

## PSE 33 - Shaft 14 mm hollow

- Absolute measuring system
- Position control for direct connection to a control module
- Space-saving, compact design
- Galvanically separated supply voltages between control and motor and bus
- Durable EC-motor
- Extremely accurate positioning due to measurement of the position at the output side
- Bus interfaces simplify start-up and wiring complexity
- Address may be set using the bus or an address switch (not for IO-Link)
- Baud rate set via switch
- Status messages retrievable via bus
- Partial safety function for STO (Safe Torque Off)



Dimensions in mm.

**Type:** Vertical

**Nominal Torque (Nm):** 2; 5; 10; 25

**Nominal Speed (rpm):** 10; 25; 68; 150

**Nominal Voltage (V DC):** 24 ( $\pm 10\%$ )

**Nominal Current (A):** 3.1

**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:** IP54; 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:**  $\pm 0.9^\circ$

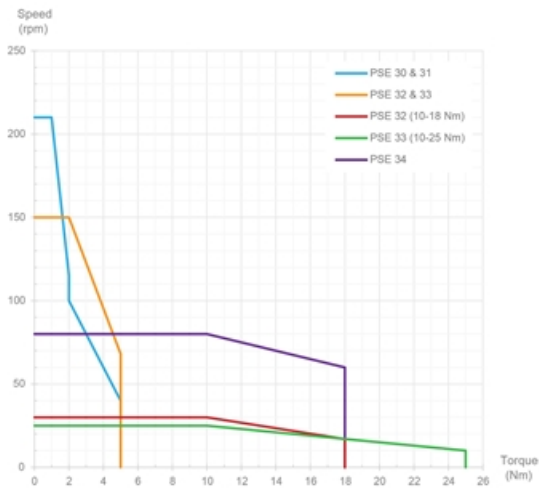
**Intermittence:** 25% (basis time 300 s)

**Manual Adjustment:** Standard

**Brake:** Optional (holding brake)

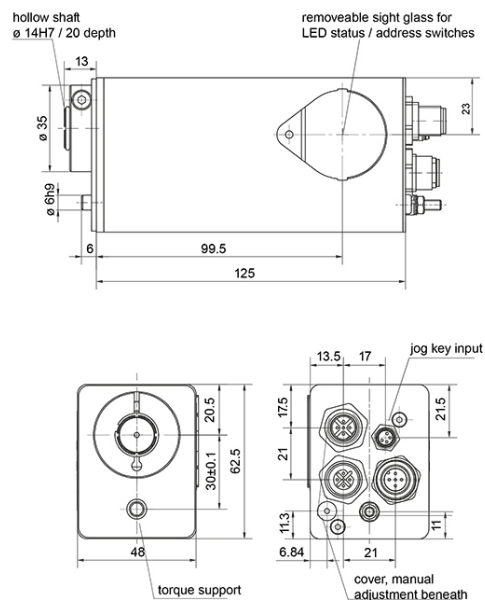
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Performance Curve - Direct Drives PSE

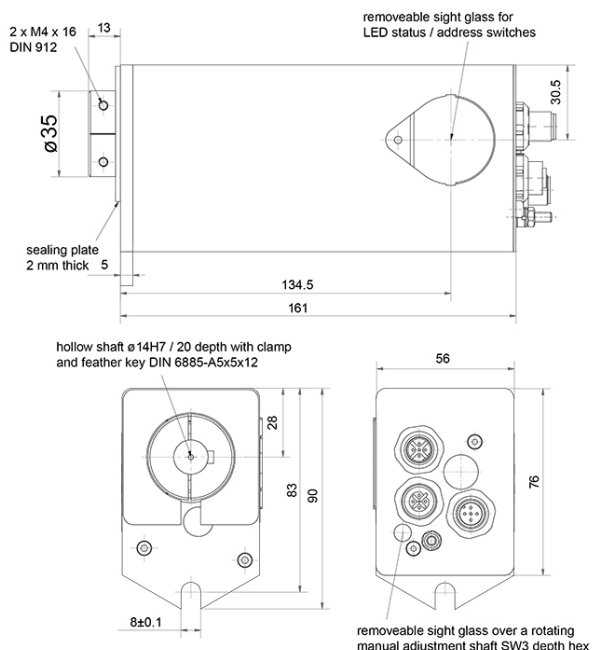


## General Data

### PSE 332 / 335-14



### PSE 3310 / 3325-14



| Designation        | Nominal Torque (Nm) | Nominal Speed (rpm) | Nominal Current (A) | Self-holding Torque (Nm) | Positioning Range (rot.) |
|--------------------|---------------------|---------------------|---------------------|--------------------------|--------------------------|
| <b>PSE 332-14</b>  | 2                   | 150                 | 3.1                 | 1                        | 250                      |
| <b>PSE 335-14</b>  | 5                   | 68                  | 3.1                 | 2.5                      | 250                      |
| <b>PSE 3310-14</b> | 10                  | 25                  | 3.1                 | 5                        | 250                      |
| <b>PSE 3325-14</b> | 25                  | 10                  | 3.1                 | 12.5                     | 250                      |