## PSS 32 - 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: Horizontal
Nominal Torque (Nm): 2; 5
Nominal Speed (rpm): 68; 150
Nominal Voltage (V DC): 24 ( $\pm 10$ \%)
Nominal Current (A): 3.1
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 $\pm 10$ \% galvanically separated
between control and motor and bus
Measurement System: Absolute, optical-magnetic
Accuracy: $\pm 0.9^{\circ}$
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



## General Data



| Designation | Nominal Torque <br> $(\mathbf{N m})$ | Nominal Speed <br> $(\mathbf{r p m})$ | Nominal Current (A) | Self-holding Torque <br> $(\mathbf{N m})$ | Positioning Range <br> $(\mathbf{r o t .})$ |
| :--- | :---: | :---: | :---: | :---: | :---: |
| PSS 322-14V | 2 | 150 | 3.1 | 1 | 250 |
| PSS 325-14V | 5 | 68 | 3.1 | 2.5 | 250 |

