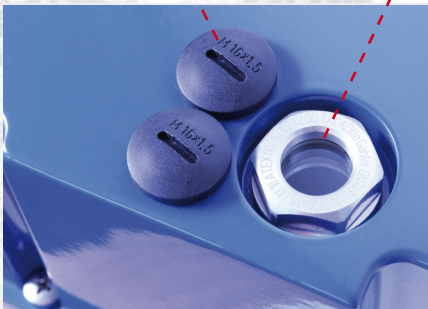


PSF-M-EX

PS[®] AUTOMATION
we care for actuation

The explosion-proof linear actuator with manual override

Manual operation of the actuator is also possible in hazardous environment

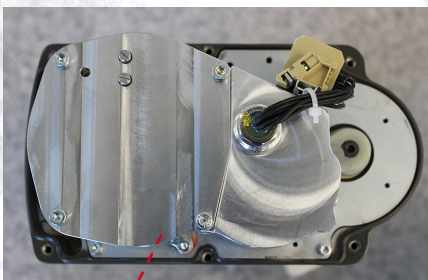


Inspection glass to show LED signals in hazardous environment

Explosion-proof terminals

Brushless DC motor (BLDC)
Controller with integrated positioner function. Status display and automatic commissioning

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



Pressure-tight casing for applications in Zone 1, 2, 21, 22

Compact design with low installation height, full aluminium housing

Easy valve mounting

Manual operation with handwheel

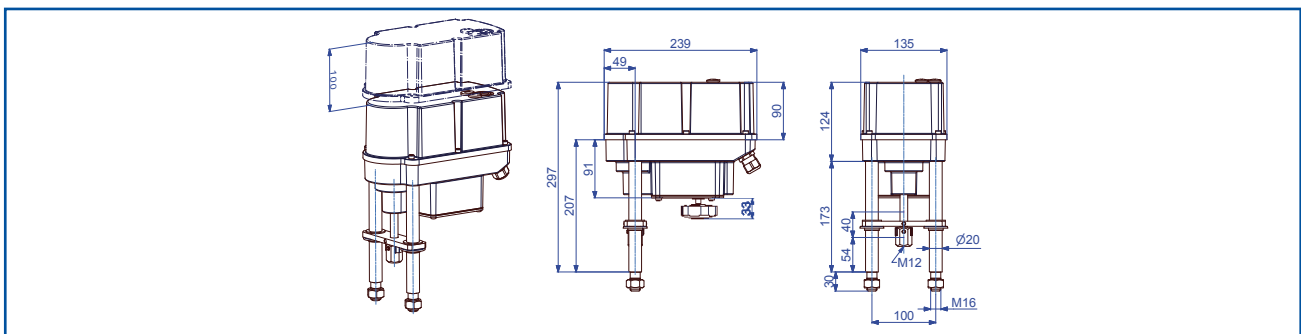


PSF-M-EX

Technical Data

		PSF-M401-EX	PSF-M402-EX	PSF-M405-EX	PSF-M410-EX
Device category		II 2G II 2D			
EU Type Examination Certificate		TPS 22 ATEX 110398 0002 X			
ATEX directive gases		Ex db eb IIC T6/T4 Gb Ex h db eb IIC T6/T4 Gb			
ATEX directive dusts		Ex tb IIIC T80°C/T100°C Db Ex h tb IIIC T80°C/T100°C Db			
IECEX CoC		IECEX TPS 22.0019X			
IECEX directive gases		Ex db eb IIC T6/T4 Gb			
IECEX directive dusts		Ex tb IIIC T80°C/T100°C Db			
Thrust	kN	1	2	5	10
Stroke	mm	max. 40			max. 50
Pillar distance	mm	100			
Manual override		electrically via 2 push buttons or handwheel			
Velocity (adjustable)	mm/s	0.5 / 0.75 / 1.0			0.3 / 0.25 / 0.17
Power Supply		24 VAC/DC, 100 - 240 VAC			
Motor protection		Electronic motor current monitoring with safety cut-off			
Duty cycle as per IEC 60034-1,8		S2 30 min / S4 1200c/h - 50% ED			
Permitted ambient temperature		-10°C ≤ Ta ≤ +40°C (T6) / +60°C (T4)			
Internal fault monitoring		Thrust, set value, temperature, power supply			
Binary control		24 - 230 VAC for ON/OFF service			
Set value and feedback		0-20 mA, 4-20 mA, 0-10 V, 2-10 V selectable			
Mounting Position		Any position, except cover pointing downwards			
Conduit entries		2 pcs. M 20 x 1.5 / 1 pc. M 16 x 1.5			
Enclosure acc. to EN 60529		IP65 (IP67 optional)			
Cover material		High quality aluminium die casting, powder-coated			
Gear case material		High quality aluminium die casting, powder-coated			
Pillar material		Steel 1.4104			

Dimensions



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Engineered and Made in Germany

