

Intelligent Quarter-Turn Actuator

**PSQ-S200
AMS22**

**Positioner
integrated**

60 - 200 Nm
Switching torque)¹

6 s - 20 s
Op. Time/90°

**Flange
F05 + F07 + F10**

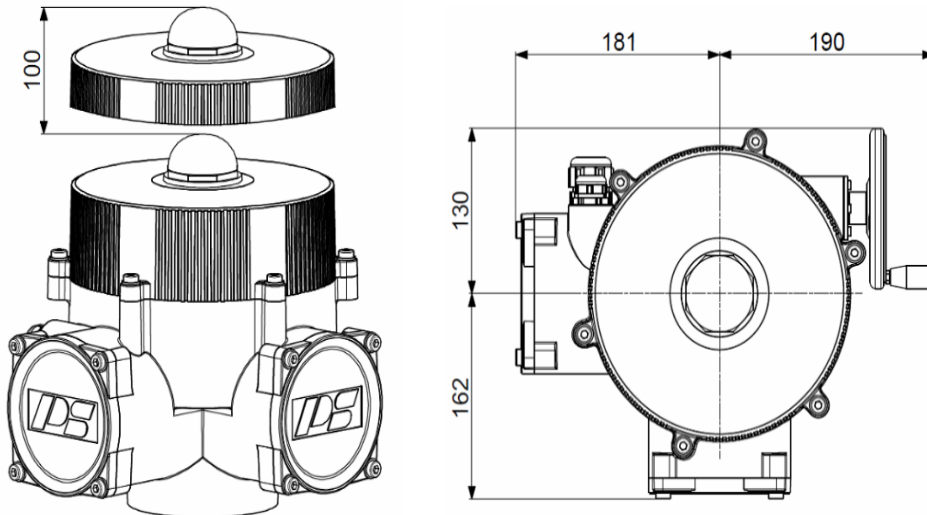
Modulating Actuator

Class C

acc. EN ISO 22153

Enclosure IP67

EN 60529



Approx. weight: 12 kg without accessories

Operating Time/90°		6 - 20 s (adjustable)				PSQ-S200 AMS22
Power Supply	[V]	100-240 VAC 1~	24 VDC	24 VAC	180...500 VAC 3~) ²	
Normal Current) ⁴	[A]	0.6-1.1	3.5	4.6	0.42) ³	
Maximum Current) ⁴	[A]	0.8	5	7	0.6) ³	
Power Consumption) ⁵	[W]	90	80	80	85) ³	

Standard	Description	Standard Equipment
Ambient Temperature	[°C] -20 to +60 °C	
Motor Protection	electronic motor current monitoring with safety cut-off	
Overvoltage category	II	
Break away force	adjustable up to +50% nominal force	
Duty Cycle	IEC 60034-1,8 S2 30 min / S4 600c/h 50%ED	
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 5 ..100%, 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	Data storage of number of motor starts, motor operating hours and rolling storage of set/actual value, torque, actuator temperature and status (acc. to NE107)	
Communication Interface	for parametrisation and diagnosis PSCS.WIFI oder PSCS.2 with USB data cable	
Cable Glands	3 cable glands: 1 pc. 32 x1,5 and 2 pc. 25x1,5	

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

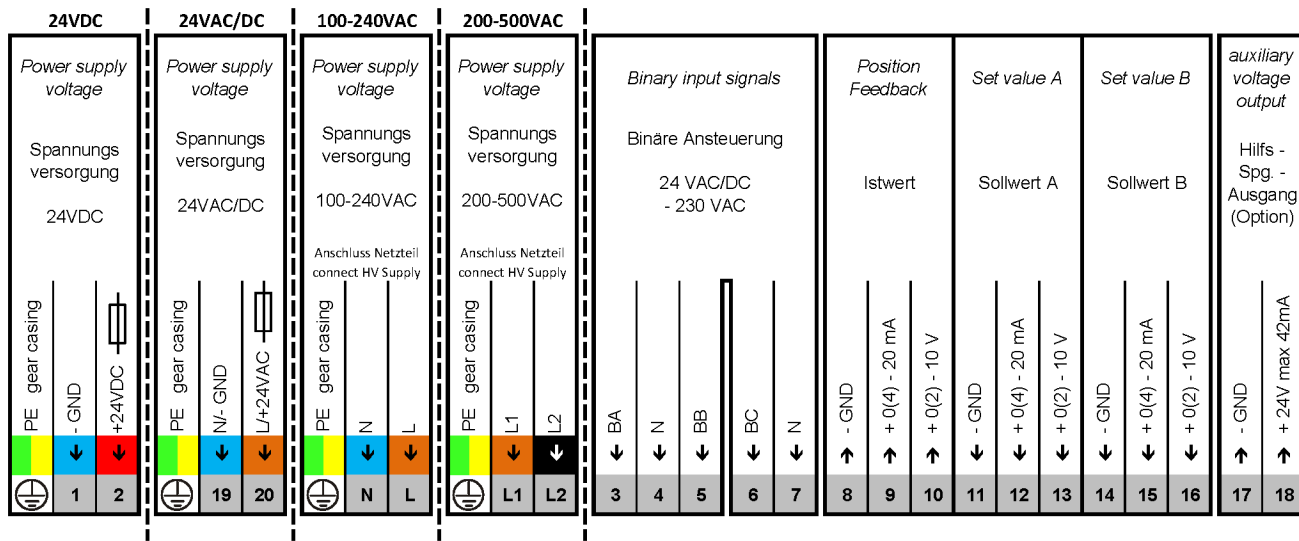
² = at nominal force

³ = at 400 V 3 phases and 50 Hz

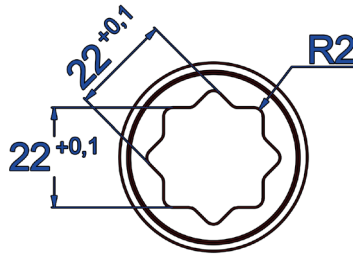
⁴ = Data can change depending on accessories

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

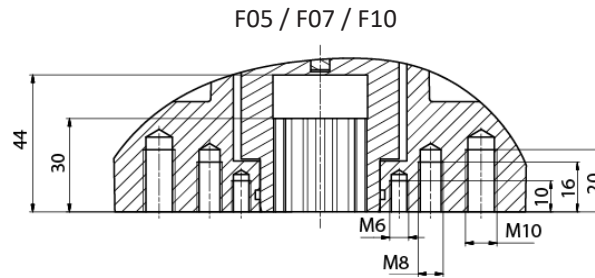
Electrical Connection Plan



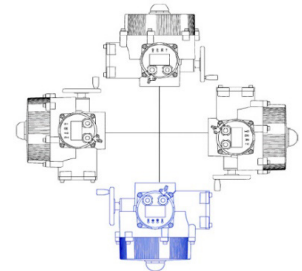
Double Square Drive Bush



ISO Flange Dimensions



Mounting Position



On demand

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

Accessories/Options	Add'l Position Switches	2WE	Potential-free additional position switches with silver contacts (0.1 A - 10 A switching current)
	Add'l Position Switches Gold	2WE Gold	Potential-free additional position switches with gold contacts (0.1 mA - 100 mA switching current)
	Integrated process	PSIC	Enables the autonomous control of a process so that an external controller is not required
	Fail-Safe*	PSCP	Emergency power supply based on supercapacitors, safety position OPEN, CLOSED or free defined position
	Fieldbus Interface*		Digital transmission of nominal and actual value per mill or percent, report of monitoring and diagnostic data using Profibus DP (PSPDP), CANopen (PSCA), PROFINET, MODBUS-RTU interfaces, additional interfaces available on request
	Local Control*	PSC.2	Illuminated display to show the actuator status and lockable selector to switch between modes: automatic, manual process ON/OFF, STOP and parameter menu. Control buttons for manual movement, menu operation and adjustment of parameters, display of diagnostic information. Also available for mounting separately from the actuator (incl. 10 m connection cable)
	Rotational speed controller, set value B		External regulation of the rotational speed via set value B.
	Relay module		5 potential-free relays with changeover contacts for reporting parameterisable events. Suitable for switching currents 0.1 A to 1 A at voltages 24 V to 230 VAC/DC
Heating Resistor	HR	Heating resistor to prevent condensation	
Terminal Box*		Plug and socket in an IP68 box	

*not retrofittable

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

Subject to changes!