

EPAK-TMR-PT100-S

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

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

Order No.	7760054303
Type	EPAK-TMR-PT100-S
GTIN (EAN)	6944 169742446
Qty.	1 Stück

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Technische Daten

Dimensions and weights

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

Temperatures

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

Input

Temperature input range	PT1000: -200°C...850 °C, Range is factory set (Please specify the temperature range with the order)		
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Output (digital)

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

General data

Accuracy	0.2% FSR	Configuration	Factory setting, Please specify measuring range + output value when ordering
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		

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	ETIM 7.0	EC002919
ETIM 8.0	EC002919	ECLASS 9.0	27-21-01-29
ECLASS 9.1	27-21-01-29	ECLASS 10.0	27-21-01-29
ECLASS 11.0	27-21-01-29	ECLASS 12.0	27-21-01-29

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	6a722fc5-2d22-41b4-9544-5b95e45a4b77

Approvals

Approvals



ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity
Engineering Data	CAD data – STEP
User Documentation	Instruction sheet
Catalogues	Catalogues in PDF-format

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Zeichnungen

