

## PSE 172 / 272 with DC- or AC-motor



### Special features

- complete solution including motor, gear, controller, absolute measuring system and default analogue target value
- enabling of positioning via floating contract (PSE272)
- direct connection to PLC
- positioning range up to 16 revolutions
- solid aluminium housing of high protection class

### Technical data

nominal power output	PSE 172: 0.8 W, PSE 272: 6.3 W
start up duration	100 %
nominal current	PSE 172: 0.3 A, PSE 272: 0.5 A
no-load current	PSE 172: 0.03 A, PSE 272: 0.2 A
positioning resolution	0.5 % of positioning range
positioning accuracy	2 % of positioning range
positioning range	max. 16 revolutions
shock resistance acc. to DIN IEC 68-2-27	50 g 11 ms
vibration resistance acc. to DIN IEC 68-2-6	10...55 Hz 1.5 mm / 55...1000 Hz 10 g / 10...2000 Hz 5 g
testing	CE
output shaft	8 H 8 solid circular shaft
maximum axial thrust	20 N
maximum radial force	30 N
ambient temperature	0...50 °C
storage temperature	-10...70 °C
protection class	IP 65
weight	800 g

nominal torque	nominal rated speed	A
0.75 Nm	10 min <sup>-1</sup>	172/1
1.50 Nm	5 min <sup>-1</sup>	172/2
3.50 Nm	2 min <sup>-1</sup>	172/3
1 Nm	60 min <sup>-1</sup>	272/1
2 Nm	30 min <sup>-1</sup>	272/2
4 Nm	15 min <sup>-1</sup>	272/3
5 Nm	7.5 min <sup>-1</sup>	272/4

default analogue target value	B
0...10 VDC (RL > 2 kΩ)	A
0...20 mA (RL < 500 Ω)	B
4...20 mA (RL < 500 Ω)	C

number of revolutions*	C
max. 16	

\* given in revolutions, max. 16; when < 1 rotation conversion of the angle; e.g. 270 ° correspond to 0.75 revolutions

supply voltage	D
24 VDC (+20/-15%) only for PSE 272	A
24 VAC (+6/-15% 50 Hz) only for PSE172	B
115 VAC (+6/-15% 50 Hz) only for PSE172	C
230 VAC (+6/-15% 50 Hz) only for PSE172	D

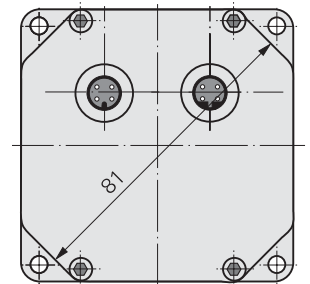
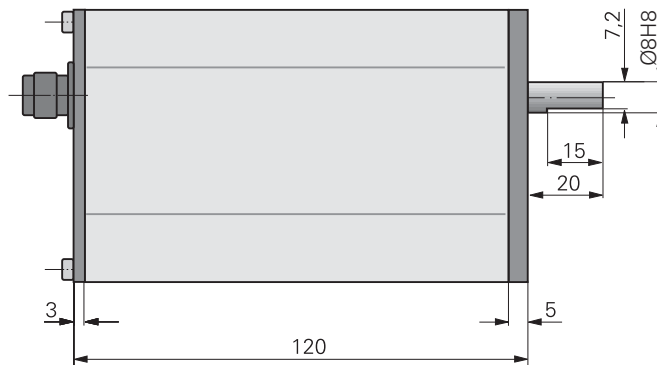
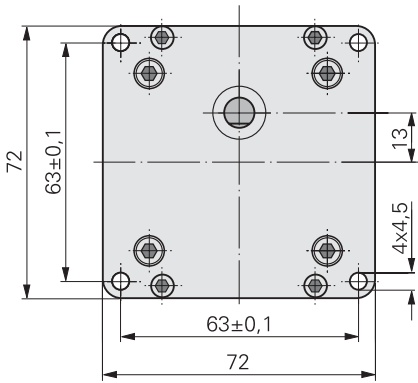
### Order key

A	B	C	D
PSE	-	-	-

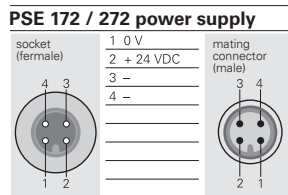
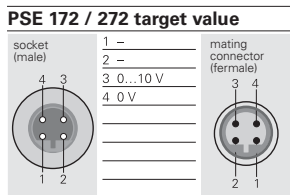
accessories	<input type="checkbox"/> mating connector	9601.-0048
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Dimension drawing



Connection diagram



Functional block diagram

