PSS 31 - Shaft 14 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)
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.

Contact us for CAD-files.

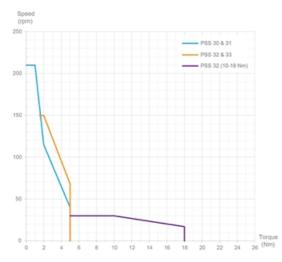
Type: Vertical Nominal Torque (Nm): 1; 2 Nominal Speed (rpm): 115; 210 Nominal Voltage (V DC): 24 (± 10 %) Nominal Current (A): 2.4 Output Shaft (mm): 14 Output Shaft Type: Solid BUS Communication: Can Open (CA); Profi Bus (DP); Device Net (DN); Modbus (MB); IO-Link (IO); ProfiNet (PN); Sercos (SE); 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: Standard Brake: Optional (holding brake) Material: Stainless steel housing. See pdf for details.



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Performance Curve - Direct Drives PSS



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General Data

viewing window and access to cover, manual address switch and status display adjustment beneath 4.5 ×. 20.5 RA 42 6. 0 Ć 0 ٢ 60±0.1 25 135 89 99.5 0 ٢ 0 $(\bigcirc$ 54.5±0.1 62.5 ო 33 g 13 ø 14h8

Designation	Nominal Torque (Nm)	Nominal Speed (rpm)	Nominal Current (A)	Self-holding Torque (Nm)	Positioning Range (rot.)
PSS 311-14V	1	210	2.4	0.5	250
PSS 312-14V	2	115	2.4	1	250

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