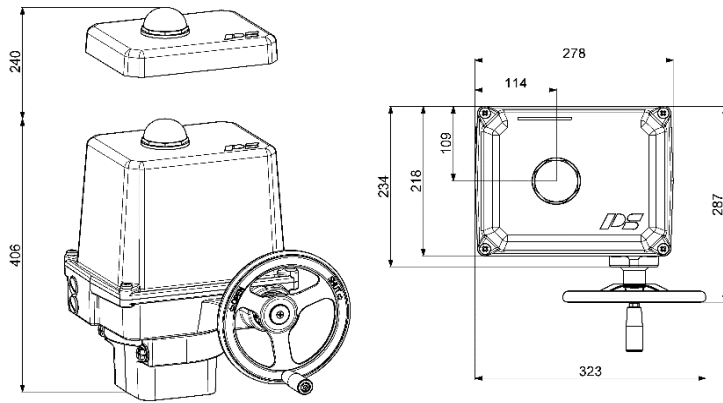


Electric Quarter Turn Actuator

PSQ703



weight: approx. 27 kg without accessories

700 Nm
Switching Torque
 350 Nm Modulating Torque)¹
29 s - 93 s
Operating Time/90°
Flange
F10 or F12
Modulating Actuator
Class C
EN 15714-2
Enclosure IP67
EN 60529

Operating Time/90°	29s [50Hz] / 24s [60Hz]			40s /34s	
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	
Rated Current [A]	1.4	2.6		0.7	
Maximum Current [A]	1.9	3.7		1.9	
Power Consumption) ² [W]	290	275		200	
Duty Cycle IEC 60034-1	S2 15min / 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			see left	
Operating Time/90°	43s [50Hz] / 36s [60Hz]			60s /50s	43 s
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	-
Rated Current [A]	0.75	1.4	on request	0.31	5.3
Maximum Current [A]	0.98	1.9	on request	0.38	33
Power Consumption) ² [W]	175	158	on request	83	130
Duty Cycle IEC 60034-1	S2 30min / S4 50% ED - 1200c/h				
Ambient Temperature [°C]	-20°C to +80°C (S2) / -20°C to +60°C (S4)				
Low Temperature Version	-40°C to +60°C optional				
Overvoltage Category	II				
Motor Protection	Thermo Switch) ³				Multifuse
Operating Time/90°	93s [50Hz] / 77s [60Hz]				
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	
Rated Current [A]	0.37	0.07	3.5	0.18	
Maximum Current [A]	0.44	0.08	4.2	0.22	
Power Consumption) ² [W]	83	98	82	83	
Duty Cycle IEC 60034-1	S2 30min / S4 50% ED @ 1200c/h				
Ambient Temperature [°C]	-20°C to +80°C (S2) / -20°C to +60°C (S4)				
Low Temperature Version	-40°C to +60°C optional				
Overvoltage Category	II				
Motor Protection	Thermo Switch) ³				

PSQ703
700 Nm

PSQ703
700 Nm

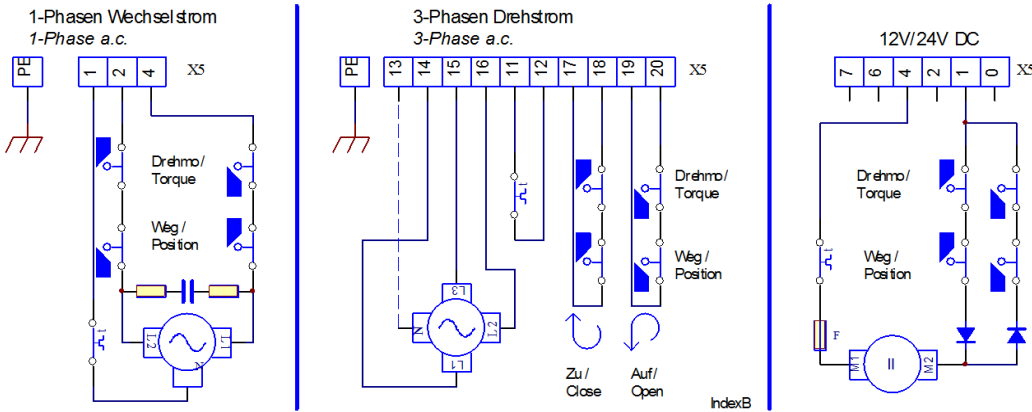
PSQ703
700 Nm

)¹ = Permissible average torque over the travel of 90°

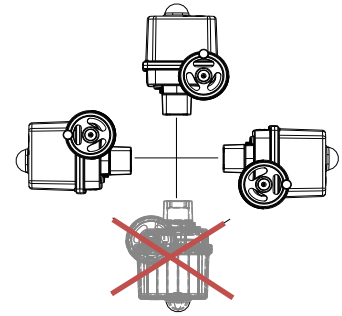
)² = at switching torque and 50 Hz

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

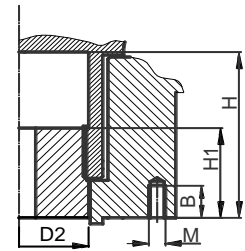
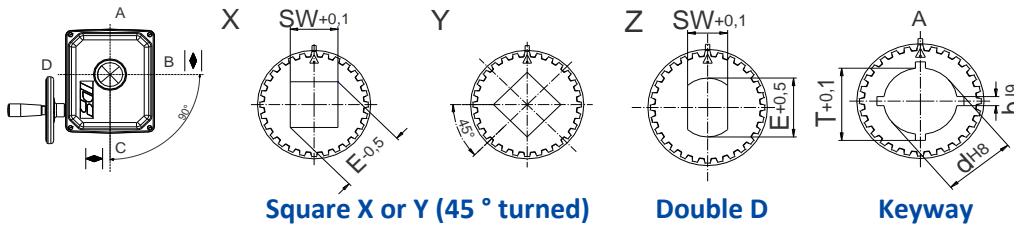
Wiring Diagramm



Mounting Position



Available Drive Bushes



	F10	F12
D2	66	66
H	80	80
H1	48	48
M	M10	M12
B	18	18

F10 without centering ring!

Please check drive bushes datasheet for 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	Gold	•	•	•	•	•
	Add'l Torque Switches	2DE	•	•	•	•	•
	Add'l Torque Switches	Gold	•	•	•	•	•
	Positioner	PSAP	•	•) ⁴	•) ⁴	•) ⁵	
	Position Transmitter	PSPT	•	•	•	•	•
	Space Heater	HR	•	•	•	•) ⁶	•
	Potentiometer	PD	•	•	•	•	•
	Reversing Starter	WSM				•	
	Contactor	O1					
	Corrosion protection	K2	Corrosion Protection K2 incl. Heating Resistor				
Increased enclosure	IP	IP68) ⁷ incl. Heating Resistor and Corrosion Protection K2					

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

• = available, for further information see respective datasheet

)⁴ = PSAP with external relay required

)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

Subject to changes!