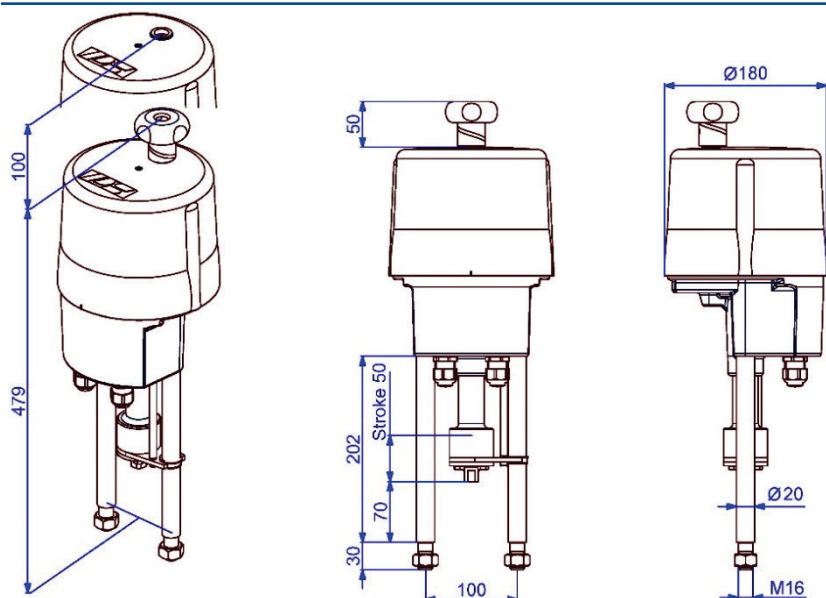


# Electric Linear Actuator

PSL202



Dimensions are only valid up to and including connection M12!

Approx. weight: 4.5 kg without accessories

**2 kN**  
Max. Thrust )<sup>1</sup>

**0.25 - 1.4 mm/s**  
Operating Speed

**max. 50 mm**  
Stroke

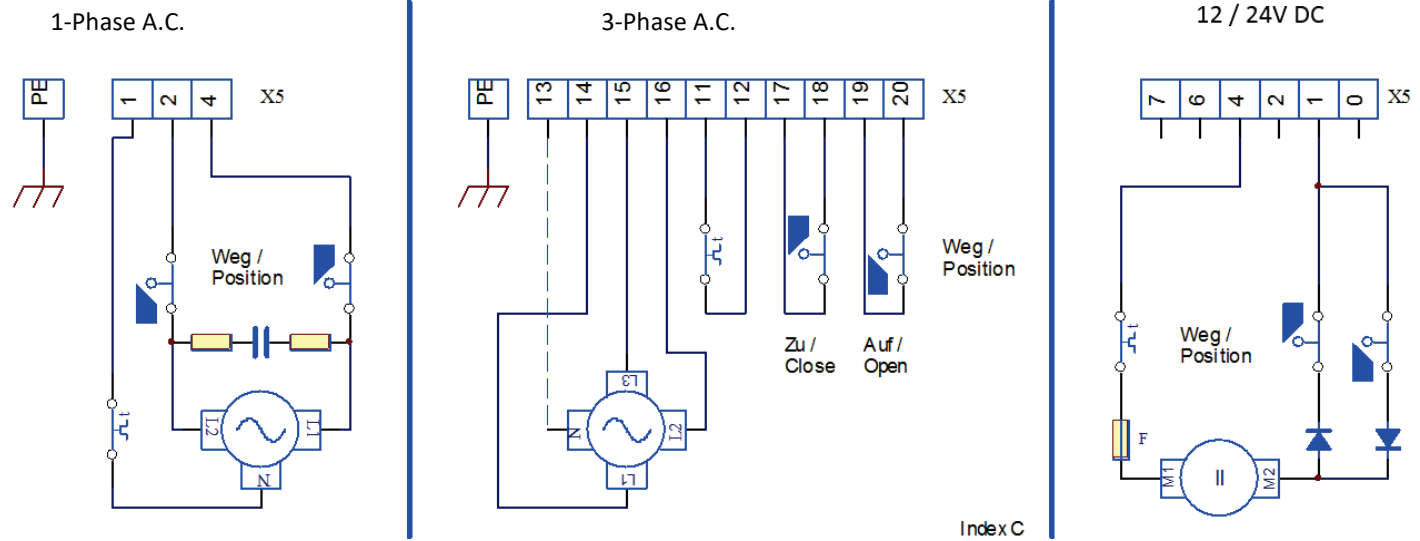
Modulating Actuator  
**Class C**  
acc. EN ISO 22153

**Enclosure IP65**  
EN 60529

Velocity		0,5 mm/s [50 Hz] / 0,6 mm/s [60 Hz]					PSL202	
Power Supply	[V]	230 VAC 1~	115 VAC 1~	24 VAC 1~	400 V 3~	24 VDC		
Frequency	[Hz]	50 / 60	50 / 60	50 / 60		-		
Normal Current	[A]	0.05	0.1	0.5		0.35		
Maximum Current	[A]	0.07	0.13	0.6		0.63		
Power Consumption ) <sup>2</sup>	[W]	12	12	12		8		
Duty Cycle	IEC 60034-1	S2 30 min / S4 50% ED @ 25°C				see left		
Ambient Temperature	[°C]	-20°C to +80°C (S2) / -20°C to +60°C (S4)				see left		
Overvoltage Category		II				II		
Motor Protection		blockable				Multifuse		
Velocity		0,25 mm/s [50 Hz] / 0,3 mm/s [60 Hz]					PSL202.1	
Power Supply	[V]	230 VAC 1~	115 VAC 1~	24 VAC 1~	400 V 3~	24 VDC		
Frequency	[Hz]	50 / 60	50 / 60	50 / 60				
Normal Current	[A]	0.03	0.07	0.33				
Maximum Current	[A]	0.04	0.08	0.4				
Power Consumption ) <sup>2</sup>	[W]	8	8	8				
Duty Cycle	IEC 60034-1	S2 30 min / S4 50% ED @ 25°C						
Ambient Temperature	[°C]	-20°C to +80°C (S2) / -20°C to +60°C (S4)						
Overvoltage Category		II						
Motor Protection		blockable						
Velocity		1,4 mm/s [50Hz] / 1,7 mm/s [60Hz]				1 mm/s	PSL202.2	
Power Supply	[V]	230 VAC 1~	115 VAC 1~	24 VAC 1~	400 V 3~	24 VDC		
Frequency	[Hz]	50 / 60	50 / 60	50 / 60	50 / 60	-		
Normal Current	[A]	0.11	0.22	1	0.13	1		
Maximum Current	[A]	0.13	0.26	1.3	0.18	2.5		
Power Consumption ) <sup>2</sup>	[W]	25	25	25	30	12		
Duty Cycle	IEC 60034-1	S2 30 min / S4 50% ED @ 25°C						
Ambient Temperature	[°C]	-20°C to +80°C (S2) / -20°C to +60°C (S4)						
Overvoltage Category		II						
Motor Protection		Thermo switch				Multifuse		
Standard		Description					Standard Equipment	
Cable Glands		2 pcs. M 20 x 1,5						

)<sup>1</sup> = Permissible average thrust over the entire travel is 50% of the max. thrust  
)<sup>2</sup> = at max. thrust

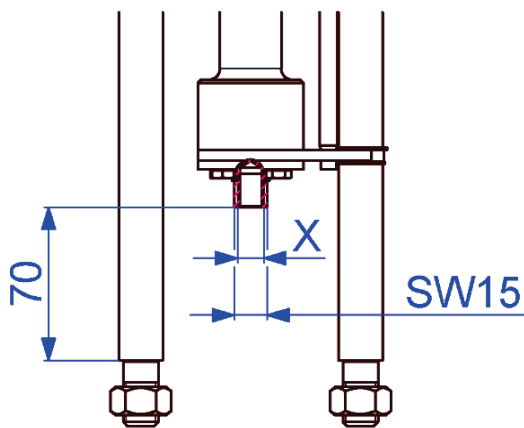
## Wiring Diagram



## Dimension of the PS-Standard-Adaption

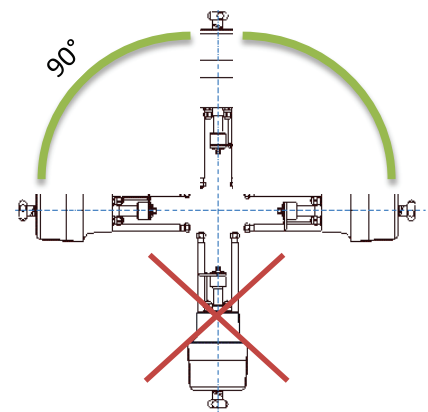
## Connection Thread X

## Mounting Position



M8	Optional
M10	Optional
M12	Standard
M14	Optional
M16	Optional

*Fine Threaded and other sizes on request!*



Accessories/ Options	Power Supply		230 VAC 1~	115 VAC 1~	24 VAC 1 ~	400 V 3~	24 VDC
	Add'l Position Switches	2WE	•	•	•	•	•
	Add'l Position Switches Gold	2WE Gold	•	•	•	•	•
	Positioner	PSAP	•	•	•	• ) <sup>3</sup>	
	Position Transmitter	PSPT	•	•	•	•	•
	Heating Resistor	HR	•	•	•	• ) <sup>4</sup>	•
	Potentiometer	PD	•	•	•	•	•
	Reversing Starter Contactor	WSM01				•	
	IP67 Metal Cover	IP67	Increase of enclosure to IP67				
	IP68 Metal Cover	IP68	IP68 ) <sup>5</sup> incl. heating resistor				

• available, for further information see respective datasheet

)<sup>3</sup> = only to be used with reversing starter contactor

)<sup>4</sup> = supply voltage 24 V or 115-230 V possible

)<sup>5</sup> = IP68, no ingress of dust and suitable for continuous immersion in water up to 6 m and 96 h

For more information and accessories, please visit our website [www.ps-automation.com](http://www.ps-automation.com)!

*Subject to changes!*