



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	220
Max	VAC	240

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<sub>th</sub> 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
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**Connections**

Terminals type	plug-in
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**Insulations**

Rated insulation voltage $U_i$	V	415
Rated impulse withstand voltage $U_{imp}$	kV	5
Operating frequency withstand voltage	kV	2

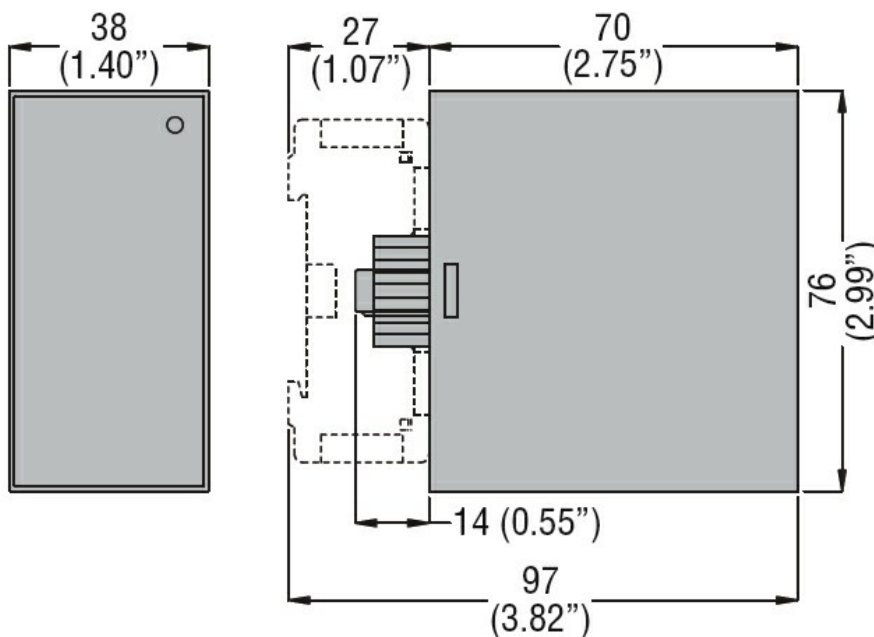
**Ambient conditions**

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

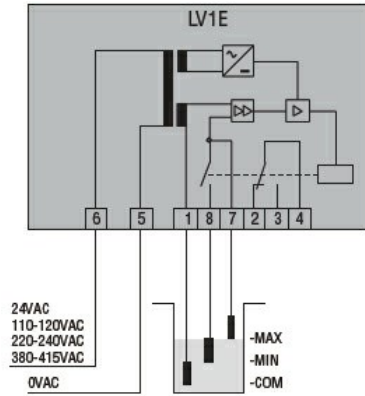
**Housing**

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