

# Technical Data AEC-TPS



Fig. 1 Figure of AEC-TPS

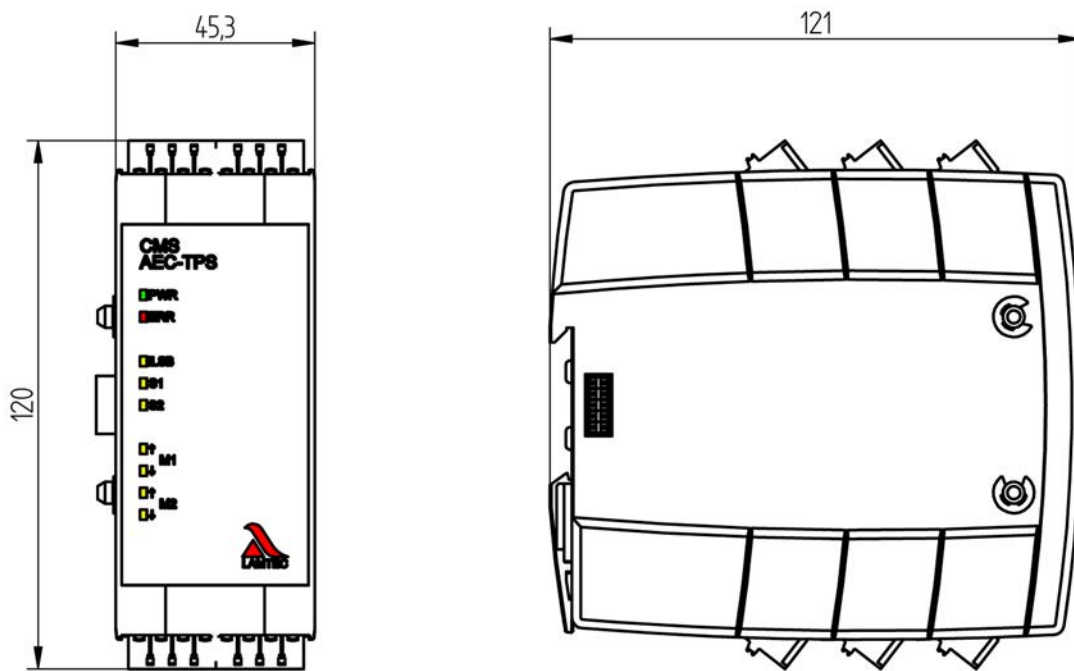


Fig. 2 AEC-TPS dimensional drawing

## Part number

AEC-TPS Actuator Extension Component - DPS-Motor

type 668R0200-XX\*

\* XX = dependent on the configuration

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Dimensions (h x w x d)	120 x 45.3 x 121 mm / 4.72 x 1.78 x 4.76" in	
Weight	0.244 kg / 0.54 lb	
Power supply: AEC-TPS	24 VDC $\pm$ 20 % (via plug-in connection from MCC)	
Motor outputs	230 VAC +10/-15 %, 47 - 63 Hz, 0.2 A max 120 VAC +10/-15 %, 47 - 63 Hz, 0.2 A max Caution! Semiconductor switching element: a minimum residual voltage is present even when the device is switched off cable length max. = 200 m / 656.17 ft	
Maximum pre-fuse	1.6 A slow-blow for each output module	
Current consumption	min: 50 mA max: 60 mA	
Power consumption	2 W	
Analogue signal inputs	potentiometer 1:	potentiometer, conductive plastic 1 k $\Omega$ ... 10 k $\Omega$ qualified according to EN 12067-2 when using a single-channel position feedback signal Reference voltage 6.6 V
	potentiometer 2:	optional potentiometer, conductive plastic 1 k $\Omega$ ... 10 k $\Omega$ reference voltage 6.6 V
Resolution	0.1 % from angle of rotation	
Repeating precision	electronic ratio control accuracy: – for annual check $\pm$ 1.5 % – across the entire life cycle of 10 years $\pm$ 5.3 %	
Running time motor to TPS module	not less than 30 s to 90°	
Potentiometer connection	max. conductor length = 200 m / 656.17 ft shielded conductor	
Flammability	UL94 V-0	

### Environmental Conditions

<b>Operation</b>	permissible temperature range	-30 ... +70 °C (condensation prohibited) / -22 ... +158 °F
	permissible humidity	5 % ... 95 % relative humidity
<b>Transport/Storage</b>	permissible temperature range	-40 ... +80 °C (condensation prohibited) / -40 ... +176 °F
	permissible humidity	5 % ... 95 % relative humidity
<b>Degree of protection</b>	DIN EN 60529	IP20 (when all terminals are fitted)

### NOTICE

The limits of the technical data must be strictly adhered to.

# Technical Data AEC-TPS

## Order Information

Description/Type	Order no.
AEC-TPS Actuator Extension Component-max 2 TPS actuators, power supply 24VDC/1,5W Module for controlling and monitoring 2 three-point step actuators with potentiometer for position feedback	668R0200...
<b>A 10 – CONTROL VOLTAGE</b>	<b>Selection</b>
120 ... 230 VAC	AC
<b>A 20 – POSITION FEEDBACK</b>	<b>Selection</b>
1 POTENTIOMETER	1PO
2 POTENTIOMETER	2PO
<b>A 30 – CUSTOMER</b>	<b>Selection</b>
STANDARD	S
<b>A 40 – COLOR</b>	<b>Selection</b>
BLACK (STANDARD)	SW
<b>A 50 – CONNECTOR SET</b>	<b>Selection</b>
SCREW TERMINALS Connector set included	SC
SPRING TERMINALS Connector set included	FED
WITHOUT Connector set not included, must be ordered separately, see "Separate Connector Sets for AEC-TPS"	0

### Separate connector sets for AEC-TPS

when attribute 50 „CONNECTOR SET“ = selection „0“

Description/Type	Order no.
Screw Terminals AEC-TPS 2 Potentiometer	668R0083
Spring Terminals AEC-TPS 2 Potentiometer	668R0093



The information in this publication is subject to technical changes.



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