

E-pak
EPAK-VMR-1PH-300-24V**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

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

Type	EPAK-VMR-1PH-300-24V
Order No.	7760054244
GTIN (EAN)	6944169733765
Qty.	1 pc(s).

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Technical data
Dimensions and weights

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

Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

Input signal	DC, AC (sine)	Input voltage	U _{sub} >1 :30...300 VAC/ DC, U _{sub} >2 :6...60 VAC/ DC
Input resistance, voltage	1 MΩ±5%	Input frequency	40...60 Hz

General data

Accuracy	Setting tolerance: 5% of U _N , Transmission tolerance: 5% of U _N	Configuration	DIP switch and potentiometer
Galvanic isolation	between input/output/ supply/relay	Power consumption	<60 mA @24 VDC, <9 mA @230 VAC
Repeat accuracy	2 % *U _{rated} voltage	Step response time	≤ 200 ms (10...90%)
Temperature coefficient	≤ 250 ppm/K of final value	Voltage supply	18...30 VDC

Insulation coordination

EMC standards	IEC 61000-6-2, IEC 61000-6-4, EN 61326	Galvanic isolation	between input/output/ supply/relay
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	III		

Output (digital)

Alarm function	Surge voltage, Undervoltage, Hysteresis: 5% U _N (fixed), Alarm delay: 0...10 s	Type	Relay, 1 CO contact
Max. switching voltage, DC	30 V	Max. switching voltage, AC	250 V
Rated switching current	3 A		

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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	eClass 6.2	27-37-18-01
eClass 9.0	27-21-01-22	eClass 9.1	27-21-01-22

Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity
Engineering Data	STEP
User Documentation	Instruction sheet

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Drawings

