## PSW 31 - Shaft 14 mm hollow

- · 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 Torque (Nm): 1; 2 Nominal Speed (rpm): 100; 180 Nominal Voltage (V DC): 24 (± 10 %) Nominal Current (A): 2.4 Output Shaft (mm): 14 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: 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: Standard Brake: Optional (holding brake) Material: All components in stainless steel. (Except for feather key, if available.)

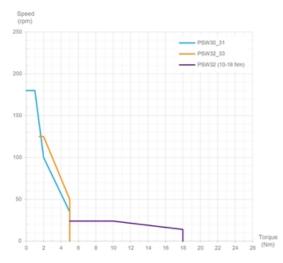


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## PSW 31 - Shaft 14 mm hollow

Performance Curve - Direct Drives PSW



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## **General Data**

cover, manual viewing window and access to address switch and status display adjustment beneath 4.5 hollow shaft ø 14H7 / 20 depth 42 Ø  $\oplus$ 25 139 103.5 20.5 30±0.1 62.5 ്യ 33 00 H  $\bigcirc$ ø 6ĥ9 screw ø 35 M4x16 DIN 912

Designation	Nominal Torque (Nm)	Nominal Speed (rpm)	Nominal Current (A)	Self-holding Torque (Nm)	Positioning Range (rot.)
PSW 311-14H	1	180	2.4	0.5	250
PSW 312-14H	2	100	2.4	1	250

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