

**EPAK-VMR-3PH-480-ILP****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="#">7760054301</a> |
| Type       | EPAK-VMR-3PH-480-ILP       |
| GTIN (EAN) | 6944169747700              |
| Qty.       | 1 pc(s).                   |

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## Technical data

## Dimensions and weights

|                |            |                 |            |
|----------------|------------|-----------------|------------|
| Length         | 100 mm     | Length (inches) | 3.937 inch |
| Net weight     | 80 g       | Width           | 17.5 mm    |
| Width (inches) | 0.689 inch |                 |            |

## Temperatures

|                                   |                        |                       |                |
|-----------------------------------|------------------------|-----------------------|----------------|
| Storage temperature               | -40 °C...85 °C         | Operating temperature | -20 °C...60 °C |
| Humidity at operating temperature | 0...85 % rel. humidity |                       |                |

## Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

## Input

|                  |                              |                         |                |
|------------------|------------------------------|-------------------------|----------------|
| Input frequency  | 40...60 Hz                   | Input measurement range | 165...550 V AC |
| Number of inputs | 1 x three-phase (R, S, T, N) |                         |                |

## Output (digital)

|                            |                                                                                                                                 |                            |       |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------|
| Alarm function             | Phase error, Phase sequence, Asymmetry, Window alarm: -15% for min. value (fixed), 10% for max. value (fixed), Hysteresis: 10 V | Max. switching voltage, AC | 250 V |
| Max. switching voltage, DC | 30 V                                                                                                                            | Rated switching current    | 3 A   |
| Type                       | Relay, 1 CO contact                                                                                                             |                            |       |

## General data

|                         |                                |                    |                     |
|-------------------------|--------------------------------|--------------------|---------------------|
| Accuracy                | 5 % of FSR                     | Configuration      | none                |
| Galvanic isolation      | between input/output           | Step response time | ≤ 200 ms (10...90%) |
| Temperature coefficient | ≤ 250 ppm/K of measuring range | Type of connection | Screw connection    |
| Voltage supply          | from the measuring circuit     |                    |                     |

## Insulation coordination

|                           |                              |                    |                        |
|---------------------------|------------------------------|--------------------|------------------------|
| EMC standards             | IEC 61000-6-2, IEC 61000-6-4 | Galvanic isolation | between input/output   |
| 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                  |
| Surge voltage category    | II                           |                    |                        |

## 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            |

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|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002654    | ETIM 7.0    | 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 |

**Approvals**

Approvals



ROHS

Conform

**Downloads**Approval/Certificate/Document of  
Conformity[Declaration of Conformity](#)

Engineering Data

[STEP](#)

User Documentation

[Instruction sheet](#)

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## Drawings

