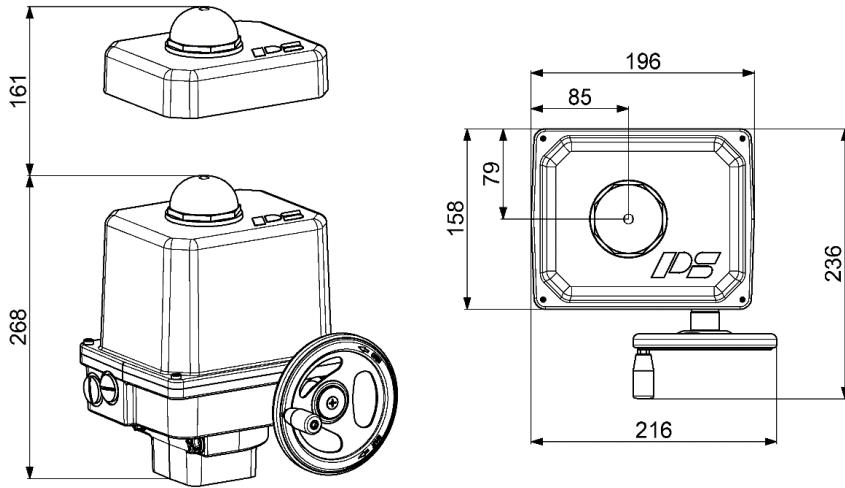


Electric Quarter-Turn Actuator

PSQ103



Approx. weight: 7.6 kg without accessories

130 Nm
Switching torque)¹

8 s - 16 s

Op. Time/90°

Flange
F05 + F07

Modulating Actuator
Class C
acc. EN ISO 22153

Enclosure IP67
EN 60529

Operating Time/90°	8 s [50 Hz] / 7 s [60 Hz] (not fully self-locking)				8 s	PSQ103 130 Nm
Power Supply [V]	230 VAC 1~	115 VAC 1~	24 VAC 1~	400 V 3~	24 VDC	
Frequency [Hz]	50 / 60	50 / 60			-	
Normal Current [A]	0.45	0.9			2.8	
Maximum Current [A]	0.9	1.8			4.0	
Power Consumption) ² [W]	100	100			67	
Duty Cycle IEC 60034-1,8	S2 30 min / S4 50% ED - 1200c/h				see left	
Ambient Temperature [°C]	-20°C to +80°C (S2) / -20°C to +60°C (S4)				see left	
Overvoltage Category	II				see left	
Motor Protection	Thermo Switch) ³				Multifuse	

Operating Time/90°	16 s [50 Hz] / 13 s [60 Hz]				16 s	PSQ103 130 Nm
Power Supply [V]	230 VAC 1~	115 VAC 1~	24 VAC 1~	400 V 3~	24 VDC	
Frequency [Hz]	50 / 60	50 / 60	50 / 60	50 / 60	-	
Normal Current [A]	0.32	0.61	2.9	0.15	1.4	
Maximum Current [A]	0.39	0.73	3.5	0.19	4.0	
Power Consumption) ² [W]	73	69	69	64	34	
Duty Cycle IEC 60034-1,8	S2 30 min / S4 50% ED - 1200c/h					
Ambient Temperature [°C]	-20°C to +80°C (S2) / -20°C to +60°C (S4)					
Overvoltage Category	II					
Motor Protection	Thermo Switch) ³				Multifuse	

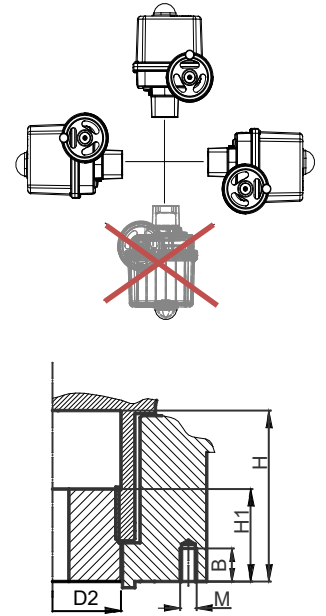
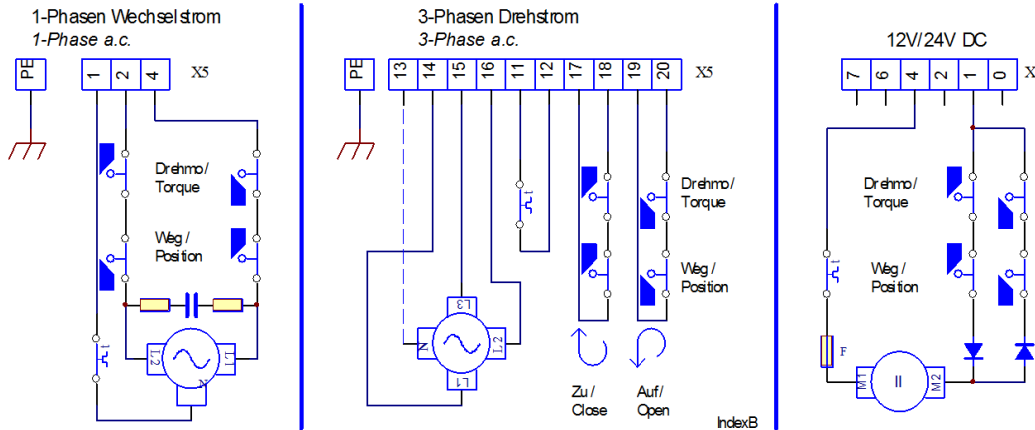
)¹ = Permissible average thrust over the entire travel is 50% of the max. thrust

)² = at switching torque and 50 Hz

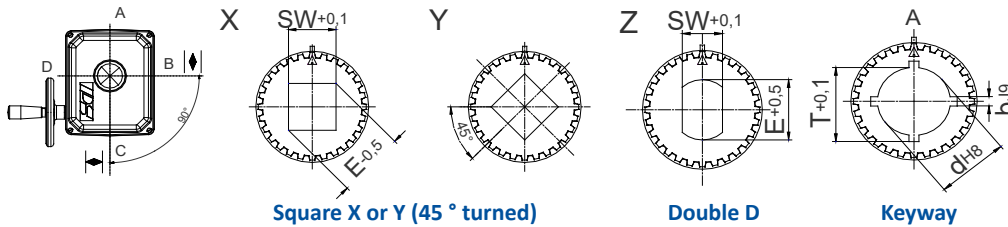
)³ = Thermo switch must be wired externally at 400 VAC 3~

Electrical Connection Plan

Mounting Position



Available Drive Bushes



	F05	F07
D2	38	38
H	44	44
H1	35	35
M	M6	M18
B	12	16

Please check the drive bushes datasheet for the available sizes!
Other customized drive bushes on request!

Accessories/Options	Power Supply	230 VAC 1~	115 VAC 1~	24 VAC 1~	400 V 3~	24 VDC
	Add'l Position Switches	2WE	•	•	•	•
	Add'l Position Switches	2WE	•	•	•	•
	Gold	Gold				
	Add'l Torque Switches	2DE	•	•	•	•
	Add'l Torque Switches	2DE	•	•	•	•
	Gold	Gold				
	Positioner	PSAP	•	•	•) ⁴	•) ⁵
	Position Transmitter	PSPT	•	•		•
	Heating Resistor	HR	•	•	•	•) ⁶
	Potentiometer	PD	•	•	•	•
	Reversing Starter Contactor	WSM01				•
Corrosion Protection	K2	Increased corrosion protection incl. heating resistor				
Increased enclosure	IP	IP68) ⁷ incl. heating resistor and corrosion protection K2				

• available, for further information see respective datasheet
⁴ = PSAP with external relay required (Version .../R)
⁵ = only to be used with reversing starter contactor
⁶ = supply voltage 24 V or 115-230 V possible
⁷ = IP68, no ingress of dust and suitable for continuous immersion in water up to 6 m and 96 h

For more information and accessories, please visit our website www.ps-automation.com!

Subject to changes!