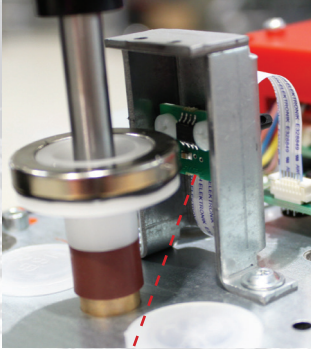


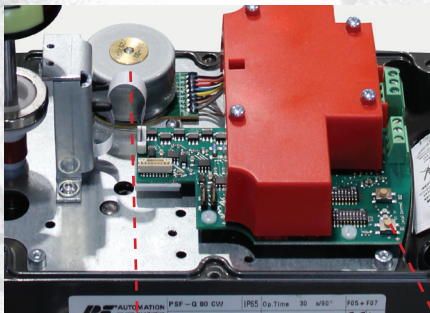
PSF-Q

PS® AUTOMATION
we care for actuation

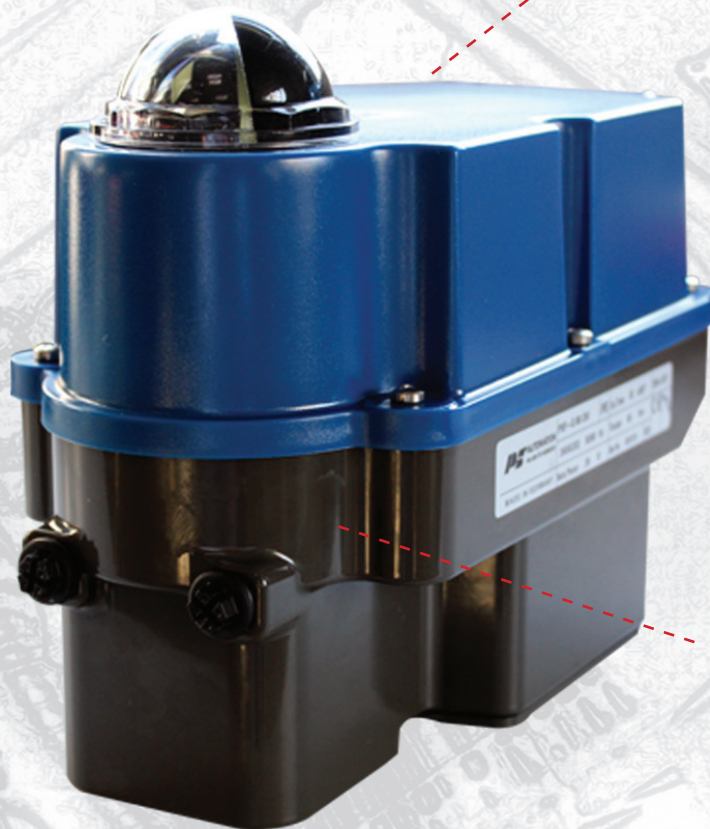
Electric 90° quarter-turn actuator with mechanical fail safe function



Contactless, non-wearing travel detection with Hall sensor for exact positioning



Brushless DC motor (BLDC). Controller with integrated positioner function

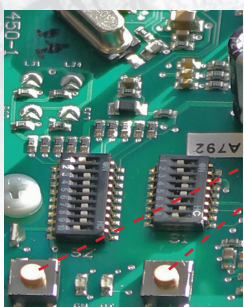


Robust industrial design with polycarbonate cover, enclosure IP65

Compact design with low installation height, durable aluminium gearbox

Status display and automatic commissioning

Integrated power spring for fail safe function in case of loss of power supply, either extending or retracting actuator stem

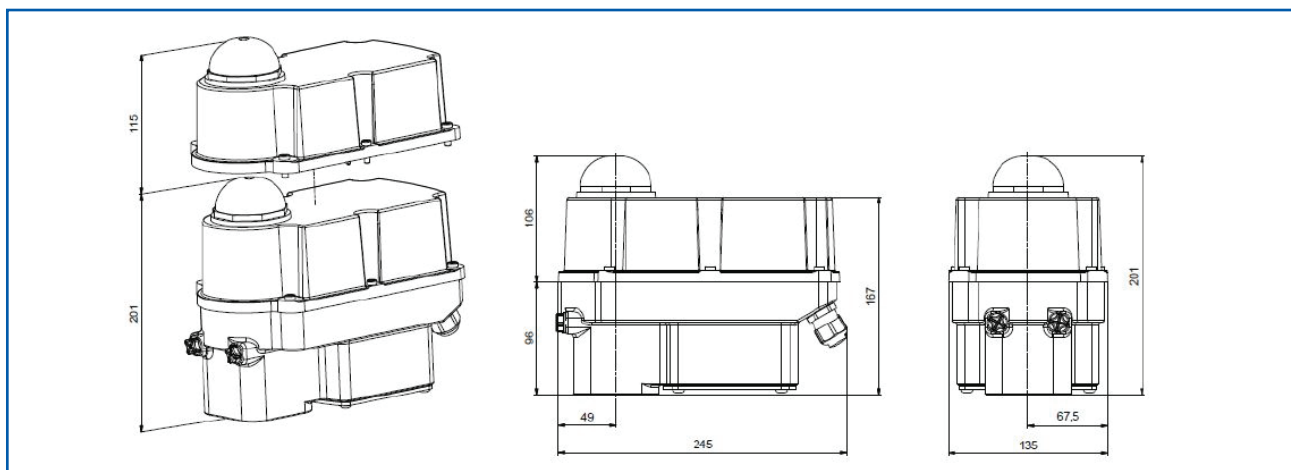


Manual operation with push buttons. Parameter setting via DIP switches

Technical Data

		PSF-Q50	PSF-Q80
Torque		50	80
Operating Time / 90°		25 s	30 s
Flange (ISO 5211)		F05 / F07	
Power supply	V	24 VAC/DC, 100 - 240 VAC	
Weight approx.	kg	5.9	
Frequency	Hz	50 - 60	
Nominal / Maximum Current	A	0.16 / 1.15	0.2 / 1.55
Power Consumption	W	22 (100-240 VAC) / 22 (24 VAC) / 20 (24 DC)	28 (100-240 VAC) / 28 (24 VAC) / 27 (24 DC)
Duty cycle as per IEC 60034-1,8		S2 30 min / S4 50% ED - 1200c/h	
Permitted ambient temperature		-10 to +60°C	
Motor Protection		Electronic motor current monitoring with safety cut-off	
Overvoltage Category		II	
Binary control		24 - 230 VAC & 24 VDC for ON/OFF service	
Set value and feedback		0-20 mA, 4-20 mA, 0-10 V, 2-10 V selectable	
Valve Positioner Function		Integrated, deadband 0.6% of full signal range, shut-off minimum	
Automatic Start-up		Recognizing the end position(s) and autoscaling set and feedback values	
Internal Fault Monitoring		Torque, set value, temperature, power supply	
Cable Glands		2 pcs. ISO M20 x 1.5 and 1 pcs. ISO M16 x 1.5	
Fail-Safe Operating Direction		Clockwise (CW) - Spring drives output valve shaft clockwise or Counter Clockwise (CCW) - Spring drives output valve shaft counterclockwise	

Dimensions



PS Automation GmbH

Philipp-Krämer-Ring 13 • D-67098 Bad Dürkheim
+49 (0) 6322-94980-0 • info@ps-automation.com
www.ps-automation.com

Engineered and Made in Germany



ISO 9001
12 2019:2014
ISO 14001
73 041 9001
www.proficert.de