



Level control  
relay for  
emptying  
function. Dual  
voltage. Plug-in  
version  
LV2E  
Emptying

Product designation

Product type designation

Function

#### Auxiliary supply

|                         |                                   |       |
|-------------------------|-----------------------------------|-------|
| Supply voltage Type     | Dual voltage                      |       |
| Rated voltage Us        | 110...<br>120VAC/220...<br>240VAC |       |
| Operating voltage range | 0.85...1.1 Us                     |       |
| Rated frequency         | Hz                                | 50/60 |
| Power consumption Max   | VA                                | 5.5   |
| Power dissipation Max   | W                                 | 2.8   |

#### Output characteristics

|                                  |                                                                                          |             |
|----------------------------------|------------------------------------------------------------------------------------------|-------------|
| Number of connectable electrodes | Nr.                                                                                      | 3           |
| Type of electrode                | Electrode and<br>electrode<br>holders: SN1 /<br>SCM / CGL /<br>PS31 / PS3S or<br>similar |             |
| Electrode voltage                | 9VAC (voltage<br>between probes)                                                         |             |
| Sensitivity                      | kΩ                                                                                       | 7...8 fixed |

#### Time delay

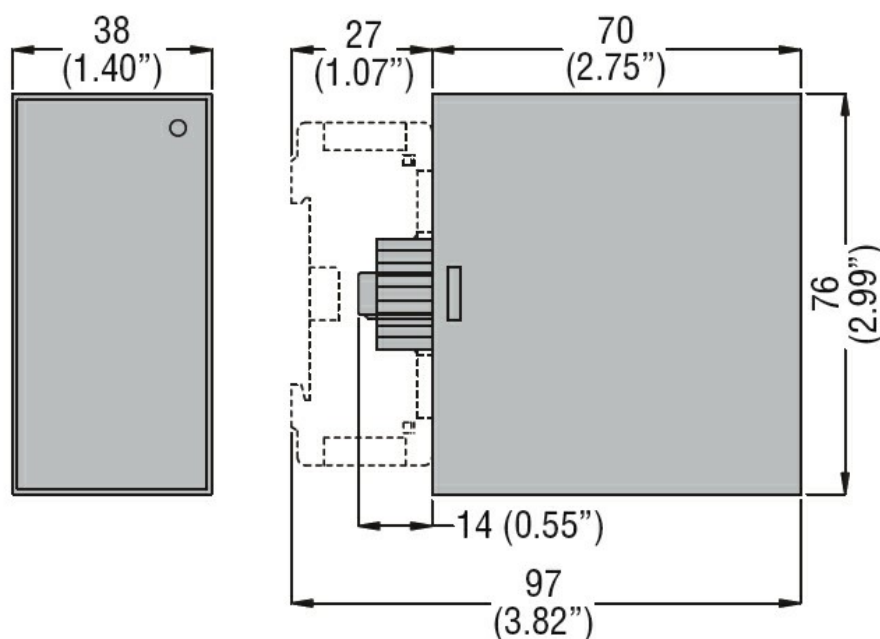
|                |   |       |
|----------------|---|-------|
| Tripping time  | s | ≤0.05 |
| Resetting time | s | ≤0.1  |

#### Relay outputs

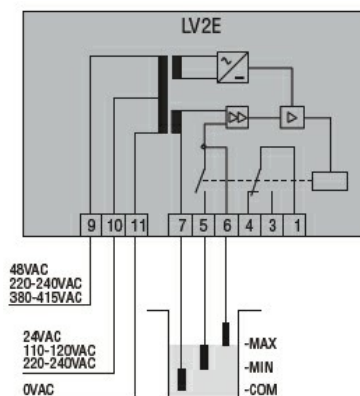
|                                               |                                                        |                       |
|-----------------------------------------------|--------------------------------------------------------|-----------------------|
| Number of relays                              | Nr.                                                    | 1                     |
| Relay state                                   | Normally de-<br>energised,<br>energises at<br>tripping |                       |
| Contact arrangement                           | 1 changeover<br>contact C/O-<br>SPDT                   |                       |
| Rated operational voltage AC (IEC)            | VAC                                                    | 220                   |
| Maximum switching voltage                     | VAC                                                    | 380                   |
| IEC Conventional free air thermal current Ith | A                                                      | 5                     |
| UL/CSA and IEC/EN 60947-5-1 designation       | B300                                                   |                       |
| Electrical life (with rated load)             | cycles                                                 | 2.5 x 10 <sup>5</sup> |
| Mechanical life                               | cycles                                                 | 50x10 <sup>6</sup>    |

#### Indications

|                                       |  |  |                                                        |              |     |
|---------------------------------------|--|--|--------------------------------------------------------|--------------|-----|
| Indication                            |  |  | 1 red LED for relay state                              |              |     |
| Connections                           |  |  |                                                        |              |     |
| Terminals type                        |  |  | plug-in                                                |              |     |
| Insulations                           |  |  |                                                        |              |     |
| Rated insulation voltage Ui           |  |  | V                                                      | 415          |     |
| Rated impulse withstand voltage Uimp  |  |  | kV                                                     | 5            |     |
| Operating frequency withstand voltage |  |  | kV                                                     | 2            |     |
| Ambient conditions                    |  |  |                                                        |              |     |
| Temperature                           |  |  |                                                        |              |     |
| Operating temperature                 |  |  | min                                                    | °C           | -20 |
|                                       |  |  | max                                                    | °C           | +60 |
| Storage temperature                   |  |  | min                                                    | °C           | -30 |
|                                       |  |  | max                                                    | °C           | +80 |
| Housing                               |  |  |                                                        |              |     |
| Execution                             |  |  | 11-pin plug-in housing (socket S11)                    |              |     |
| Material                              |  |  | Self-extinguishing polycarbonate                       |              |     |
| Mounting                              |  |  | 35mm DIN rail (IEC/EN 60715) or 11-pin plug-in housing |              |     |
| IEC degree of protection              |  |  | IP30                                                   |              |     |
| Dimensions (W x H x D)                |  |  | mm                                                     | 38 x 76 x 70 |     |
| Weight                                |  |  | g                                                      | 266          |     |
| Dimensions                            |  |  |                                                        |              |     |



## Wiring diagrams



## Certifications and compliance

### Compliance

IEC/EN 60255-5

### Certificates

EAC

## ETIM classification

ETIM 8.0

EC001447 - (Fill)  
level monitoring  
relay