PSS 31 - Shaft 8 mm solid

- · Positioning system with IP 65
- 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)

• 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.

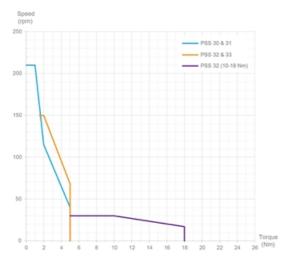
Type: Vertical Nominal Torque (Nm): 1; 2; 5 Nominal Speed (rpm): 40; 115; 210 Nominal Voltage (V DC): 24 (± 10 %) Nominal Current (A): 2.2 Output Shaft (mm): 8 Output Shaft Type: Solid BUS Communication: Can Open (CA); Profi Bus (DP); Device Net (DN); Modbus (MB); IO-Link (IO); ProfiNet (PN); Sercos (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: 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: 20% (basis time 600 s) Manual Adjustment: No Brake: No Material: Stainless steel housing. See pdf for details.



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PSS 31 - Shaft 8 mm solid

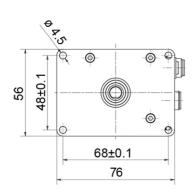
Performance Curve - Direct Drives PSS

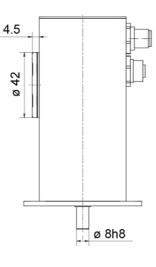


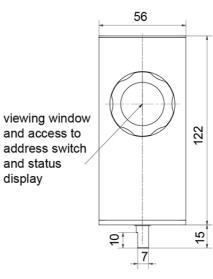
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General Data







Designation	Nominal Torque (Nm)	Nominal Speed (rpm)	Nominal Current (A)	Self-holding Torque (Nm)	Positioning Range (rot.)
PSS 311-8V	1	210	2.2	0.5	250
PSS 312-8V	2	115	2.2	1	250
PSS 315-8V	5	40	2.2	2.5	250