

**EPAK-VMR-1PH-300-230V****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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.	<a href="#">7760054245</a>
Type	EPAK-VMR-1PH-300-230V
GTIN (EAN)	6944 169733772
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 frequency	40...60 Hz	Input resistance, voltage	1 MΩ±5%
Input signal	DC, AC (sine)	Input voltage	U <sub>1</sub> : 30...300 VAC/DC, U <sub>2</sub> : 6...60 VAC/DC

## Output

Number of outputs	1
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## Output (digital)

Alarm function	Surge voltage, Undervoltage, Alarm range: 10% ...100% *I <sub>N</sub> , Hysteresis: 5% *U <sub>N</sub> (fixed), Alarm delay: 0...10 s	Max. switching frequency	20 Hz
Max. switching voltage, AC	250 V	Max. switching voltage, DC	30 V
Number of digital outputs	1	Rated switching current	3 A
Type	Relay, 1 CO contact		

## General data

Accuracy	Setting tolerance: 5% of U <sub>N</sub> , Transmission tolerance: 5% of U <sub>N</sub>	Configuration	DIP switch and potentiometer
Galvanic isolation	between input/output/supply/relay, yes, between input/output/supply	Power consumption	<60 mA @24 VDC, <9 mA @230 VAC
Repeat accuracy	2 % *U <sub>rated voltage</sub>	Step response time	≤ 200 ms (10...90%)
Temperature coefficient	≤ 250 ppm/K of final value, ± 250 ppm/K, 350 ppm/K	Voltage supply	85...264 VAC

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## Insulation coordination

EMC standards	IEC 61000-6-2, IEC 61000-6-4, EN 61326	Galvanic isolation	between input/output/supply/relay, yes, between input/output/supply
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 <sub>rms</sub>
Surge voltage category	III		

## 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 <sup>2</sup>
Clamping range, min.	0.5 mm <sup>2</sup>	Clamping range, max.	2 mm <sup>2</sup>
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

## Downloads

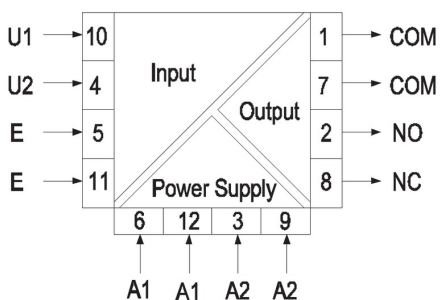
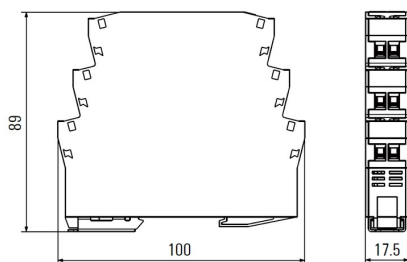
Approval/Certificate/Document of Conformity	<a href="#">Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">Instruction sheet</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

## EPAK-VMR-1PH-300-230V

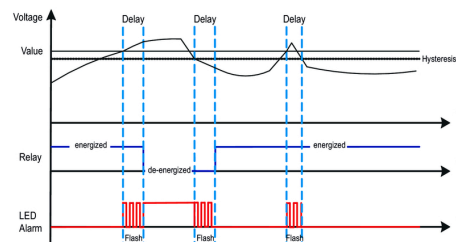
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## Drawings



Over voltage alarm



Under voltage alarm

