

PSE 37_/39_-14 in stainless steel housing with brushless DC motor

Positioning of auxiliary and positioning axes

**Special features**

- complete solution including motor, gear, controller, absolute measuring system and bus interface
- 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 (optional)
- bus cable may be looped through
- optional latch brake for raising holding torque
- V4A design for housing

nominal power output	PSE 37_: 20 W, PSE 39_: 35 W
start-up duration	30 % (basis time 300 s)
supply voltage	24 VDC ± 10 % galvanic separation between control unit and motor
nominal current	PSE 37_: 2 A, PSE 39_: 3 A
power consumption (control unit)	0.1 A
positioning accuracy position data are acquired directly at the output shaft	0.9 °
positioning range	256 rotations, no mechanical limits
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	external square 10 mm or 14 H7 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 67 when in operation IP 68 when not in operation
V4A design for housing	
weight	1200 g

Technical data

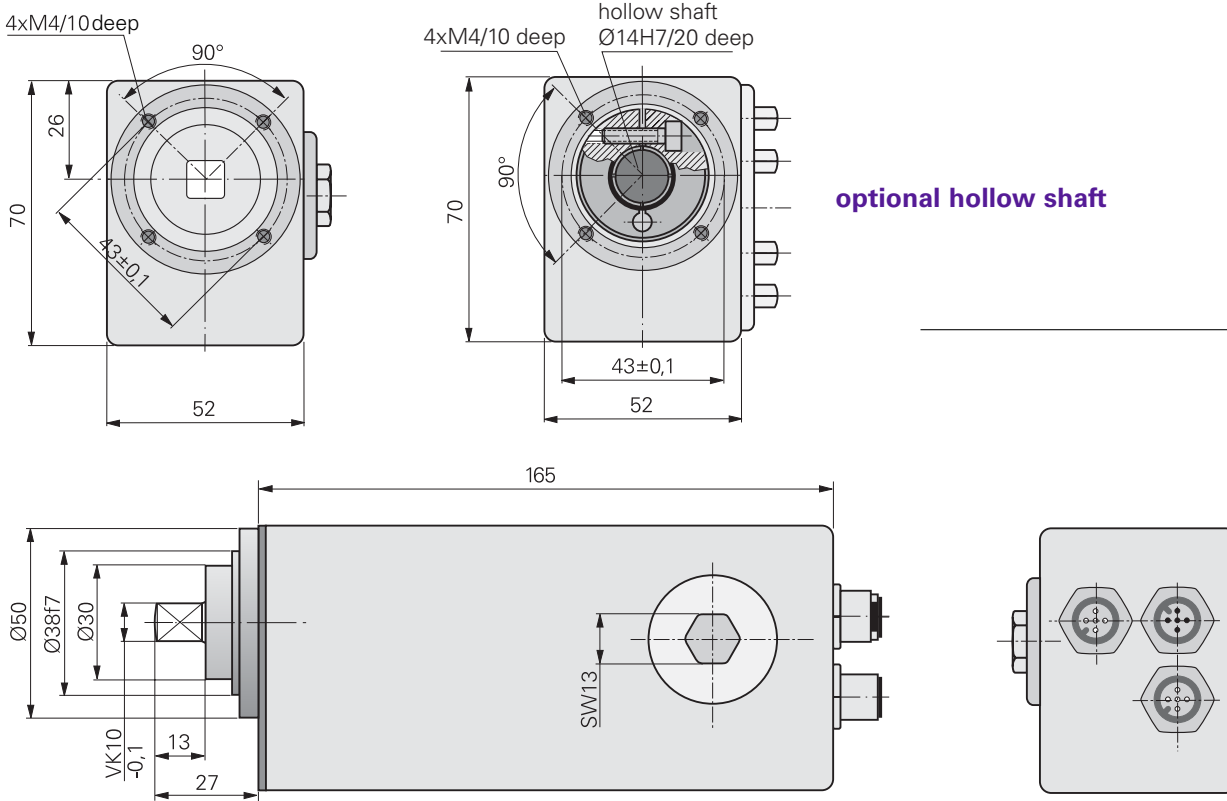
nominal power	nominal torque	self-holding torque	nominal rated speed	A model
20 W	1 Nm	0.5 Nm	180 min ⁻¹	371-14
20 W	2 Nm	1 Nm	100 min ⁻¹	372-14
35 W	2 Nm	1 Nm	125 min ⁻¹	392-14
35 W	5 Nm	2.5 Nm	50 min ⁻¹	395-14
data interface				B
CANopen / DS 301				C
Profibus DP (switchable bus terminator)				DP
DeviceNet				DN
Sercos III				S3
EtherCat				EC
Bus cable may be looped through				
optional address switch				C
no address switch				O
with address switch				A
output shaft				D
external square, 10 mm				V
14 H7 hollow shaft with adjustable collar				H
optional hand brake				E
no brake				O
with brake (holding torque is equivalent to nominal torque)				M
instrument connections				
round socket for power supply and bus + 2nd connection for data bus				

Order key

	A	B	C	D	E
PSE - [] - [] - [] - [] - []					
accessories (connectors)					
<input type="checkbox"/> Standard (connector for bus and power supply)					9601-0076
<input type="checkbox"/> Standard + 2nd data bus connector					9601-0077

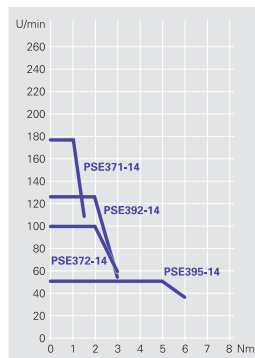
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Dimension drawing

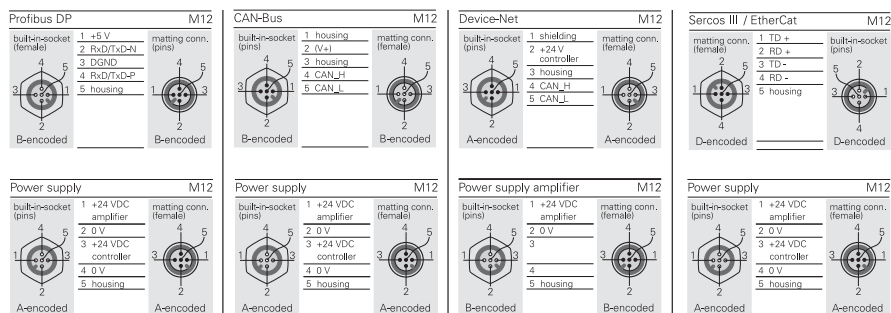


optional hollow shaft

Characteristic line



Connection diagram



Functional block diagram

