

Technical Data AEC-TPS

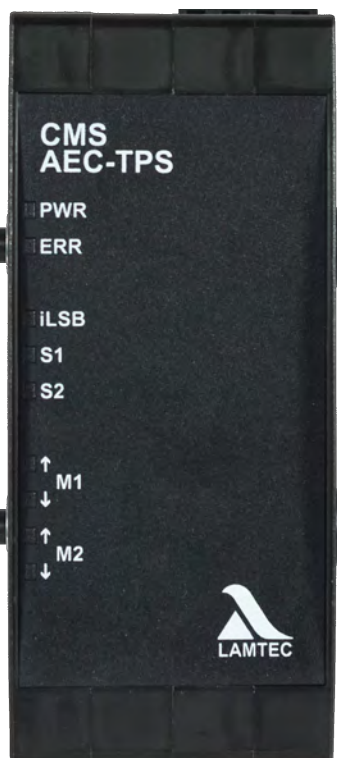


Fig. 1 AEC-TPS photo

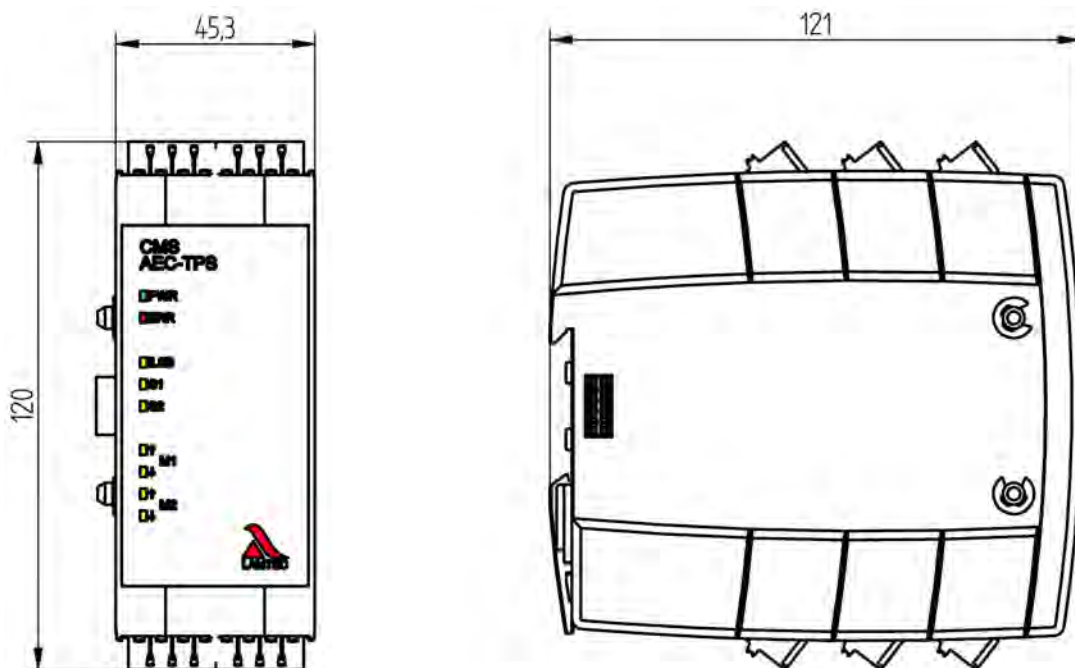


Fig. 2 AEC-TPS dimensional drawing

Part number

AEC-TPS Actuator Extension Component - DPS-Motor

type 668R0200-XX*

* XX = dependent on the configuration

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| Technical Data AEC-TPS | | | | | |
|----------------------------------|---|---------|---|---------|---|
| 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 | | | | |
| 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>poti 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>poti 2:</td> <td>optional potentiometer, conductive plastic 1 kΩ ... 10 kΩ reference voltage 6.6 V</td> </tr> </table> | poti 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 | poti 2: | optional potentiometer, conductive plastic 1 k Ω ... 10 k Ω reference voltage 6.6 V |
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| poti 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 = 100 m / 328.10 ft shielded conductor | | | | |
| Flammability | UL94 V-0 | | | | |

Environmental Conditions

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

NOTICE

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

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Order Information

| Description/Type | Order no. - selection |
|--|-----------------------|
| 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 |



The information in this publication is subject to technical changes.



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