

Technical Data AEC-TPS



Fig. 1 Figure of AEC-TPS

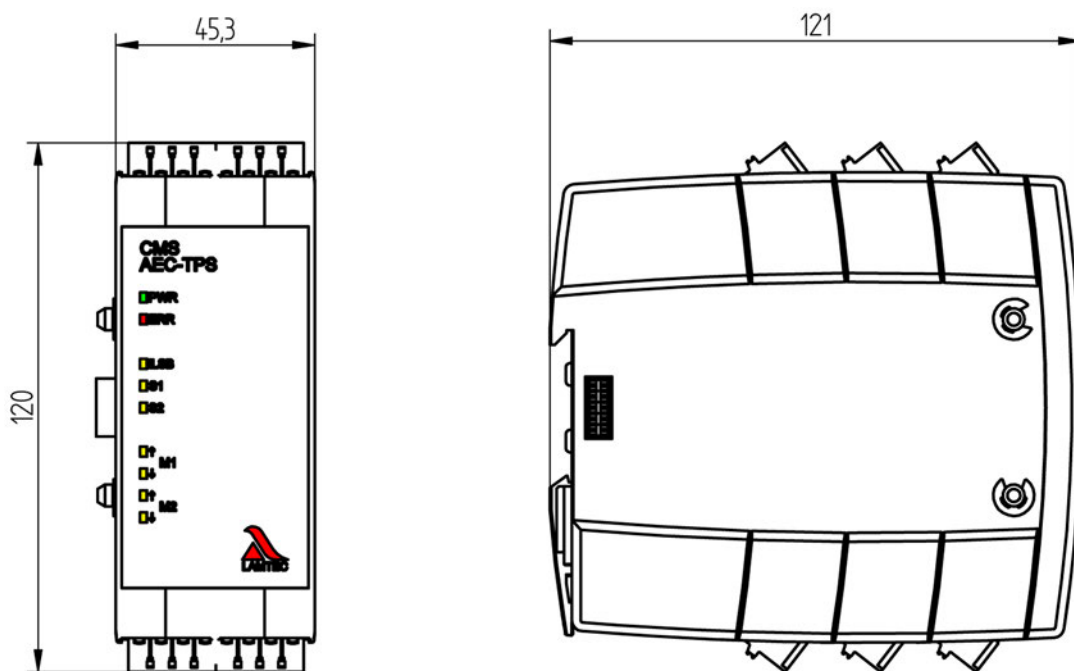


Fig. 2 AEC-TPS dimensional drawing

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, 0.4 A max 120 VAC +10/-15 %, 47 - 63 Hz, 0.4 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	<table border="1"> <tr> <td>potentiometer 1:</td> <td>potentiometer, conductive plastic 1 kΩ ... 10 kΩ qualified according to EN 12067-2 when using a single channel position feedback signal Reference voltage 6.6 V</td> </tr> <tr> <td>potentiometer 2:</td> <td>optional potentiometer, conductive plastic 1 kΩ ... 10 kΩ reference voltage 6.6 V</td> </tr> </table>	potentiometer 1:	potentiometer, conductive plastic 1 k Ω ... 10 k Ω 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 Ω ... 10 k Ω reference voltage 6.6 V
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potentiometer 2:	optional potentiometer, conductive plastic 1 k Ω ... 10 k Ω 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

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

EU Declaration of Conformity

2014/35/EU	Low Voltage Directive
2014/68/EU	Pressure Equipment Directive Kat. 4 Mod. B+D
2014/30/EU	EMC Directive
(EU) 2016/426	Gas Appliance Regulation (GAR)
2011/65/EU	RoHS

NOTICE

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

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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...
A 10 – CONTROL VOLTAGE	Selection
120 ... 230 VAC	AC
A 20 – POSITION FEEDBACK	Selection
1 POTENTIOMETER	1PO
2 POTENTIOMETER	2PO
A 30 – CUSTOMER	Selection
STANDARD	S
A 40 – COLOR	Selection
BLACK (STANDARD)	SW
A 50 – CONNECTOR SET	Selection
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

Approvals



The information in this publication is subject to technical changes.

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