
• Condition monitoring of supply voltage, drag error (permits optimum adjustment of current position), power consumption and torque
• Partial safety function for STO (Safe Torque Off)

Dimensions in mm.

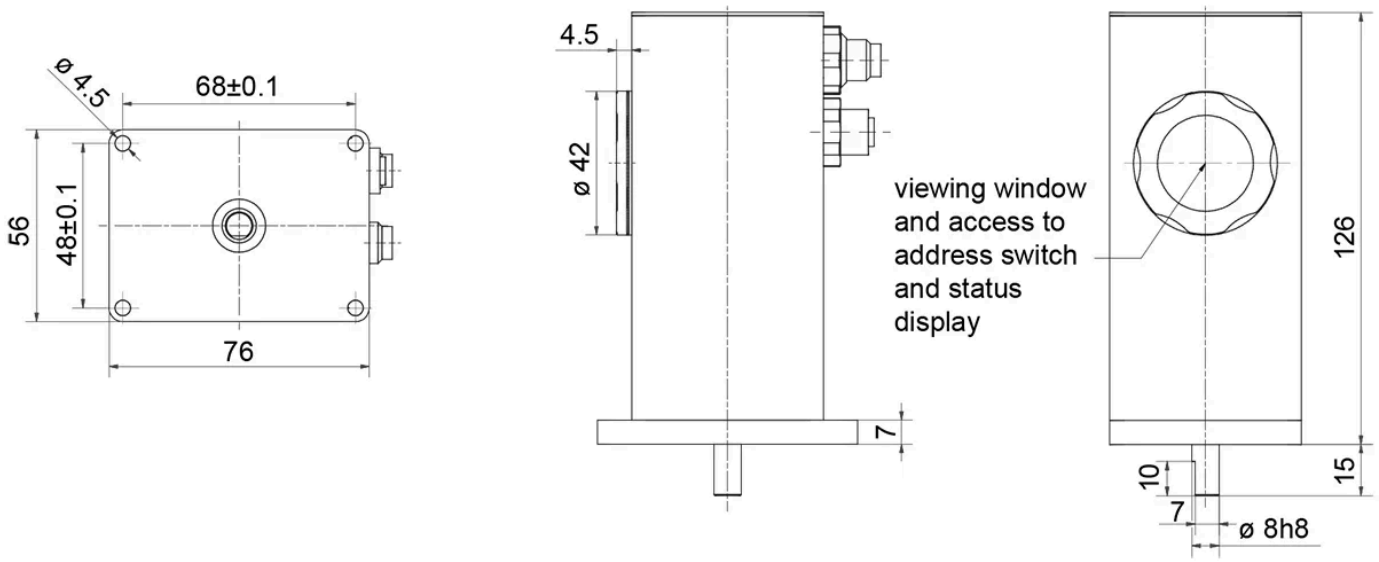
Type: Vertical
Nominal Voltage (V DC): 24 (± 10 %)
Nominal Current (A): 2.2
Output Shaft (mm): 8
Output Shaft Type: Solid
BUS Communication: Can Open (CA); Profi Bus (DP); Device Net (DN); Modbus (MB); IO-Link (IO); ProfiNet (PN); Sercos (SE); EtherCat (EC); Ethernet IP (EI); PowerLink (PL)
Electrical connection: "Standard; with jog keys; 1 connector Y-encoded or 1 connector Y-encoded with jog keys"
Protection Class: IP68
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: 20% (basis time 600 s)
Manual Adjustment: No
Brake: No
Material: All components in stainless steel. (Except for feather key, if available.)

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Performance Curve - Direct Drives PSW



General Data



Designation	Nominal Torque (Nm)	Nominal Speed (rpm)	Nominal Current (A)	Self-holding Torque (Nm)	Positioning Range (rot.)
PSW 311-8V	1	180	2.2	0.5	250
PSW 312-8V	2	100	2.2	1	250
PSW 315-8V	5	35	2.2	2.5	250

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