

EPAK-CMR-1PH-5-24V**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.	7760054246
Type	EPAK-CMR-1PH-5-24V
GTIN (EAN)	6944 169733789
Qty.	1 pc(s).

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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
Humidity at operating temperature	0...95 % (no condensation)		

Probability of failure

SIL in compliance with IEC 61508	None
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Input

Input current	0.1...1A AC/DC, 0.5...5A AC/DC	Input frequency	40...60 Hz
Input signal	AC (sine), DC		

Output

Number of outputs	1
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Output (digital)

Alarm function	Surge current, Under-current, Alarm range: 10% ...100% $\cdot I_N$, Hysteresis: 5% $\cdot I_N$ (fixed), Alarm delay: 0...10 s	Continuous current	3 A
Max. switching frequency	20 Hz	Max. switching voltage, AC	250 V
Max. switching voltage, DC	30 V	Number of digital outputs	1
Type	Relay, 1 CO contact		

General data

Accuracy	5 % $\cdot I_N$	Configuration	DIP switch and potentiometer
Galvanic isolation	between input/output/supply/relay, yes, between input/output/supply	Power consumption	<60 mA @24 VDC
Repeat accuracy	2 % $\cdot I_N$	Step response time	<220 ms (10...90 %)
Temperature coefficient	≤ 250 ppm/K, ± 250 ppm/K, 350 ppm/K	Voltage supply	18...30 VDC

Insulation coordination

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

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Catalogue status 04.05.2024 / We reserve the right to make technical changes.

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

Classifications

ETIM 6.0	EC002654	ETIM 7.0	EC002654
ETIM 8.0	EC002654	ETIM 9.0	EC002654
ECLASS 9.0	27-21-01-22	ECLASS 9.1	27-21-01-22
ECLASS 10.0	27-21-01-22	ECLASS 11.0	27-21-01-22
ECLASS 12.0	27-21-01-22	ECLASS 13.0	27-21-01-22

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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Drawings

