





Positioning System PSD

41 - 3-14H - 2 - CA - 0 - 50 - 1 - 0

Type

- 40: Horizontal 
- 41: Vertical 
- 42: Horizontal 
- 43: Vertical 

Torque (see table)

- 1 Nm
- 2 Nm
- 3 Nm
- 6 Nm
- 8 Nm

Output shaft ø mm (see table)

- 5
- 8
- 14

Shaft type (see table)

- V: Solid
- H: Hollow

Rotation shaft / Housing (see table)

- S: Direct or 0°
- 1: 90°
- 2: 180°
- 3: 270°

Bus communication

- CA: CANopen
- IO: IO-Link
- PN: PROFINET
- EC: EtherCAT
- EI: EtherNet / IP

Electrical connections

- 0: Standard2

Protection class

- 50: IP50
- 65: IP653

Software modules

- 1: Standard
- M: With modulo function4
- S: With changeover of parameter set4
- P: With target speed in process data4
- Z: With modulo function and changeover of parameter set and target speed in process data

Certificates

- 0: CE + UKCA

1 For CANopen and IO-Link, others on request.
 2 Standard equipment: 3 plugs / sockets with IO-Link: 1 plug.
 3 IP 65 installed (motor shaft IP 50).
 4 Only for IO-Link devices.

Type PSD 40 & 41

Key		Torque	Output shaft	Rotation shaft / Housing
1-5V	Direct	1 = 0,8 Nm	5V = 5 mm solid shaft	S: Direct or 0°
1-8H 1-14H	Direct	1 = 0,8 Nm	8H = 8 mm hollow shaft 14H = 14 mm hollow shaft	S: Direct or 0° 1: 90° 2: 180° 3: 270°
3-8H 3-14H	With gearbox	3 = 3 Nm	8H = 8 mm hollow shaft 14H = 14 mm hollow shaft	S: Direct or 0° 1: 90° 2: 180° 3: 270°

Type PSD 42 & 43

Key		Torque	Output shaft	Rotation shaft / Housing
2-8V	Direct	2 = 2 Nm	8V = 8 mm solid shaft	S: Direct or 0°
2-8H 2-14H	Direct	2 = 2 Nm	8H = 8 mm hollow shaft 14H = 14 mm hollow shaft	S: Direct or 0° 1: 90° 2: 180° 3: 270°
6-14H	With gearbox	6 = 6 Nm	14H = 14 mm hollow shaft	S: Direct or 0° 1: 90° 2: 180° 3: 270°
8-14H	With gearbox	8 = 8 Nm	14H = 14 mm hollow shaft	S: Direct or 0° 1: 90° 2: 180° 3: 270°






Positioning System PSE/PSS/PSW

PSE - 302-8V - CA - 0 - 0 - 0 - 54

Design

PSE (Effecient)
 PSS (Stainless)
 PSW (Washable)

Type

30: Horizontal 
 31: Vertical 
 32: Horizontal 
 33: Vertical 
 34: Horizontal 1 

Torque (see table)

1 Nm
 2 Nm
 5 Nm
 10 Nm
 18 Nm
 25 Nm 1

Output shaft ø mm (see table)

8
 14

Shaft type (see table)

V: Solid10
 H: Hollow

Bus communication

CA: CANopen	EC: EtherCAT
DP: PROFIBUS DP	PN: PROFINET
DN: DeviceNet2	EI: EtherNet/IP
MB: Modbus RTU2	PL: POWERLINK
SE: Sercos	IO: IO-Link

Electrical connections

O: Standard
 T: Standard with jog keys3,4
 Y: Plug-in, Y-encoded2
 Z: Plug-in, Y-encoded with jog keys2, 3

Brake

O: Without
 M: With5

Certification

O: CE
 N: NRTL + CE
 S: STO + CE without test pulses6
 T: STO + CE with test pulses6
 Y: STO + NRTL without test pulses6
 Z: STO + NRTL with test pulses6

Protection class

54: IP547
 65: IP658
 68: IP689

- ¹ Only for PSE.
- ² Not for PSE 34.
- ³ Not for PSE 31.
- ⁴ Always via an extra connector plug, not for IO-Link or PSW.
- ⁵ Only 14 mm output shafts
- ⁶ Only for IP 65. Not for PSE 34. Only for EtherCAT, PROFINET, EtherNet / IP, only on request.
- ⁷ Only for PSE, PSE 34, only IP 65.
- ⁸ For PSS. For PSE 30 / 31 / 32 / 33 on request.
- ⁹ Only for PSW
- ¹⁰ Not available for PSE

Standard equipment (connections)

- Always provided with 3 plugs/sockets (not for IO-Link or Y-encoded connector)
- Address switches always provided (also IE-buses, not for IO-Link)

Design	Key	Torque	Output shaft
PSE PSS PSW	30 1-8 2-8 5-8 1-14 2-14 5-14	1 = 1 Nm 2 = 2 Nm 5 = 5 Nm	8 = 8 mm hollow shaft 8V = 8 mm solid shaft 8H = 8 mm hollow shaft 14 = 14 mm hollow shaft 14V = 14 mm solid shaft 14H = 14 mm hollow shaft
PSE PSS PSW	31 1-8 2-8 5-8 1-14 2-14	1 = 1 Nm 2 = 2 Nm 5 = 5 Nm	8 = 8 mm hollow shaft 8V = 8 mm solid shaft 8H = 8 mm hollow shaft 14 = 14 mm hollow shaft 14V = 14 mm solid shaft 14H = 14 mm hollow shaft
PSE PSS PSW	32 2-14 5-14 10-14 18-14	2 = 2 Nm 5 = 5 Nm 10 = 10 Nm 18 = 18 Nm	14 = 14 mm hollow shaft 14V = 14 mm solid shaft 14H = 14 mm hollow shaft
PSE PSS PSW	33 2-14 5-14 10-14 25-14	2 = 2 Nm 5 = 5 Nm 10 = 10 Nm 25 = 25 Nm	14 = 14 mm hollow shaft 14V = 14 mm solid shaft 14H = 14 mm hollow shaft
PSE	34 10-14 18-14	10 = 10 Nm 18 = 18 Nm	14 = 14 mm hollow shaft