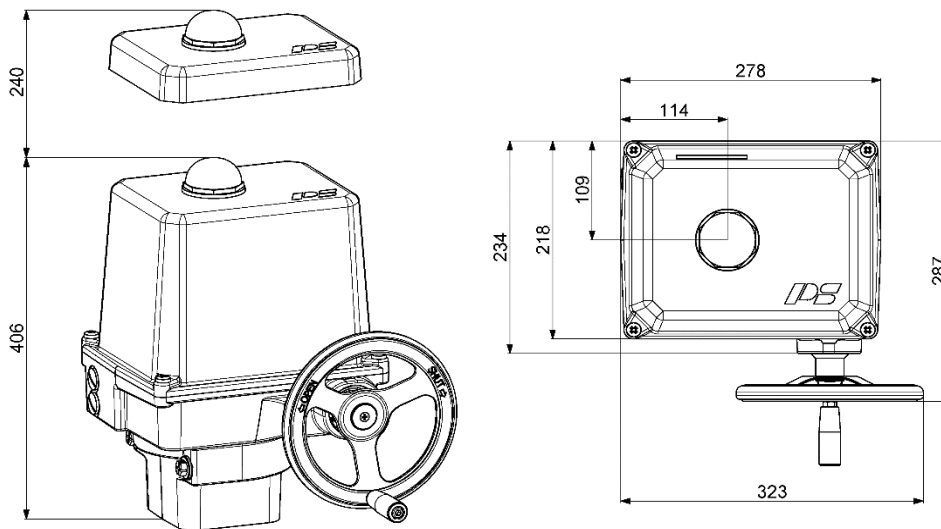


Intelligent Quarter-Turn Actuator



**PSQ503
AMS12**

**Positioner
integrated**

**250 - 500 Nm
Switching torque**
Modulating torque max. 250 Nm)¹

**36 s - 72 s
Operating Time/90°**

**Flange
F10 / F12**

**Modulating Actuator
Class C**
acc. EN 15714-2

Enclosure IP67
nach EN 60529

Approx. weight: 27 kg without accessories

Operating Time/90°	36 - 72 s (adjustable)			
Power Supply [V]	230 VAC 1~	115 VAC 1~	24 VAC/DC	360...460 VAC 3~
Nominal Current) ⁴ [A]	0.64	1.3	6.2(AC) / 3.9(DC)	0.45) ³
Maximum Current) ⁴ [A]	0.84	1.7	8(AC) / 5(DC)	0.59) ³
Power Consumption) ⁵ [W]	126	126	118(AC) / 92(DC)	120) ³

**PSQ503
AMS12**

Standard	Description
Ambient Temperature [°C]	-20 to +60 °C
Motor Protection	electronic motor current monitoring with safety cut-off
Oversvoltage category	II
Break away force	adjustable up to +50% nominal force
Duty Cycle IEC 60034-1,8	S2 30 min S4 50% ED @ 25°C
Set value and Feedback	current 0 (4)... 20 mA, voltage 0 (2)... 10 V adjustable, split-range operation possible
Binary control	24 V - 230 V for ON/OFF control (min. duration of pulse 1s)
Valve Positioner Function	deadband adjustable from 0.5 .. 5%, shut-off minimum at torque switching
Automatic Start-up	Recognizing the end position(s) and autoscaling set and feedback values
Internal Fault Monitoring	Torque, set value, temperature, power supply, deviation of end positions, adjustable actions and signalisation
Fault Indication Relay FIR	potential-free opening contact provides a freely definable collective fault signal
Diagnostics Function	Stores number of motor starts, motor and total running time. Rolling data storage of set value, feedback value, torque, temperature and status
Communication Interface	for parametrisation and diagnosis with USB data cable and software PSCS
Cable Glands	2 threaded holes ISO M20 x 1,5 (cable glands are not included)

Standard Equipment

)¹ = Permissible average torque for a travel of 90°

)² = at nominal force

)³ = at 400 V 3 phases and 50 Hz

)⁴ = Data can change depending on accessories

)⁵ = at switching torque, data can change depending on accessories

