

PS-AMS PSQ

The smart quarter-turn actuator up to 3000 Nm

Safe in operation and extremely compact with an outstanding value for money

Improved stability due to metal mainframe for mainboard and accessories



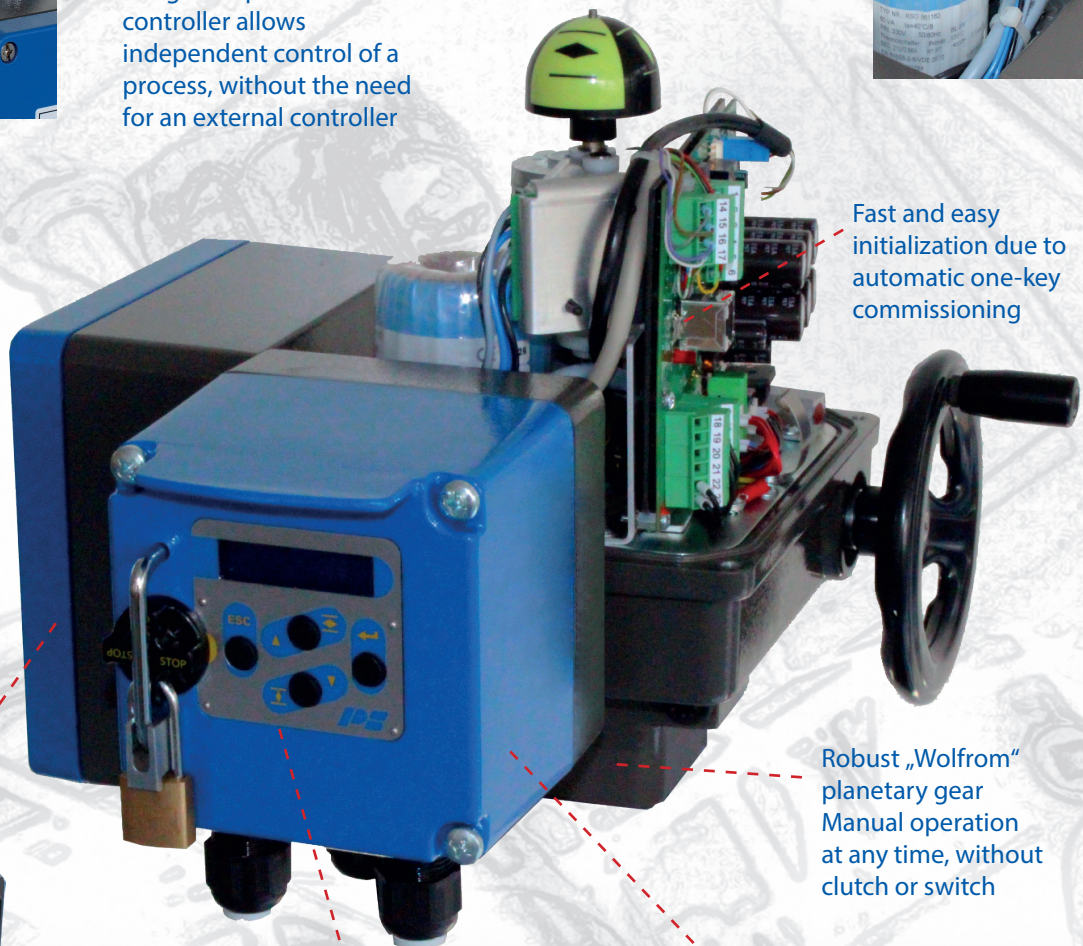
Option:
Integrated process controller allows independent control of a process, without the need for an external controller

Option:
Potential-free additional limit switches / intermediate position switches for additional status signals. Now retrofittable!



Diagnostic and monitoring function gives information about the status of the operating valve

Fast and easy initialization due to automatic one-key commissioning

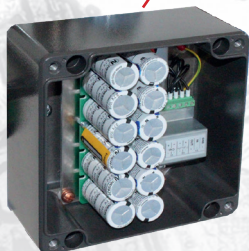


Robust „Wolfrom“ planetary gear
Manual operation at any time, without clutch or switch

Programmable via optional local control or via USB interface
Manual operation and access to parameters and diagnosis on site without PC

- Common interfaces are integrated, fieldbus optional
- Integrated position indicators and valve positioner functionalities
- Valve control curve adjustable
- Split range control possible

Optional:
Power failure backup
Integrated emergency supply on basis of super capacitors, freely adjustable failsafe position



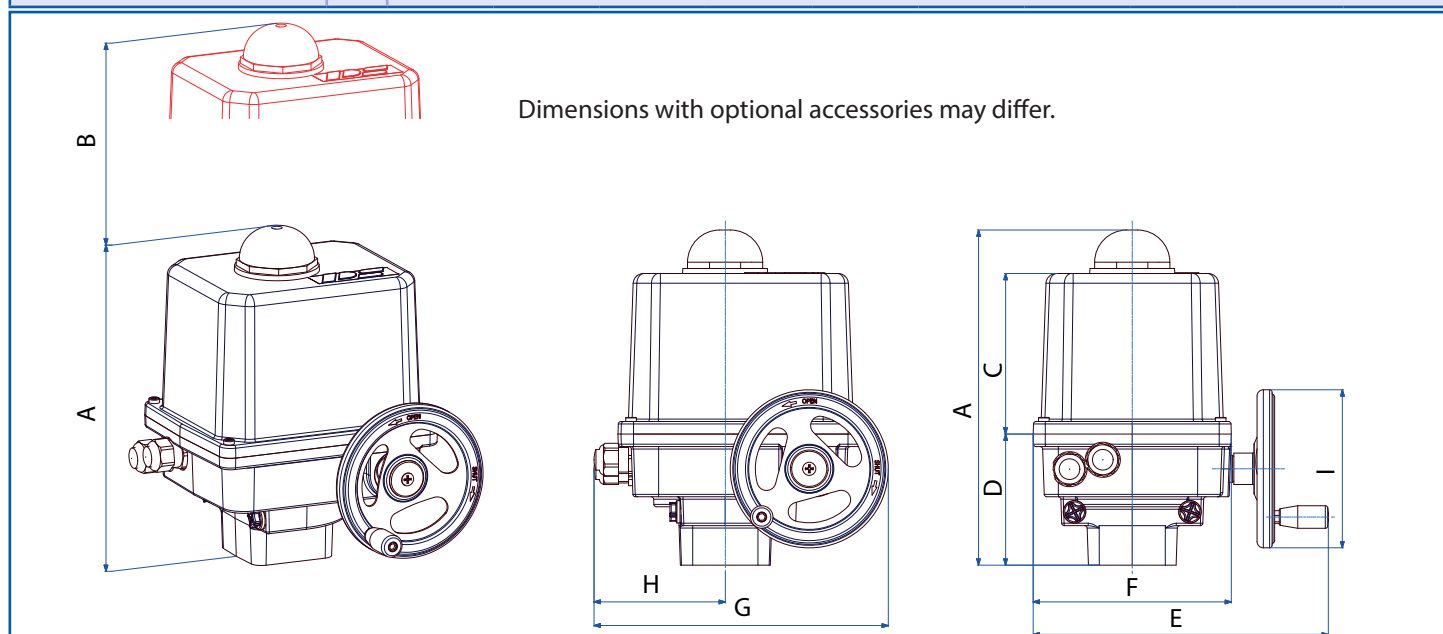
Option:
Terminal box IP68 with plug modules for power supply and signals available



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Technical data

PS-AMS PSQ		PSQ103 AMS11	PSQ103 AMS12	PSQ203 AMS11	PSQ203 AMS12	PSQ503 AMS12	PSQ703 AMS13	PSQ1003 AMS13	PSQ1503 AMS13	PSQ2003 AMS12 PSQ2803 AMS13	PSQ3003 AMS13
Switching torque	Nm	65-130	65-130	125-250	125-250	250-500	350-700	500-1000	750-1500	1000-2800	1500-3000
Angle of rotation	°	90 ± 5									
Handwheel turns	/90°	18									
Valve flange acc. to ISO 5211		F05/F07	F05/F07	F07/F10	F07/F10	F10/F12	F10/F12	F12/F14	F12/F14/ F16	F16	F16
Enclosure acc. to EN 60529		IP67, optional IP68									IP67
Ambient temperature	°C	-20° to +60° / optional -40° to +60°									
Weight	kg	7	7	13	13	27	27	27	27	54	54
Operating time/90°	s	36-72	9-18	60-120	16-32	36-72	70-140	70-140	110-220	144-560	120-172
Power supply	V	100-240 VAC 1~, 360...575 VAC 3~, 24 VAC/DC									
Operating mode IEC 60034-1,8		S2 30 min, S4 50% ED - 1200 c/h									
Motor protection		Thermal monitoring and overload protection									



Einbaumaße	A	B	C	D	E	F	G	H	I
PSQ103AMS	268	161	128	104,5	236	158	244	114	125
PSQ203AMS	355	228	194	122,5	307	185	292	112	200
PSQ503/703AMS	406/409	240	198	171,5	358	234	350	141	200
PSQ1003AMS	406/409	240	198	171,5	287	234	375	141	250
PSQ1503AMS	406/409	240	198	173	275	234	375	141	250
PSQ2003/2803AMS	608	240	198	374,5	506	390	350	140	200
PSQ3003AMS	608	240			431			140	

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