31LV2E220

LEVEL MONITORING RELAY, PLUG-IN VERSION, DUAL-VOLTAGE. AUTOMATIC RESETTING, 110...120VAC/220...240VAC

Product designation		Level control relay for emptying function. Dual voltage. Plug-in version
Product type designation		LV2E
Function		Emptying
Auxiliary supply		
Supply voltage Type		Dual voltage
Rated voltage Us		110… 120VAC/220… 240VAC
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	2.5×10^5
Mechanical life	cycles	50×10^6
Indications		

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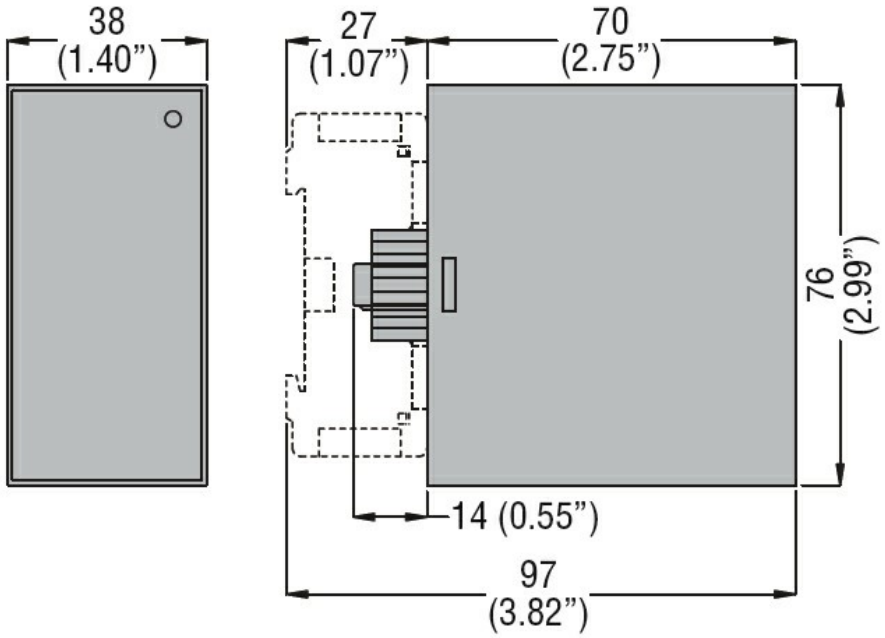
Indication				1 red LED for relay state
Connections				
Terminals type				plug-in
Insulations				
Rated insulation voltage Ui			V	415
Rated impulse withstand voltage Uimp			kV	5
Operating frequency withstand voltage			kV	2
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-20
		max	°C	+60
	Storage temperature			
		min	°C	-30
		max	°C	+80
Housing				
Execution				11-pin plug-in housing (socket S11)
Material				Self-extinguishing polycarbonate
Mounting				35mm DIN rail (IEC/EN 60715) or 11-pin plug-in housing
IEC degree of protection				IP30
Dimensions (W x H x D)			mm	38 x 76 x 70
Weight			g	266

Dimensions



Wiring diagrams

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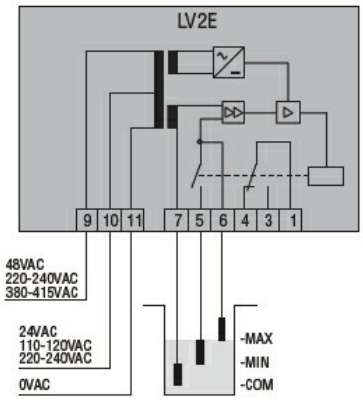

Certifications and compliance

Compliance

IEC/EN 60255-5

Certificates

EAC

ETIM classification

ETIM 8.0

EC001447 - (Fill) level monitoring relay