



Level control
relay for
emptying
function. Dual
voltage. Plug-in
version
LV2E
Emptying

Product designation

Product type designation

Function

Auxiliary supply

Supply voltage Type		Dual voltage
Rated voltage U_s		24/48VAC
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
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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

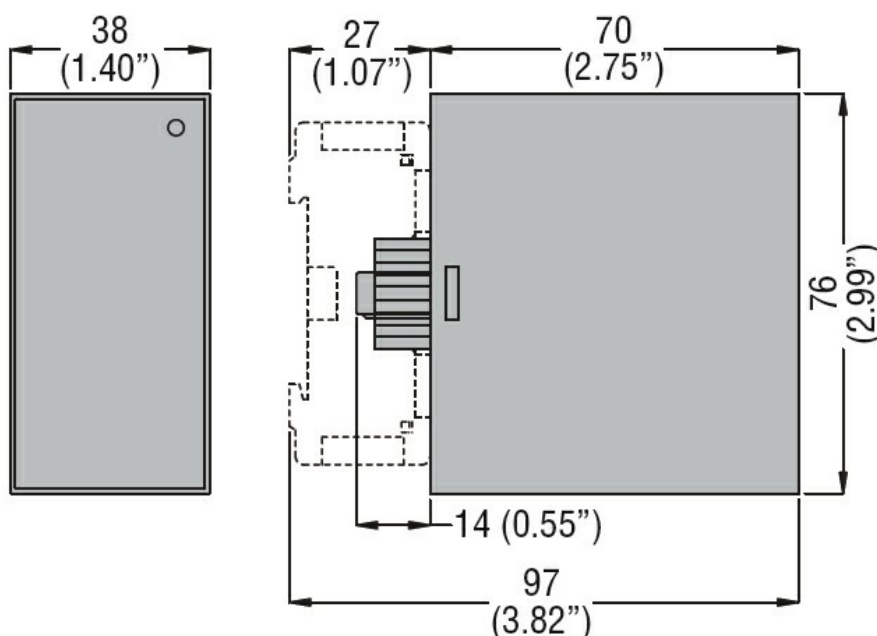
Storage temperature

min	°C	-30
max	°C	+80

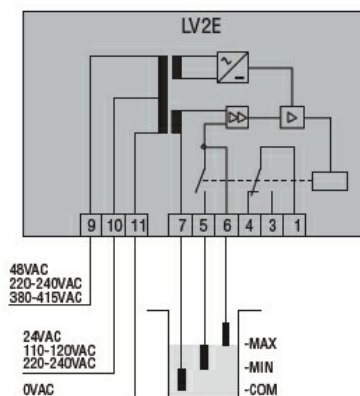
Housing

Execution	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



Certifications and compliance

Compliance

IEC/EN 60255-5

Certificates

EAC

ETIM classification

ETIM 8.0

EC001447 - (Fill)
level monitoring
relay