

E-pak
EPAK-TMR-PT100-S**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com



The analogue converters of the EPAK series are characterised by their compact design. The wide range of functions available with this series of analogue converters make them suitable for applications which do not require international approvals.

Properties:

- Safe isolation, conversion and monitoring of your analogue signals
- Configuration of the input and output parameters directly on the device via DIP switches
- No international approvals
- High interference resistance

General ordering data

Type	EPAK-TMR-PT100-S
Order No.	7760054303
GTIN (EAN)	6944169742446
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Length	100 mm	Length (inches)	3.937 inch
Width	17.5 mm	Width (inches)	0.689 inch
Depth	89 mm	Depth (inches)	3.504 inch
Net weight	80 g		

Temperatures

Operating temperature, max.	60 °C	Operating temperature, min.	-20 °C
Storage temperature, max.	85 °C	Storage temperature, min.	-40 °C
Operating temperature	-20 °C...60 °C	Storage temperature	-40 °C...85 °C

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

Sensor	Temperature input range	PT1000: -200°C...850 °C, Range is factory set (Please specify the temperature range with the order)
	PT100 / 2-/3-/4-wire	

General data

Accuracy	0.2% FSR	Configuration	Factory setting
Galvanic isolation	between input/output	Power consumption	<60mA @ 24VDC
Step response time	≤ 200 ms (10...90%)	Temperature coefficient	≤ 150 ppm/K
Voltage supply	18...30 VDC		

Insulation coordination

EMC standards	EN 61000-6-2, EN 61000-6-4	Galvanic isolation	between input/output
Impulse withstand voltage	4 kV (1.2/50 µs)	Insulation voltage	2.2 kVAC, 1 min, 50 Hz
Pollution severity	2	Rated voltage	300 V AC _{rms}
Surge voltage category	II		

Output (digital)

Alarm function	as per factory setting, Top and bottom limit values, window range, Alarm delay: 0...10 s, Hysteresis: 5 °C	Type	Relay, 1 CO contact
Max. switching voltage, DC	30 V	Max. switching voltage, AC	250 V
Rated switching current	3 A		

Connection data

Type of connection	Screw connection	Tightening torque, min.	0.4 Nm
Tightening torque, max.	0.6 Nm	Clamping range, rated connection	2 mm ²
Clamping range, min.	0.5 mm ²	Clamping range, max.	2 mm ²
Wire connection cross section AWG, min.	AWG 30	Wire connection cross section AWG, max.	AWG 14

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Classifications

ETIM 6.0	EC002919	eClass 9.0	27-21-01-29
eClass 9.1	27-21-01-29		

Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity
Engineering Data	STEP
User Documentation	Instruction sheet

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Drawings

