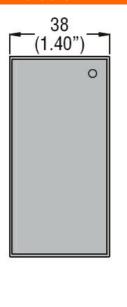


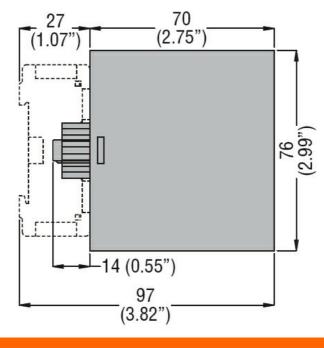
# RELAIS DE CONTRÔLE DE NIVEAU EMBROCH. FONCTION DE VIDANGE 1 CONTACT INVERSEUR, 110VAC

Product designation         Level control relay for relays for relating rel				The control of the co
Single voltage           Rated auxiliary supply voltage Us         Total colspan="2">AC           min         VAC         110           Max         VAC         120           Operating voltage range	Product type designation Function			relay for emptying function. Single voltage. Plug-in version LV1E
Rated auxiliary supply voltage Us           AC         min         VAC         110           Operating voltage range         .0851.1 Us           Rated frequency         Hz         50/60           Power consumption Max         VA         5.5           Power dissipation Max         W         2.8           Output characteristics         Nr.         3           Number of connectable electrodes         Nr.         3           Type of electrode         Electrode and electrode electrode holders: SN1 / SCM / CGL / PS31 / PS35 or similar           Electrode voltage         9VAC (voltage between probes)           Sensitivity         KQ         78 fixed           Time delay         \$         \$0.05           Tripping time         \$         \$0.05           Resetting time         \$         \$0.05           Resetting time         \$         \$0.05           Relay state         normally denergised, energised, energised, energised, energised, energised, energised, energised, energised, energises at tripping           Contact arrangement         1 changeover contact C/Co-SPDT           Contact arrangement         XAC         20           Maximum switching voltage         VAC         380           Electrical life (with rated				Single voltage
ACC         min vac				Jg.0 10110g0
Deperating voltage range         vac book of the part of	• • • • •			
Operating voltage range         0.851.1 Us           Rated frequency         Hz         50/60           Power consumption Max         W         2.8           Output characteristics         W         2.8           Number of connectable electrodes         Nr.         3           Electrode         holders: SM1 / SCM / CGL / PS31 / PS38 or similar           Electrode voltage         9VAC (voltage between probes)           Sensitivity         kΩ         78 fixed           Tripping time         s         ≤0.1           Resetting time         s         ≤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 Ith         A         5           UL/CSA and IEC/EN 60947-5-1 designation         B300         Electrical life (with rated load)		min	VAC	110
Rated frequency         Hz         50/60           Power consumption Max         VA         5.5           Power dissipation Max         W         2.8           Output characteristics         ST           Number of connectable electrodes         Nr. 3           Electrode and electrode electrode         holders: SM1 / SCM / CGL / PS31 / PS3S or similar s		Max	VAC	120
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         78 fixed           Time delay         Tripping time         s ≤0.05         ≤0.05           Resetting time         s ≤0.1         Relay outputs           Number of relays         Nr.         1         Normally deenergised, energised, energised, energised, energises at tripping           Relay state         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 Ith         A         5         UL/CSA and IEC/EN 60947-5-1 designation         B300         Electrical life (with rated load)         Cycles         2.5 x 10°s	Operating voltage range			0.851.1 Us
Power dissipation Max         W         2.8           Output characteristics         Nr.         3           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         Resetting time           Resetting time         s ≤0.1         Nr.         1           Relay state         Nr.         1         Normally deenergised, energised, energised, energises 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 Ith         A         5           UL/CSA and IEC/EN 60947-5-1 designation         B300           Electrical life (with rated load)         cycles         2.5 x 10°	Rated frequency		Hz	50/60
Output characteristics         Nr.         3           Rumber 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 78 fixed           Tripp ing time         s ≤0.05           Resetting time         s ≤0.01           Relay outputs         Nr.         1           Number of relays         Nr.         1           Relay state         energised, energised, energised, energises at tripping         1 changeover contact C/O-SPDT           Contact arrangement         contact crossport         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°	Power consumption Max		VA	5.5
Number of connectable electrodes         Nr. 3         Electrode and electrode and electrode holders: SN1 / SCM / CGL / PS31 / PS3S or similar           Type of electrode         \$CM / CGL / PS31 / PS3S or similar           Electrode voltage         9VAC (voltage between probes)           Sensitivity         KΩ 78 fixed           Tripping time           Resetting time         \$ 50.05           Resetting time         \$ 50.1           Relay outputs         Nr. 1           Number of relays         Nr. 1           Relay state         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°	Power dissipation Max		W	2.8
Electrode and electrode   holders: SN1 / SCM / CGL / PS31 / PS35 or similar	•			
Type of electrodeelectrode holders: SN1 / SCM / CGL / PS31 / PS3S or similarElectrode voltage9VAC (voltage between probes)SensitivitykΩ78 fixedTime delayTripping time\$ ≤0.05Resetting time\$ ≤0.05Resetting time\$ ≤0.1Relay outputsNr.1Relay stateNormally de- energised, energised, energises at trippingContact arrangement1 changeover contact C/O- SPDTRated operational voltage AC (IEC)VAC SPDTRated operational voltage AC (IEC)VAC SPDTMaximum switching voltageVAC 380IEC Conventional free air thermal current lth UL/CSA and IEC/EN 60947-5-1 designationB300Electrical life (with rated load)cycles2.5 x 10s²	Number of connectable electrodes		Nr.	
Sensitivity         kΩ         78 fixed           Time delay         Tripping time         s ≤0.05           Resetting time         s ≤0.1           Relay outputs         Number of relays           Relay state         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 Ith         A 5           UL/CSA and IEC/EN 60947-5-1 designation         B300           Electrical life (with rated load)         cycles 2.5 x 10⁵	Type of electrode			electrode holders: SN1 / SCM / CGL / PS31 / PS3S or
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, 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>	Electrode voltage			
Time delay         Tripping time       s       ≤0.05         Resetting time       s       ≤0.1         Relay outputs       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 10s	Sensitivity		kΩ	
Resetting time       s ≤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       B 300         Electrical life (with rated load)       cycles 2.5 x 10 <sup>5</sup>	Time delay			
Relay outputsNumber of relaysNr.1Relay stateNormally deenergised, energises at trippingContact arrangement1 changeover contact C/O-SPDTRated operational voltage AC (IEC)VAC 220Maximum switching voltageVAC 380IEC Conventional free air thermal current IthA 5UL/CSA and IEC/EN 60947-5-1 designationB300Electrical life (with rated load)cycles 2.5 x 105	Tripping time		S	≤0.05
Number of relaysNr.1Relay stateNormally deenergised, 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 10s			S	≤0.1
Relay 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 IthA 5UL/CSA and IEC/EN 60947-5-1 designationB300Electrical life (with rated load)cycles 2.5 x 10⁵				
Relay state  energised, energises at tripping  1 changeover contact C/O-SPDT  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)  cycles 2.5 x 10 <sup>5</sup>	Number of relays		Nr.	
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 105	Relay state			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 105	Contact arrangement			contact C/O-
IEC Conventional free air thermal current Ith  UL/CSA and IEC/EN 60947-5-1 designation  Electrical life (with rated load)  A 5  UL/CSA and IEC/EN 60947-5-1 designation  Cycles 2.5 x 10 <sup>5</sup>	Rated operational voltage AC (IEC)		VAC	220
UL/CSA and IEC/EN 60947-5-1 designation  Electrical life (with rated load)  B300  cycles 2.5 x 10 <sup>5</sup>			VAC	380
Electrical life (with rated load) cycles 2.5 x 10 <sup>5</sup>			A	
	UL/CSA and IEC/EN 60947-5-1 designation			B300
Mechanical life cycles 50x10 <sup>6</sup>	Electrical life (with rated load)		cycles	2.5 x 10⁵
	Mechanical life		cycles	50x10 <sup>6</sup>

# RELAIS DE CONTRÔLE DE NIVEAU EMBROCH. FONCTION DE VIDANGE 1 CONTACT INVERSEUR, 110VAC

Indications			
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
Otana na tanan anatuna	max	°C	+60
Storage temperature	min	°C	-30
	max	°C	-30 +80
Housing	шах	C	+00
1 louding			8-pin plug-in
Execution			housing (socket
			S8)
Material			Self-extinguishing
Iviaterial			polycarbonate
			35mm DIN rail
Mounting			(IEC/EN 60715)
			or 8-pin plug-in
IEC degree of protection			housing IP30
Dimensions (W x H x D)		mm	38 x 76 x 70
Weight		g	263
Dimensions		9	





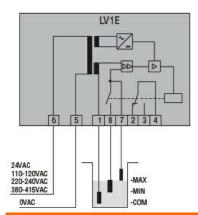
### Wiring diagrams





**ENERGY AND AUTOMATION** 

## RELAIS DE CONTRÔLE DE NIVEAU EMBROCH. FONCTION DE VIDANGE 1 CONTACT INVERSEUR, 110VAC



### Certifications and compliance

Compliance

IEC/EN 60255-5

Certificates

EAC

#### ETIM classification

ETIM 8.0

EC001447 - (Fill) level monitoring relay