



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 $\Omega$  7...8 fixed

#### Time delay

Tripping time s  $\leq 0.05$

Resetting time s  $\leq 0.1$

#### 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  $2.5 \times 10^5$

Mechanical life cycles  $50 \times 10^6$

## 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

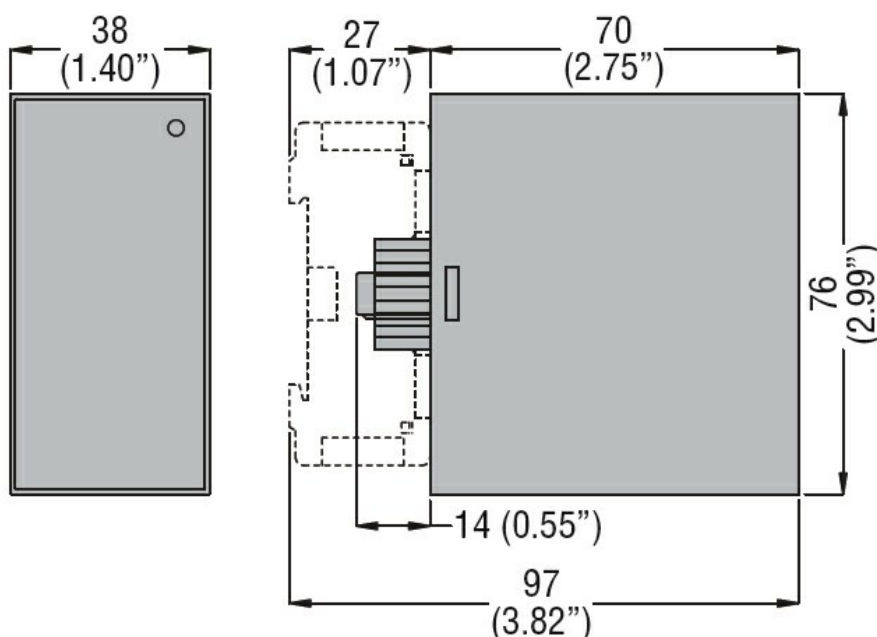
## Ambient conditions

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

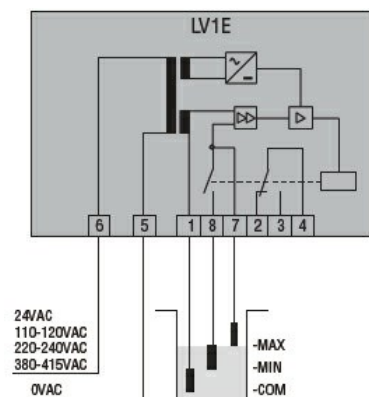
## Housing

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