



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

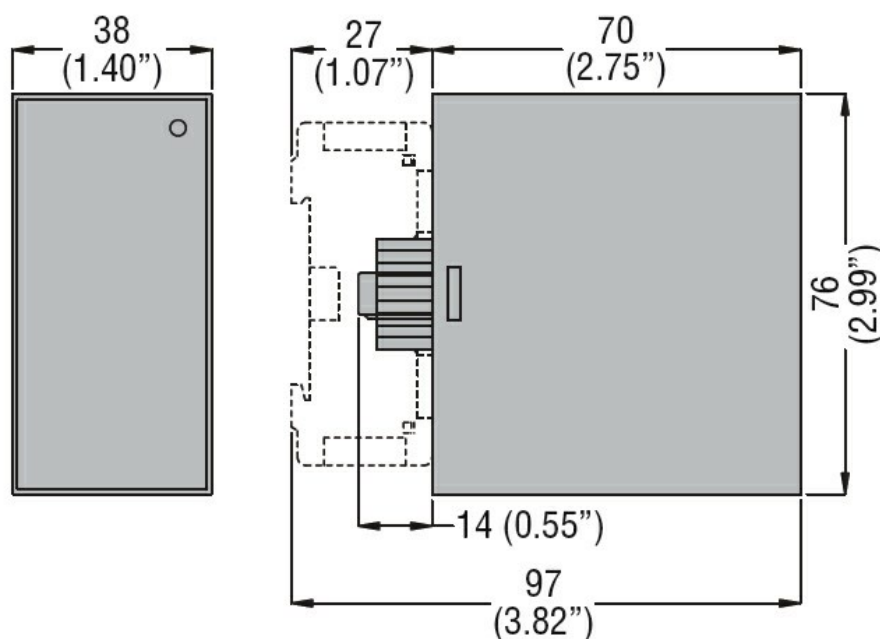
Tripping time	s	≤ 0.05
Resetting time	s	≤ 0.1

Relay outputs

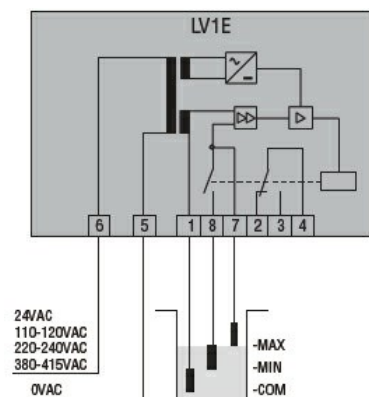
Number of relays	Nr.	1
Relay state	Normally de-energised, energises at tripping	
Contact arrangement	1 changeover contact C/O-SPDT	
Rated operational voltage AC (IEC)	VAC	220
Maximum switching voltage	VAC	380
IEC Conventional free air thermal current I_{th}	A	5
UL/CSA and IEC/EN 60947-5-1 designation	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 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			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