

## PSE 43\_ with stepping motor

### Positioning of auxiliary and positioning axes



#### Special features

- complete solution including motor, gear, controller, absolute measuring system and bus interface
- easy mounting due to hollow shaft, manual positioning also possible
- quickly recoups automation costs by considerably reducing setup time
- eliminates the need for reference runs
- address may be set using the BUS or a manual decade switch
- mechanical display of actual position
- optional hand brake for raising holding torque

#### Technical data

nominal power output	24 W
start-up duration	30 % (basis time 300 s)
supply voltage	24 VDC ± 10 % galvanic separation between control unit and motor
nominal current	3 A
power consumption (control unit)	0.1 A
positioning accuracy position data are acquired directly at the output shaft	0.9 °
positioning range	80 rotations
shock resistance as stipulated in DIN IEC 68-2-27	50 g 11 ms
resistance to vibration as stipulated in 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	14 H 7 hollow shaft with adjustable collar
maximum axial thrust	20 N
maximum radial force	40 N
ambient temperature	0...45 °C
storage temperature	-10...70 °C
protection class	IP 54
weight	1900 g

nominal power	nominal torque	self-holding torque	nominal rated speed	A model
24 W	10 Nm	10 Nm	22 min <sup>-1</sup>	4310
24 W	25 Nm	25 Nm	9 min <sup>-1</sup>	4325

data interface	B
CANopen / DS 301	C
Profibus DP (switchable bus terminator)	DP

instrument connections	C
Standard CANopen (round socket for power supply and bus)	S
Standard Profibus DP (round socket for power supply and D-Sub for bus)	D
Round sockets for Profibus DP (power supply and bus)	R

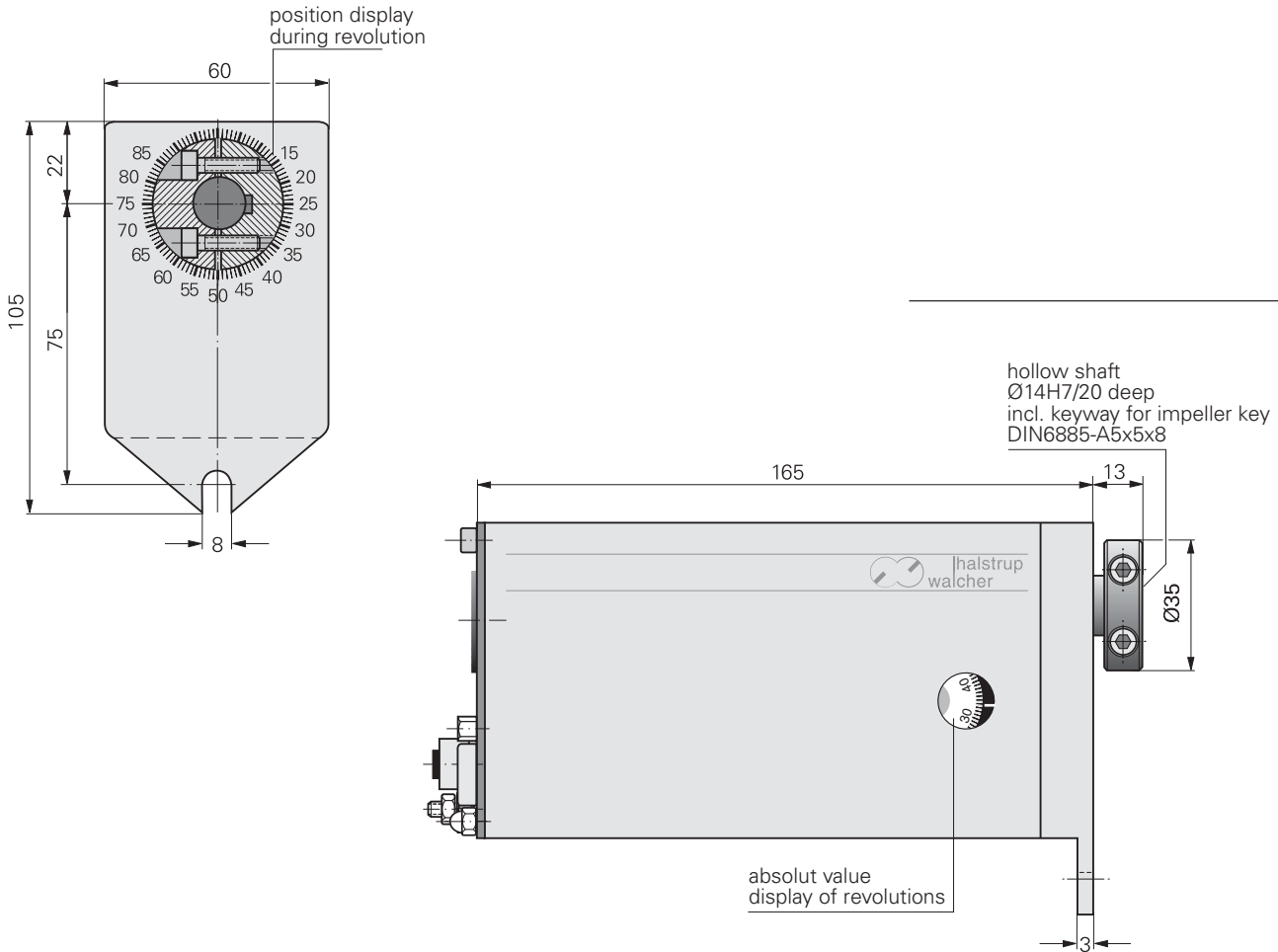
optional hand brake	D
no brake	O
with brake (holding torque is equivalent to nominal torque)	M

#### Order key

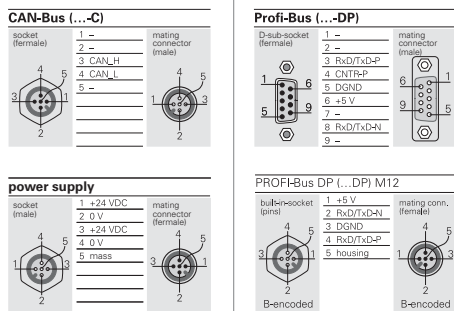
	A	B	C	D
PSE	-	-	-	-
accessories (connectors)				
<input type="checkbox"/> CANopen				9601.-0024
<input type="checkbox"/> Profibus				9601.-0033

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Dimension drawing



Connection diagram



Functional block diagram

