# PSE 30 - Shaft 8 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)

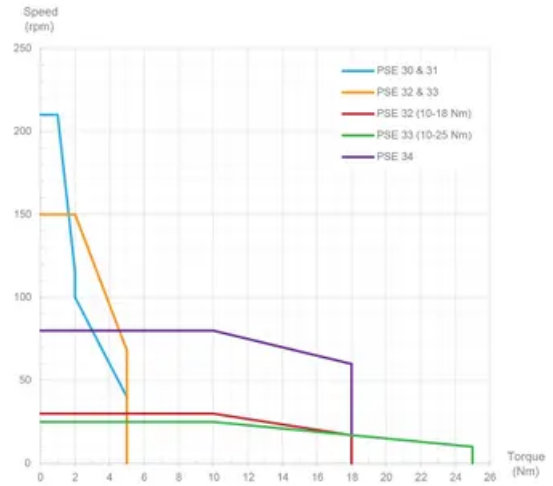



Dimensions in mm.

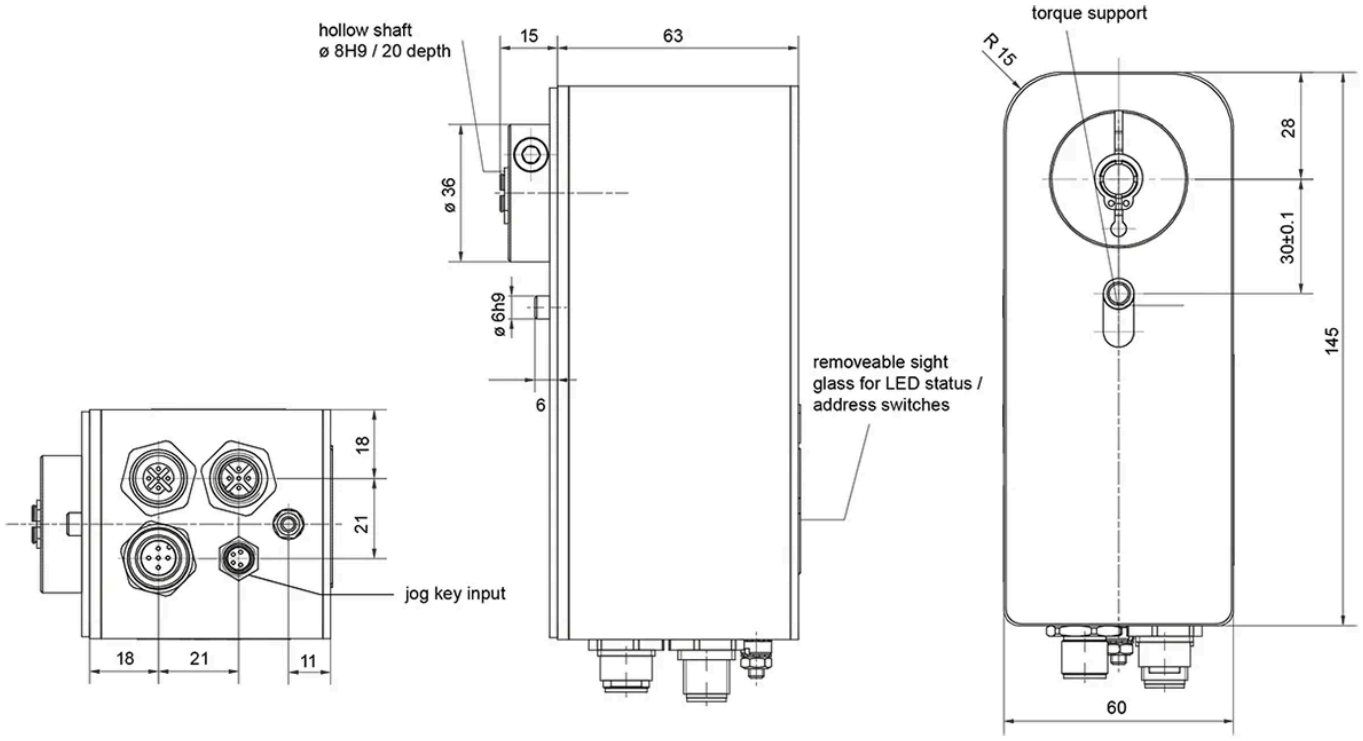
**Type:** Horizontal
**Nominal Voltage (V DC):** 24 (± 10 %)
**Nominal Current (A):** 2.2
**Output Shaft (mm):** 8
**Output Shaft Type:** Hollow
**BUS Communication:** Can Open (CA); Profi Bus (DP); Device Net (DN); Modbus (MB); IO-Link (IO); ProfiNet (PN); Sercos (SE); EtherCat (EC); Ethernet IP (EI); 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 ± 10 % galvanically separated between control and motor and bus
**Measurement System:** Absolute, optical-magnetic
**Accuracy:** ± 0.9°
**Intermittence:** 30% (basis time 300 s)
**Manual Adjustment:** No
**Brake:** No


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Performance Curve - Direct Drives PSE




## General Data




| Designation | Nominal Torque (Nm) | Nominal Speed (rpm) | Nominal Current (A) | Self-holding Torque (Nm) | Positioning Range (rot.) |
|---|---|---|---|---|---|
| **PSE 301-8** | 1 | 210 | 2.2 | 0.5 | 250 |
| **PSE 302-8** | 2 | 115 | 2.2 | 1 | 250 |
| **PSE 305-8** | 5 | 40 | 2.2 | 2.5 | 250 |


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