31LV1E110

LEVEL MONITORING RELAY, PLUG-IN VERSION, SINGLE-VOLTAGE. AUTOMATIC RESETTING, 24VAC

Product designation			Level control relay for emptying function. Single voltage. Plug-in version
Product type designation			LV1E
Function			Emptying
Auxiliary supply			
Supply voltage Type			Single voltage
Rated auxiliary supply voltage Us AC			
	min	VAC	110
	Max	VAC	120
Operating voltage range			0.85...1.1 Us
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		kΩ	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 Ith		A	5
UL/CSA and IEC/EN 60947-5-1 designation			B300
Electrical life (with rated load)		cycles	2.5 x 10^5
Mechanical life		cycles	50x10^6

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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

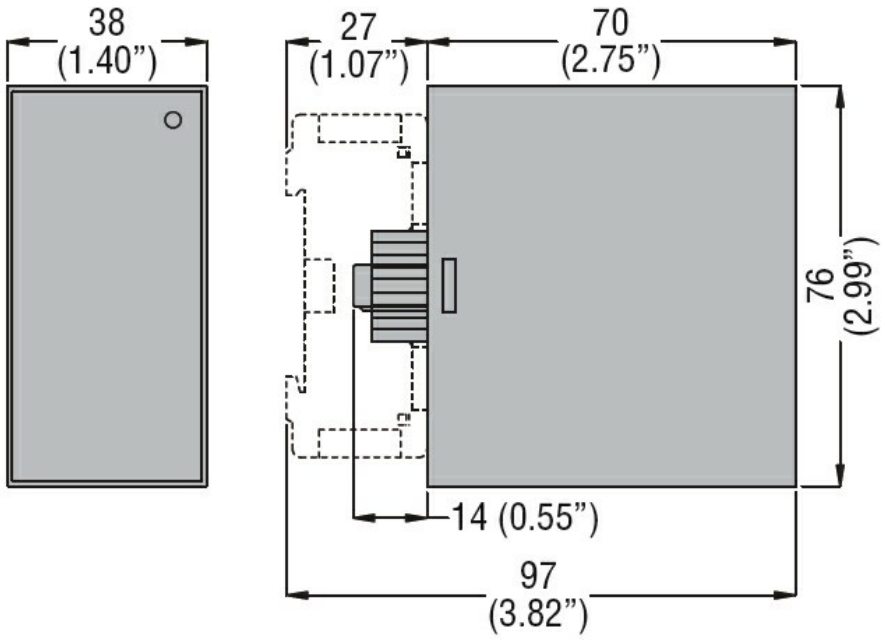
Ambient conditions

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

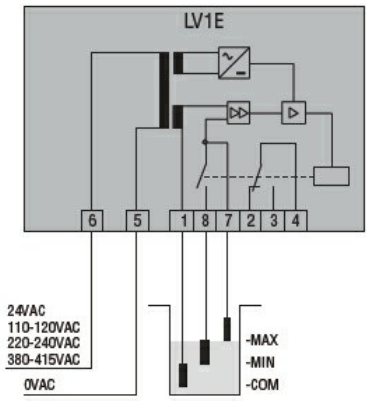
Housing

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