

EPAK-VI-VO**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. | 7760054175 |
| Type | EPAK-VI-VO |
| GTIN (EAN) | 6944 16970 1467 |
| 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 | 5 to 95 % (non-condensing) | | |

Probability of failure

| | |
|----------------------------------|------|
| SIL in compliance with IEC 61508 | None |
|----------------------------------|------|

Input

| | | | |
|---------------------------|----------------------------|---------------|----------|
| Input resistance, voltage | $\geq 100 \text{ k}\Omega$ | Input voltage | 0...10 V |
|---------------------------|----------------------------|---------------|----------|

Output

| | | | |
|----------------------|----------|------------------------|---------------------------|
| Output voltage, note | 0...10 V | load impedance voltage | $\geq 10 \text{ k}\Omega$ |
|----------------------|----------|------------------------|---------------------------|

Output (digital)

| | | | |
|----------------------------|-----|-------------------------|-------|
| Max. switching voltage, AC | 0 V | Rated switching current | 0.1 A |
|----------------------------|-----|-------------------------|-------|

General data

| | | | |
|--------------------|---------------------------------|-------------------------|--------------------------|
| Accuracy | 0.15 % v. FSR | Configuration | none |
| Galvanic isolation | between input / output / supply | Power consumption | <60mA @ 24VDC |
| Step response time | $\leq 100 \text{ ms}$ | Temperature coefficient | $\leq 150 \text{ ppm/K}$ |
| Voltage supply | 20...30 V DC | | |

Insulation coordination

| | | | |
|---------------------------|-----------------------|--------------------|---------------------------------|
| EMC standards | EN 61326 | Galvanic isolation | between input / output / supply |
| Impulse withstand voltage | 3 kV (1.2/50 μ s) | Insulation voltage | 2 kV _{eff} |
| Pollution severity | 2 | Rated voltage | 300 V AC _{rms} |
| 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 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 |

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Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002653 | ETIM 7.0 | EC002653 |
| ETIM 8.0 | EC002653 | ETIM 9.0 | EC002653 |
| ECLASS 9.0 | 27-21-01-20 | ECLASS 9.1 | 27-21-01-20 |
| ECLASS 10.0 | 27-21-01-20 | ECLASS 11.0 | 27-21-01-20 |
| ECLASS 12.0 | 27-21-01-20 | ECLASS 13.0 | 27-21-01-20 |

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 | Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| User Documentation | Instruction sheet |
| Catalogues | Catalogues in PDF-format |

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Drawings

