halstrup walcher

PSS 30_-8

Product	Nominal torque	Self-holding torque	Nominal rated speed	Nominal power output
PSS 301-8	1 Nm	0.5 Nm	210 min^{-1}	25 W
PSS 302-8	2 Nm	1 Nm	115 min^{-1}	25 W
PSS 305-8	5 Nm	2.5 Nm	40 min^{-1}	25 W

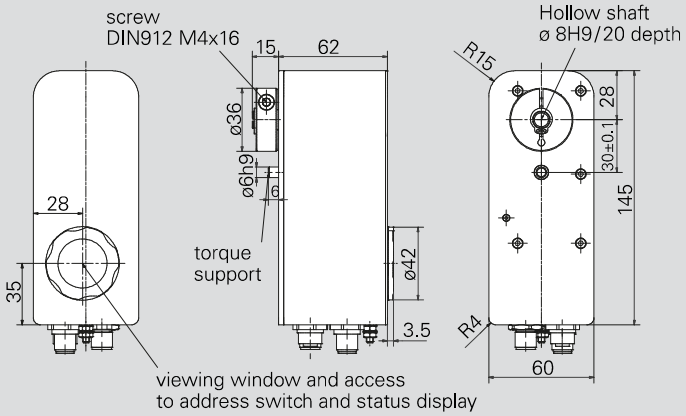
Data interfaces
CANopen, PROFIBUS DP, DeviceNet, Modbus RTU, Sercos, EtherCAT, PROFINET, EtherNet/IP, POWERLINK, IO-Link

Start-up duration	20 % (basis time 600 s) at nominal torque
Mode of operation	S3
Supply voltage	24 V DC ± 10 % Galvanically separated between control and motor and bus
Nominal current	2.2 A
Power consumption (control unit)	0.1 A
Positioning accuracy Absolute measurement of position taken directly at the output shaft	0.9°
Positioning range	250 rotations not subject to mechanical limits
Shock resistance in accordance with IEC/DIN EN 60068-2-27	50 g 11 ms
Vibration resistance in accordance with IEC/DIN EN 60068-2-6	10..55 Hz 1.5 mm/ 55..1 000 Hz 10 g/ 10..2 000 Hz 5 g
Output shaft	8 mm solid shaft or 8 mm hollow shaft with adjustable collar
Maximum axial force	20 N
Maximum radial force	40 N
Ambient temperature	0..45 °C
Storage temperature	-10..70 °C
Protection class	IP 65 under installed and wired conditions*
Material	as for PSE, but with stainless steel housing
Weight	650 g
Certificates	CE

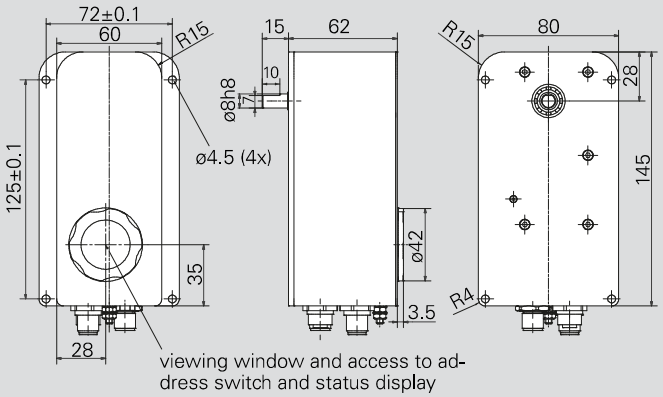
* Welded V2A housing, ball bearings at the output shaft with sealing disc

The order key and accessories can be found on p. 18 / 19.

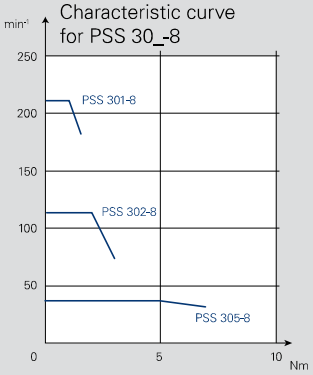
PSS 30_-8 (with hollow shaft)



PSS 30_-8-V (with solid shaft)



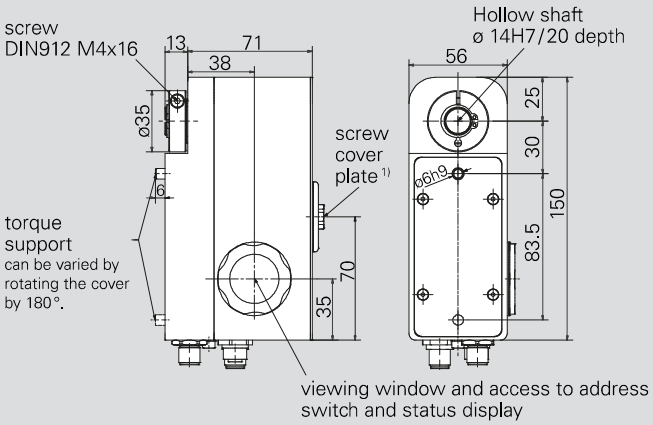
Characteristic curve for PSS 30_-8



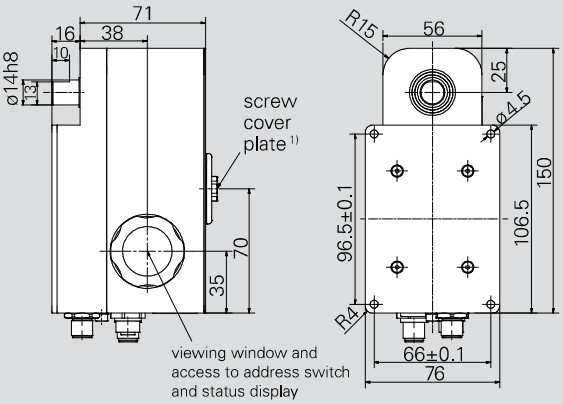
For details of the connections see also p. 10

PSS 30_/32_-14

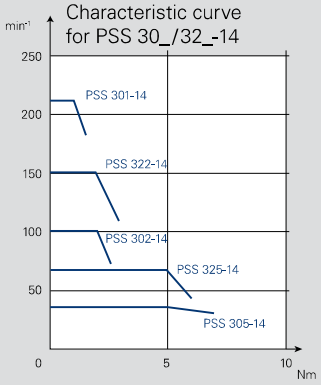
PSS 30_/32_-14 (with hollow shaft)



PSS 30_/32_-14-V (with solid shaft)



Characteristic curve
for PSS 30_/32_-14



For details of the
connections see also p. 10

1) over a rotating manual adjustment shaft SW6/8 depth hex

Product	Nominal torque	Self-holding torque	Nominal rated speed	Nominal power output
PSS 301-14	1 Nm	0.5 Nm	210 min^{-1}	25 W
PSS 302-14	2 Nm	1 Nm	100 min^{-1}	25 W
PSS 305-14	5 Nm	2.5 Nm	40 min^{-1}	25 W
PSS 322-14	2 Nm	1 Nm	150 min^{-1}	35 W
PSS 325-14	5 Nm	2,5 Nm	68 min^{-1}	35 W

Data interfaces
CANopen, PROFIBUS DP, DeviceNet, Modbus RTU, Sercos, EtherCAT, PROFINET, EtherNet/IP, POWERLINK, IO-Link

Start-up duration	20 % (basis time 600 s) at nominal torque
Mode of operation	S3
Supply voltage	24 V DC ± 10 % Galvanically separated between control and motor and bus
Nominal current	PSS 30_: 2.4 A, PSS 32_: 3.1 A
Power consumption (control unit)	0.1 A
Positioning accuracy Absolute measurement of position taken directly at the output shaft	0.9°
Positioning range	250 rotations not subject to mechanical limits
Shock resistance in accordance with IEC/DIN EN 60068-2-27	50 g 11 ms
Vibration resistance in accordance with IEC/DIN EN 60068-2-6	10..55 Hz 1.5 mm/ 55..1 000 Hz 10 g/ 10..2 000 Hz 5 g
Output shaft	14 mm solid shaft or 14 mm hollow shaft with adjustable collar
Maximum axial force	20 N
Maximum radial force	40 N
Ambient temperature	0..45 °C
Storage temperature	-10..70 °C
Protection class	IP65 under installed and wired conditions*
Material	As for PSE, but with stainless steel housing
Weight	1 200 g
Certificates	CE

* Welded V2A housing, ball bearings at the output shaft with sealing disc

The order key and accessories can be found on p. 18 / 19.

PSS 31_-8

Product	Nominal torque	Self-holding torque	Nominal rated speed	Nominal power output
PSS 311-8	1 Nm	0.5 Nm	210 min^{-1}	25 W
PSS 312-8	2 Nm	1 Nm	115 min^{-1}	25 W
PSS 315-8	5 Nm	2.5 Nm	40 min^{-1}	25 W

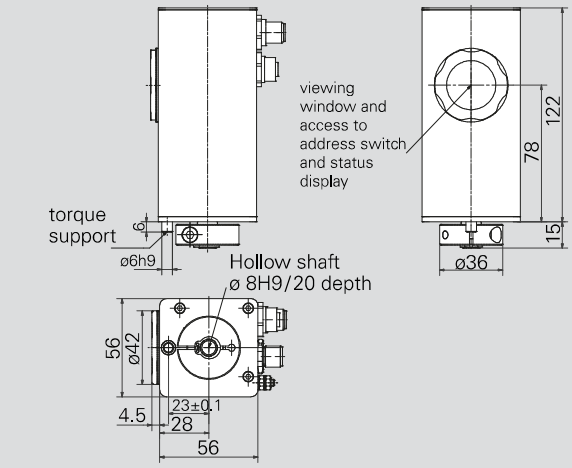
Data interfaces
CANopen, PROFIBUS DP, DeviceNet, Modbus RTU, Sercos, EtherCAT, PROFINET, EtherNet/IP, POWERLINK, IO-Link

Start-up duration	20 % (basis time 600 s) at nominal torque
Mode of operation	S3
Supply voltage	24 V DC ± 10 % Galvanically separated between control and motor and bus
Nominal current	2.2 A
Power consumption (control unit)	0.1 A
Positioning accuracy Absolute measurement of position taken directly at the output shaft	0.9°
Positioning range	250 rotations not subject to mechanical limits
Shock resistance in accordance with IEC/DIN EN 60068-2-27	50 g 11 ms
Vibration resistance in accordance with IEC/DIN EN 60068-2-6	10..55 Hz 1.5 mm/ 55..1 000 Hz 10 g/ 10..2 000 Hz 5 g
Output shaft	8 mm solid shaft or 8 mm hollow shaft with adjustable collar
Maximum axial force	20 N
Maximum radial force	40 N
Ambient temperature	0..45 °C
Storage temperature	-10..70 °C
Protection class	IP 65 under installed and wired conditions*
Material	as for PSE, but with stainless steel housing
Weight	700 g
Certificates	CE

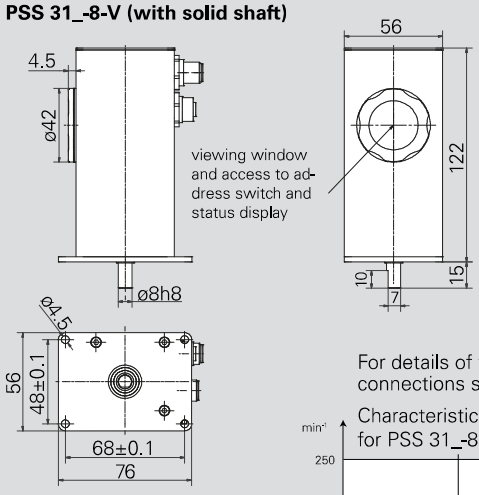
* Welded V2A housing, ball bearings at the output shaft with sealing disc

The order key and accessories can be found on p. 18 / 19.

PSS 31_-8 (with hollow shaft)

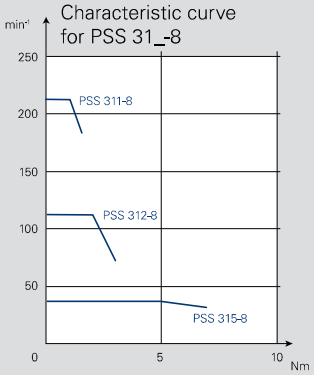


PSS 31_-8-V (with solid shaft)



For details of the connections see also p. 10

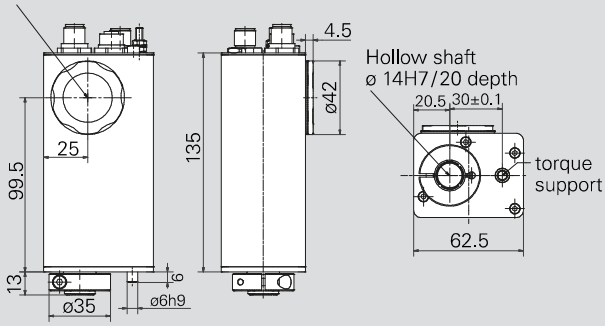
Characteristic curve for PSS 31_-8



PSS 31_/33_-14

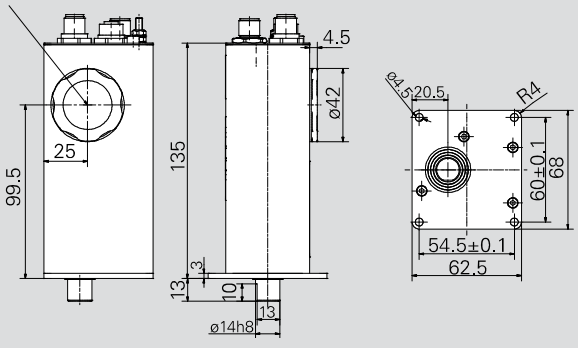
PSS 31_/33_-14 (with hollow shaft)

viewing window and access to address switch and status display

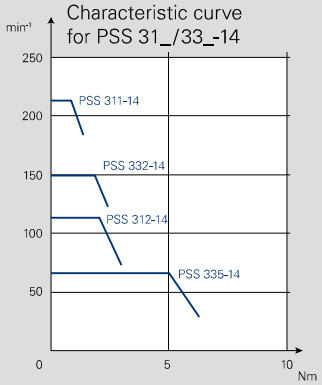


PSS 31_/33_-14-V (with solid shaft)

viewing window and access to address switch and status display



Characteristic curve for PSS 31_/33_-14



For details of the connections see also p. 10

Product	Nominal torque	Self-holding torque	Nominal rated speed	Nominal power output
PSS 311-14	1 Nm	0.5 Nm	210 min^{-1}	25 W
PSS 312-14	2 Nm	1 Nm	115 min^{-1}	25 W
PSS 332-14	2 Nm	1 Nm	150 min^{-1}	35 W
PSS 335-14	5 Nm	2,5 Nm	68 min^{-1}	35 W

Data interfaces
CANopen, PROFIBUS DP, DeviceNet, Modbus RTU, Sercos, EtherCAT, PROFINET, EtherNet/IP, POWERLINK, IO-Link

Start-up duration	20 % (basis time 600 s) at nominal torque
Mode of operation	S3
Supply voltage	24 VDC ± 10 % Galvanically separated between control and motor and bus
Nominal current	PSS 31_: 2.4 A, PSS 33_: 3.1 A
Power consumption (control unit)	0.1 A
Positioning accuracy Absolute measurement of position taken directly at the output shaft	0.9°
Positioning range	250 rotations not subject to mechanical limits
Shock resistance in accordance with IEC/DIN EN 60068-2-27	50 g 11 ms
Vibration resistance in accordance with IEC/DIN EN 60068-2-6	0..55 Hz 1.5 mm/ 55..1 000 Hz 10 g/ 10..2 000 Hz 5 g
Output shaft	14 mm solid shaft or 14 mm hollow shaft with adjustable collar
Maximum axial force	20 N
Maximum radial force	40 N
Ambient temperature	0..45 °C
Storage temperature	-10..70 °C
Protection class	IP65 under installed and wired conditions*
Material	as for PSE, but with stainless steel housing
Weight	700 g
Certificates	CE

* Welded V2A housing, ball bearings at the output shaft with sealing disc

The order key and accessories can be found on p. 18 / 19.