

EPAK-VM-CO-H

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

Version	Signal converter / insulator, Input : AC/DC voltage, Output : 4-20 mA, Supply voltage: 18...30 V DC
Order No.	7760054299
Type	EPAK-VM-CO-H
GTIN (EAN)	6944 169742378
Qty.	1 items

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Depth	89 mm	Depth (inches)	3.5039 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	5...85 % rel. humidity, no condensation		

Probability of failure

SIL in compliance with IEC 61508 None

Environmental Product Compliance

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

Input

Input voltage	UN1: 0...300 V AC, UN2: 0...125 V AC, UN3: 0...300 V DC, UN4: 0...30 V DC
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Output

Number of outputs	1	Load impedance current	≤ 500 Ω
Output current	4...20 mA		

Output (digital)

Rated switching current	0.1 A	Number of digital outputs	0
Max. switching voltage, AC	0 V	Max. switching voltage, DC	0 V

Output (analogue)

Number analogue outputs	1
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General data

Accuracy	0.5 % FSR	Protection degree	IP20
Supply voltage	18...30 V DC	Step response time	<300 ms

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Power consumption	2.5 W @ 24 V DC	Temperature coefficient	≤ 250 ppm/K of final value
Nominal power consumption	1.7 VA	Configuration	DIP switch

Insulation coordination

Impulse withstand voltage	4 kV (1.2 / 50 µs) input - output/ supply, 800 V (1.2 / 50 µs) output - supply	EMC standards	IEC 61000-6 /-2, IEC 61000-6-4
Test voltage	0.3 kV	Surge voltage category	II
Pollution severity	2	Galvanic isolation	between input/ output/ supply
Insulation voltage input or output/supply	2.2 kVAC, 1 min, 50 Hz	Insulation voltage	500 VAC (1.2 / 50 µs) output - supply

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 8.0	EC002653	ETIM 9.0	EC002653
ETIM 10.0	EC002653	ECLASS 14.0	27-21-01-20
ECLASS 15.0	27-21-01-20		

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Drawings

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