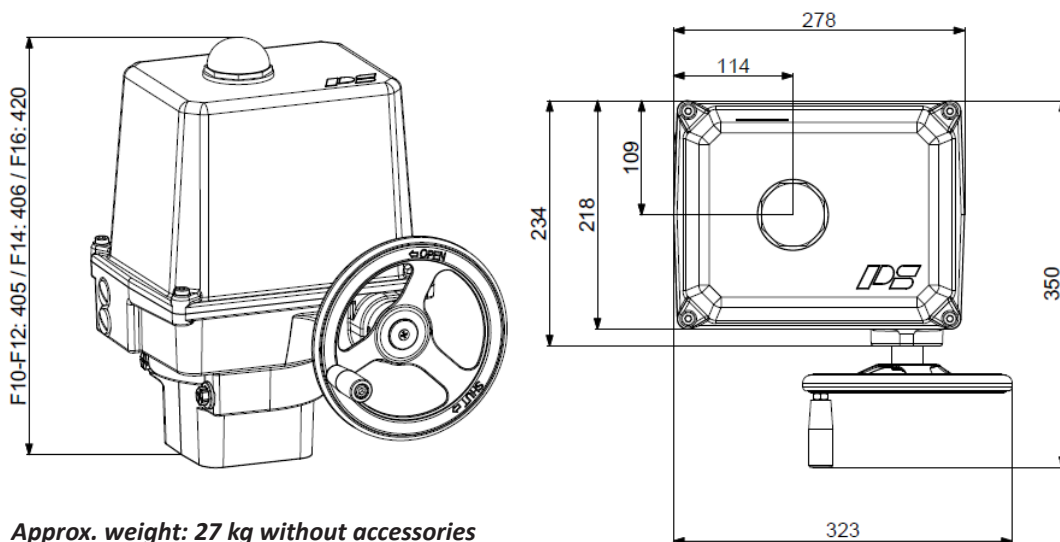


Electric Quarter-Turn Actuator

PSQ503



Approx. weight: 27 kg without accessories

600 Nm
Switching torque)¹

93 s
Operating Time/90°

Flange
F10/F12/F14/F16

Modulating Actuator

Class C
acc. EN ISO 22153

Enclosure IP67
EN 60529

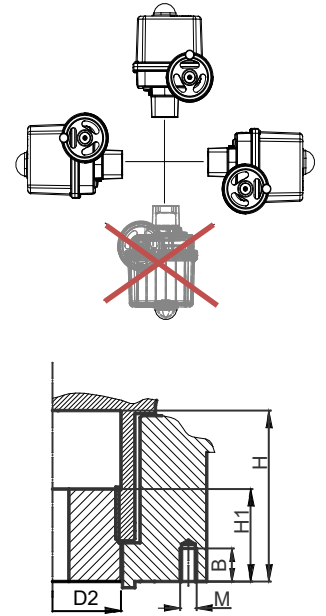
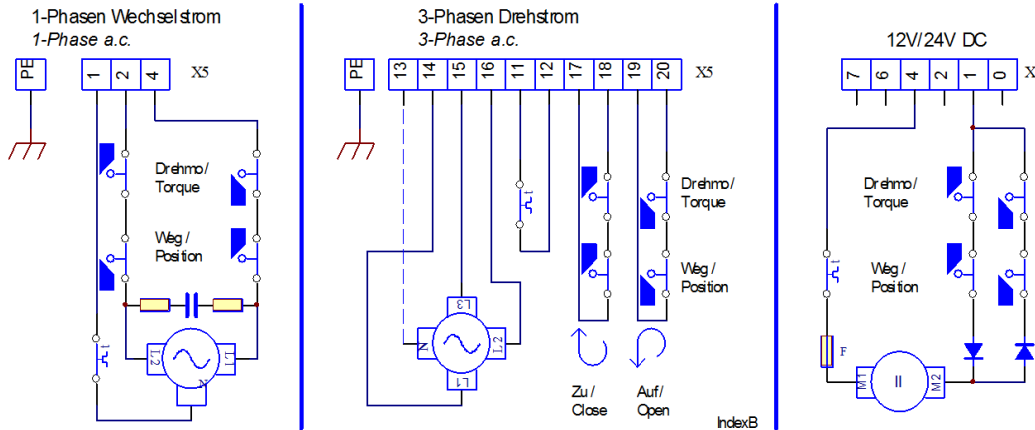
Operating Time/90°	93 s [50 Hz] / 77 s [60 Hz]					PSQ503 600 Nm
Power Supply [V]	230 VAC 1~	115 VAC 1~	24 VAC 1~	400 V 3~	24 VDC	
Frequency [Hz]	50 / 60		50 / 60	50 / 60		
Normal Current [A]	0.37		3.5	0.18		
Maximum Current [A]	0.44		4.2	0.22		
Power Consumption) ² [W]	83		82	75		
Duty Cycle IEC 60034-1,8	S2 15 min / S4 50% ED - 1200 c/h					
Ambient Temperature [°C]	-20°C to +80°C (S2)/-20°C to +60°C (S4)					
Overtoltage Category	II					
Motor Protection	Thermo Switch) ³					

)¹ = Permissible average thrust over the entire travel is 50% of the max. thrust
)³ = Thermo switch must be wired externally at 400 VAC 3~

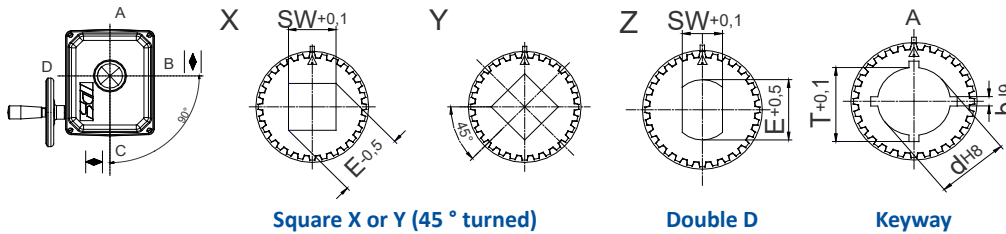
)² = at switching torque and 50 Hz

Electrical Connection Plan

Mounting Position



Available Drive Bushes



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

F10 without centring!

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 Gold	2WE Gold	•	•	•	
	Add'l Torque Switches	2DE	•	•	•	
	Add'l Torque Switches Gold	2DE Gold	•	•	•	
	Positioner	PSAP	•	•) ⁵	•) ⁴	
	Position Transmitter	PSPT	•	•) ⁶	•	
	Heating Resistor	HR	•	•	•	
	Potentiometer	PD	•	•	•	
	Reversing Starter Contactor	WSM01				
Increased enclosure	IP	IP68) ⁴ 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!