

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)	6944169742446
Qty.	1 pc(s).

EPAK-TMR-PT100-S

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

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

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-20 °C...60 °C
---------------------	----------------	-----------------------	----------------

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
------------	----------------

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	

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
Galvanic isolation	between input/output	Power consumption	<60mA @ 24VDC
Step response time	≤ 200 ms (10...90%)	Temperature coefficient	≤ 150 ppm/K
Type of connection	Screw connection	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

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Technical data****Classifications**

ETIM 6.0	EC002919	ETIM 7.0	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

Approvals

Approvals



ROHS

Conform

DownloadsApproval/Certificate/Document of
Conformity[Declaration of Conformity](#)

Engineering Data

[STEP](#)

User Documentation

[Instruction sheet](#)

EPAK-TMR-PT100-S

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

www.weidmueller.com

Drawings

