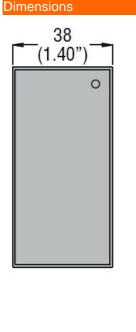
## LEVEL MONITORING RELAY, PLUG-IN VERSION, DUAL-VOLTAGE. AUTOMATIC RESETTING, 220...240VAC/380...415VAC

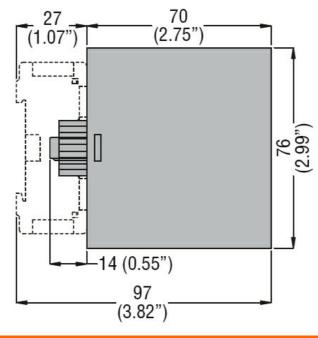
Level control relay for emptying function. Dual voltage. Plugring function. Dual voltage. Plugring function fusing. Plugring function fusing. Plugring function fusing. Plugring version version   Product type designation   LVZE   Emptying			And order to sell or extends to sell
Supply voltage Type   220 Rated voltage Us   240VAC/380 Rated voltage Us   240VAC/380   240VAC/380	Product type designation Function		relay for emptying function. Dual voltage. Plug-in version LV2E
Rated voltage Us			Dual voltage
Rated frequency         Hz         50/60           Power consumption Max         VA         5.5           Power dissipation Max         W         2.8           Output characteristics         Strong of connectable electrodes         Nr.         3           Incompany of connectable electrodes         Incompany of connectable electrode and electrode and electrode holders: SN1 / SCM / CGL / PS31 / PS3S or similar         SCM / CGL / PS31 / PS3S or similar           Electrode voltage         9VAC (voltage between probes)         PS31 / PS3S or similar           Sensitivity         kΩ         78 fixed           Time delay         Tripping time         \$ ≤0.05           Resetting time         \$ ≤0.1           Resetting time         \$ ≤0.1           Relay outputs         Nr.         1           Number of relays         Nr.         1           Number of relays         Nr.         1           Normally denergises at tripping         1         1 changeover contact C/O-SPDT           Contact arrangement         20         Name of the contact C/O-SPDT           Rated operational voltage AC (IEC)         VAC         220           Maximum switching voltage         VAC         380           IEC Conventional free air thermal current lth         A         5 <td></td> <td></td> <td>220 240VAC/380</td>			220 240VAC/380
Power consumption Max         VA         5.5           Power dissipation Max         W         2.8           Output characteristics         Nr.         3           Number of connectable electrodes         Nr.         3           Electrode and electrode holders: SN1 / SCM / CGL / PS31 / PS3S or similar         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         Nr.         1           Number of relays         Nr.         1           Relay state         Normally deenergised, energises at tripping         1 changeover contact C/O-SPDT           Contact arrangement         220         Naximum switching voltage         VAC         380           IEC Conventional free air thermal current lith         A 5         5         UL/CSA and IEC/EN 60947-5-1 designation         B300           Electrical life (with rated load)         cycles         2.5 x 10°           Mechanical life         cycles         50x10°	Operating voltage range		0.851.1 Us
Power dissipation Max         W         2.8           Output characteristics         Nr.         3           Number of connectable electrodes         Nr.         3           Electrode and electrode holders: SN1 / SCM / CGL / PS31 / PS33 or similar           Type of electrode         9VAC (Voltage between probes)           Sensitivity         kΩ 78 fixed           Time delay         Tripping time         s ≤0.05           Resetting time         s ≤0.05           Relay outputs         Nr.         1           Number of relays         Nr.         1           Relay state         Normally deenergised, energised, energised, energised at tripping         1 changeover contact C/O-SPDT           Contact arrangement         1 changeover contact C/O-SPDT         SPDT           Rated operational voltage AC (IEC)         VAC         220           Maximum switching voltage         VAC         380           IEC Conventional free air thermal current lth         A         5           UL/CSA and IEC/EN 60947-5-1 designation         B300         Electrical life (with rated load)         cycles         2.5 x 10 <sup>s</sup> Mechanical life         cycles         50x10 <sup>s</sup>	Rated frequency		
Output characteristics         Nr.         3           Rumber of connectable electrodes         Relectrode and electrode and electrode holders: SN1 / SCM / CGL / PS31 / PS35 or similar           Type of electrode         9VAC (Voltage between probes)           Electrode voltage         9VAC (voltage between probes)           Sensitivity         kΩ 78 fixed           Tripping time           Resetting time         \$ ≤0.05           Resetting time         \$ ≤0.1           Relay outputs         Nr. 1           Number of relays         Nr. 1           Relay state         Normally deenergised, 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 lth         A 5           UL/CSA and IEC/EN 60947-5-1 designation         B300           Electrical life (with rated load)         cycles 2.5 x 10 <sup>s</sup> Mechanical life         cycles 50x10 <sup>s</sup>			
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 78 fixed           Time delay           Tripping time         s ≤0.05           Resetting time         s ≤0.1           Relay outputs         Nr. 1           Number of relays         Nr. 1           Relay state         Normally deenergised, energised, energised, energised, energises at tripping           Contact arrangement         contact C/O-SPDT           Rated operational voltage AC (IEC)         VAC 220           Maximum switching voltage         VAC 380           IEC Conventional free air thermal current lth         A 5           UL/CSA and IEC/EN 60947-5-1 designation         B300           Electrical life (with rated load)         cycles 2.5 x 10°           Mechanical life         cycles 50x10°	·	W	2.8
Type of electrode       Electrode and electrode holders: SN1 / SCM / CGL / PS31 / PS3S or similar         Electrode voltage       9VAC (voltage between probes)         Sensitivity       kΩ 78 fixed         Tripping time         Resetting time       \$ ≤0.05         Resetting time         Relay outputs         Number of relays       Nr. 1         Relay state       Normally deenergised, energised, energised, energises at tripping         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°         Mechanical life       cycles 50x10°	•		
Type of electrodeelectrode holders: SN1 / SCM / CGL / PS31 / PS38 or similarElectrode voltage9VAC (voltage between probes)SensitivitykΩ 78 fixedTime delayTripping time\$ ≤0.05Resetting time\$ ≤0.1Relay outputsNr. 1Number of relaysNr. 1Relay stateNormally deenergised, energised, energises at trippingContact arrangement1 changeover contact C/O-SPDTRated operational voltage AC (IEC)VAC 220Maximum switching voltageVAC 380IEC Conventional free air thermal current lthA 5UL/CSA and IEC/EN 60947-5-1 designationB300Electrical life (with rated load)cycles2.5 x 10sMechanical lifecycles50x10s	Number of connectable electrodes	Nr.	
Sensitivity         kΩ         78 fixed           Time delay         Tripping time         s         ≤0.05           Resetting time         s         ≤0.1           Relay outputs         Nr.         1           Number of relays         Nr.         1           Relay state         Normally deenergised, energises at tripping         1 changeover contact C/O-SPDT           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 lth         A         5           UL/CSA and IEC/EN 60947-5-1 designation         B300           Electrical life (with rated load)         cycles         2.5 x 10 <sup>5</sup> Mechanical life         cycles         50x10 <sup>6</sup>			electrode holders: SN1 / SCM / CGL / PS31 / PS3S or similar 9VAC (voltage
Time delay           Tripping time         s         ≤0.05           Resetting time         s         ≤0.1           Relay outputs         Number of relays         Nr.         1           Relay state         Normally deenergised, 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 lth         A         5           UL/CSA and IEC/EN 60947-5-1 designation         B300           Electrical life (with rated load)         cycles         2.5 x 10 <sup>5</sup> Mechanical life         cycles         50x10 <sup>6</sup>	-		
Tripping time         s         ≤0.05           Resetting time         s         ≤0.1           Relay outputs         Number of relays           Number of relays         Nr.         1           Relay state         Normally deenergised, 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 <sup>s</sup> Mechanical life         cycles         50x10 <sup>s</sup>	·	kΩ	78 fixed
Resetting time         s         ≤0.1           Relay outputs         Nr.         1           Number of relays         Nr.         1           Relay state         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 lth         A         5           UL/CSA and IEC/EN 60947-5-1 designation         B300           Electrical life (with rated load)         cycles         2.5 x 10 <sup>5</sup> Mechanical life         cycles         50x10 <sup>6</sup>	·		
Relay outputsNumber of relaysNr.1Relay stateNormally deenergised, energised, energises at trippingContact arrangement1 changeover contact C/O-SPDTRated operational voltage AC (IEC)VAC220Maximum switching voltageVAC380IEC Conventional free air thermal current IthA5UL/CSA and IEC/EN 60947-5-1 designationB300Electrical life (with rated load)cycles2.5 x 10sMechanical lifecycles50x10s			
Number of relaysNr.1Relay stateNormally deenergised, energised, energises at trippingContact arrangement1 changeover contact C/O-SPDTRated operational voltage AC (IEC)VAC220Maximum switching voltageVAC380IEC Conventional free air thermal current lthA5UL/CSA and IEC/EN 60947-5-1 designationB300Electrical life (with rated load)cycles2.5 x 105Mechanical lifecycles50x106		S	≤0.1
Relay state  Relay state  Relay state  Normally deenergised, energises at tripping  1 changeover  Contact arrangement  Rated operational voltage AC (IEC)  Maximum switching voltage  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  Electrical life (with rated load)  Mechanical life  Cycles 50x10 <sup>6</sup>		N I	4
Contact arrangementcontact C/O-SPDTRated operational voltage AC (IEC)VAC220Maximum switching voltageVAC380IEC Conventional free air thermal current IthA5UL/CSA and IEC/EN 60947-5-1 designationB300Electrical life (with rated load)cycles2.5 x 105Mechanical lifecycles50x106		INT.	Normally de- energised, energises at tripping
Maximum switching voltageVAC380IEC Conventional free air thermal current IthA5UL/CSA and IEC/EN 60947-5-1 designationB300Electrical life (with rated load)cycles2.5 x 105Mechanical lifecycles50x105	Contact arrangement		contact C/O-
IEC Conventional free air thermal current IthA5UL/CSA and IEC/EN 60947-5-1 designationB300Electrical life (with rated load)cycles2.5 x 105Mechanical lifecycles50x106	Rated operational voltage AC (IEC)	VAC	220
UL/CSA and IEC/EN 60947-5-1 designationB300Electrical life (with rated load)cycles2.5 x 10⁵Mechanical lifecycles50x10⁶		VAC	380
Electrical life (with rated load)  Mechanical life  cycles  cycles  2.5 x 10 <sup>5</sup> cycles  50x10 <sup>6</sup>	IEC Conventional free air thermal current Ith	A	5
Mechanical life cycles 50x10 <sup>6</sup>	UL/CSA and IEC/EN 60947-5-1 designation		B300
,	Electrical life (with rated load)	cycles	2.5 x 10⁵
Indications	Mechanical life	cycles	50x10 <sup>6</sup>
	Indications		

**ENERGY AND AUTOMATION** 

## LEVEL MONITORING RELAY, PLUG-IN VERSION, DUAL-VOLTAGE. AUTOMATIC RESETTING, 220...240VAC/380...415VAC

Indication				1 red LED for relay state
Connections				
Terminals type				plug-in
Insulations				
Rated insulation vo	oltage Ui		V	415
Rated impulse withstand voltage Uimp			kV	5
Operating frequence	cy withstand voltage		kV	2
Ambient conditions	3			
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 prof	tection			IP30
Dimensions (W x H	1 x D)		mm	38 x 76 x 70
Weight			g	266
Dimensions				

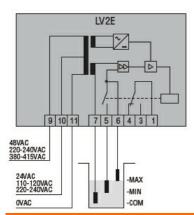




## Wiring diagrams

LEVEL MONITORING RELAY, PLUG-IN VERSION, DUAL-VOLTAGE. AUTOMATIC RESETTING, 220...240VAC/380...415VAC

**ENERGY AND AUTOMATION** 



## Certifications and compliance

Compliance

IEC/EN 60255-5

Certificates

EAC

ETIM classification

ETIM 8.0

EC001447 - (Fill) level monitoring relay