



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 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

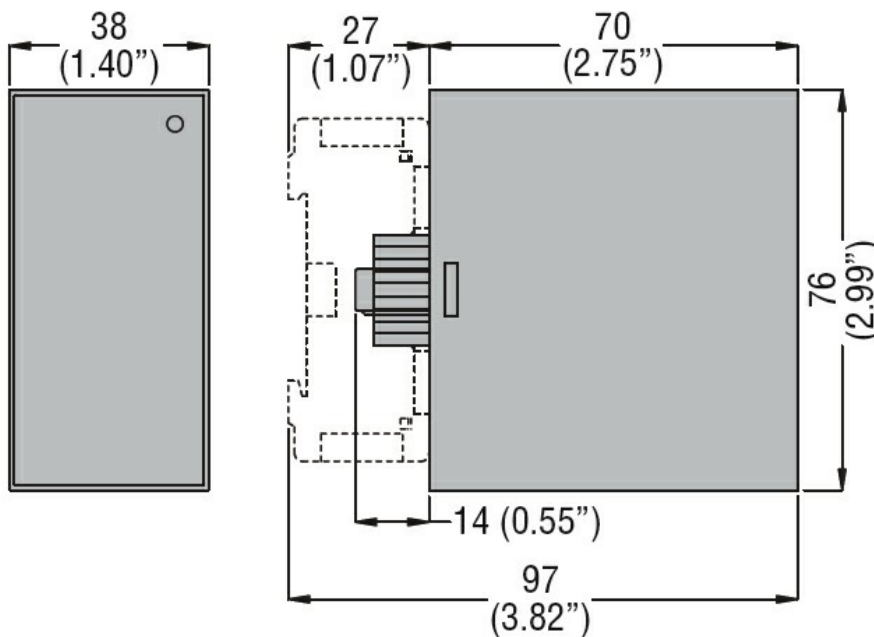
UL/CSA and IEC/EN 60947-5-1 designation B300

Electrical life (with rated load) cycles 2.5×10^5

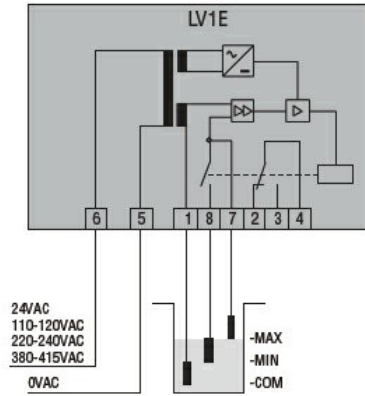
Mechanical life cycles 50×10^6

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