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).

Creation date December 4, 2023 8:40:30 AM CET

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Technical data

Dimensions and weights

Depth	89 mm	Depth (inches)	3.504 inch
Height	100 mm	Height (inches)	3.937 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

Input

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

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 mm²
Clamping range, min.	0.5 mm²	Clamping range, max.	2 mm²
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	ETIM 9.0	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	ECLASS 13.0	27210129

Environmental Product Compliance

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

Approvals

Approvals	CE
ROHS	Conform

Downloads

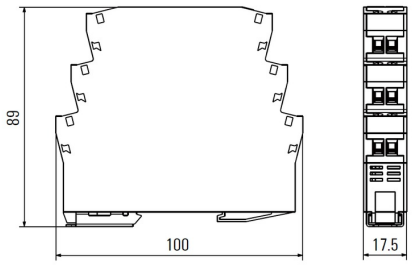
Approval/Certificate/Document of Conformity	Declaration of Conformity
Engineering Data	CAD data – STEP
User Documentation	Instruction sheet
Catalogues	Catalogues in PDF-format

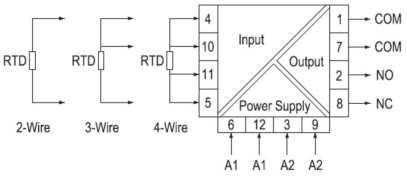
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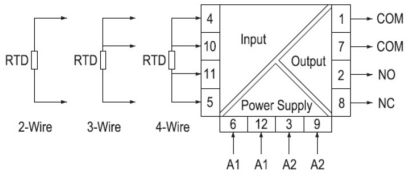
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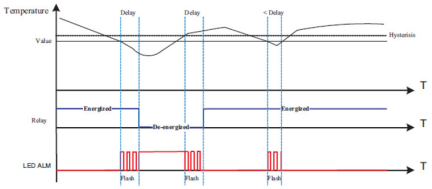
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Drawings

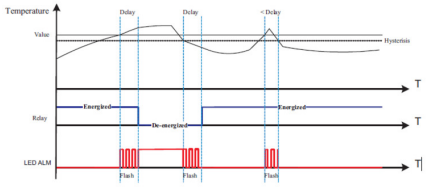








Under mode working timing diagram



Over mode working timing diagram

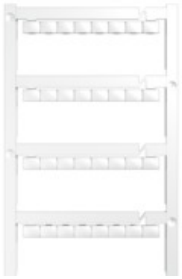
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Accessories

Blank



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.
Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	DEK 5/7.5 MC NE WS	Version
Order No.	1720620000	Dekafix, Terminal marker, 5 x 7.5 mm, Pitch in mm (P): 7.50
GTIN (EAN)	4008190362300	Weidmueller, white
Qty.	320 pc(s).	