



Level control relay for emptying function. Single voltage. Plug-in version
LV1E
Emptying

Product designation

Product type designation

Function

Auxiliary supply

Supply voltage Type

Single voltage

Rated auxiliary supply voltage U_s
AC

| | | |
|-----|-----|-----|
| min | VAC | 380 |
| Max | VAC | 415 |

Operating voltage range

0.85...1.1 U_s

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 electrode holders: SN1 / SCM / CGL / PS31 / PS3S or similar

Electrode voltage

9VAC (voltage between probes)

Sensitivity

k Ω 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-energised, energises at tripping

Contact arrangement

1 changeover contact C/O-SPDT

Rated operational voltage AC (IEC)

VAC 220

Maximum switching voltage

VAC 380

IEC Conventional free air thermal current I_{th}

A 5

UL/CSA and IEC/EN 60947-5-1 designation

B300

Electrical life (with rated load)

cycles 2.5×10^5

Mechanical life

cycles 50×10^6

Indications

| | |
|------------|---------------------------|
| Indication | 1 red LED for relay state |
|------------|---------------------------|

Connections

| | |
|----------------|---------|
| Terminals type | plug-in |
|----------------|---------|

Insulations

| | | |
|---|----|-----|
| Rated insulation voltage U_i | V | 415 |
| Rated impulse withstand voltage U_{imp} | kV | 5 |
| Operating frequency withstand voltage | kV | 2 |

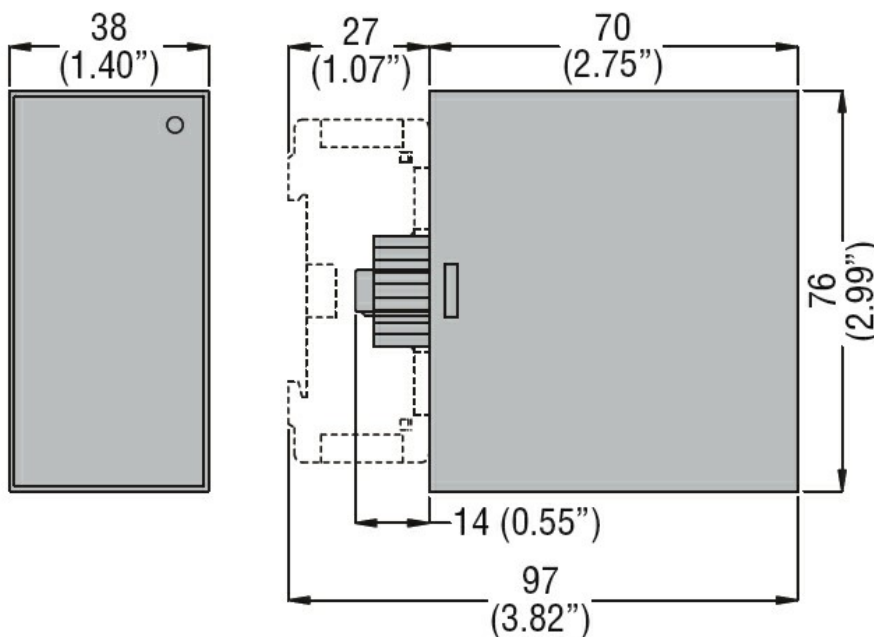
Ambient conditions

| | | | | |
|-------------|-----------------------|-----|----|-----|
| Temperature | Operating temperature | min | °C | -20 |
| | | max | °C | +60 |
| | Storage temperature | min | °C | -30 |
| | | max | °C | +80 |

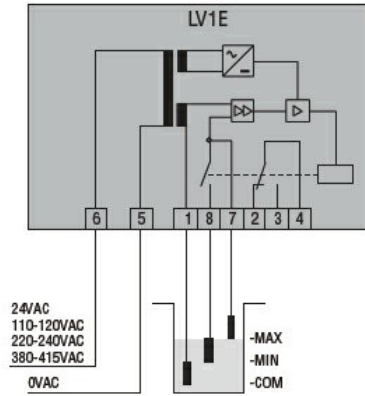
Housing

| | |
|--------------------------|---|
| Execution | 8-pin plug-in housing (socket S8) |
| Material | Self-extinguishing polycarbonate |
| Mounting | 35mm DIN rail (IEC/EN 60715) or 8-pin plug-in housing |
| IEC degree of protection | IP30 |
| Dimensions (W x H x D) | mm 38 x 76 x 70 |
| Weight | g 263 |

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 60255-5

Certificates

EAC

ETIM classification

ETIM 8.0

EC001447 - (Fill)
level monitoring
relay