



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 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

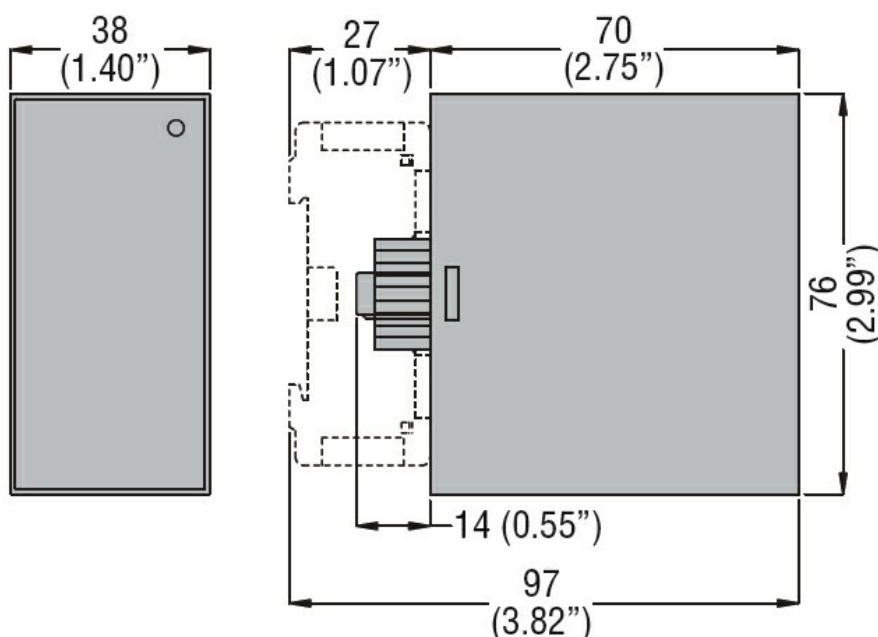
Ambient conditions

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

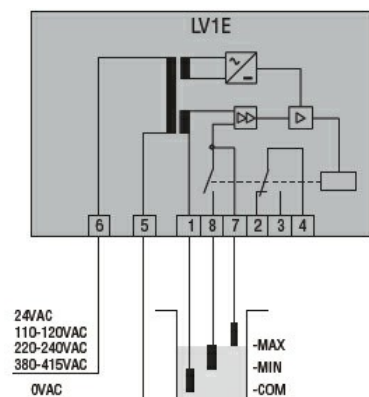
Housing

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