



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 24

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

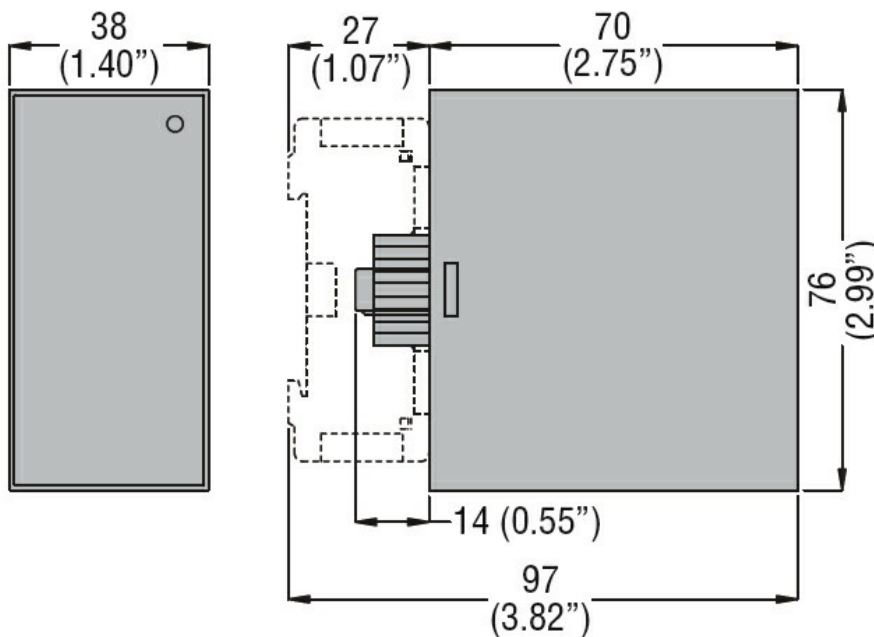
UL/CSA and IEC/EN 60947-5-1 designation B300

Electrical life (with rated load) cycles  $2.5 \times 10^5$

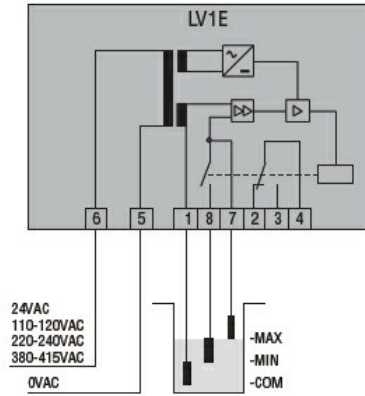
Mechanical life cycles  $50 \times 10^6$

**Indications**

Indication	1 red LED for relay state		
<b>Connections</b>			
Terminals type	plug-in		
<b>Insulations</b>			
Rated insulation voltage $U_i$	V	415	
Rated impulse withstand voltage $U_{imp}$	kV	5	
Operating frequency withstand voltage	kV	2	
<b>Ambient conditions</b>			
Temperature			
Operating temperature		min	°C -20
		max	°C +60
Storage temperature		min	°C -30
		max	°C +80
<b>Housing</b>			
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	
<b>Dimensions</b>			



**Wiring diagrams**



### Certifications and compliance

#### Compliance

IEC/EN 60255-5

#### Certificates

EAC

### ETIM classification

ETIM 8.0

EC001447 - (Fill)  
level monitoring  
relay