



Level control  
relay for  
emptying or filling  
function. Multi  
voltage. Modular  
version  
LVM25  
Emptying or filling

Product designation

Product type designation

Function

#### Auxiliary supply

Supply voltage Type	Multi voltage	
Rated voltage $U_s$	24...240VAC/DC	
Operating voltage range	0.85...1.1 $U_s$	
Rated frequency	Hz	50/60
Power consumption Max	VA	3
Power dissipation Max	W	1.2

#### Output characteristics

Number of connectable electrodes	Nr.	3
Type of electrode	Electrode and electrode holders: SN1 / SCM / CGL / PS31 / PS3S or similar	
Electrode voltage	10 V <sub>pp</sub>	
Sensitivity	kohm	2.5...100 adjustable

#### Time delay

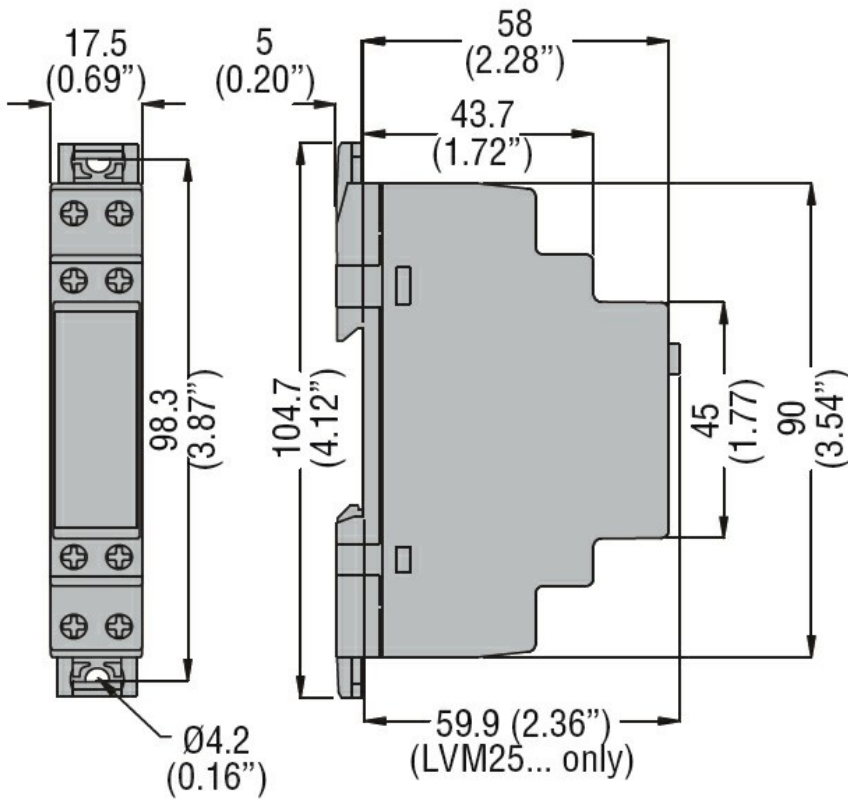
Tripping time	s	≤1
Resetting time	s	≤1

#### Relay outputs

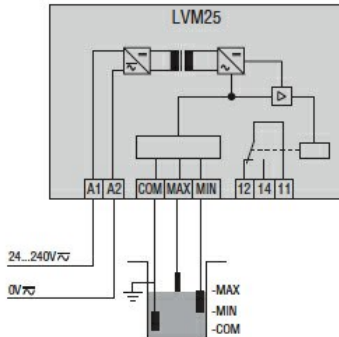
Number of relays	Nr.	1
Relay state	Normally de-energised, energises at tripping	
Contact arrangement	1 changeover contact C/O-SPDT	
Rated operational voltage AC (IEC)	VAC	250
Maximum switching voltage	VAC	400
IEC Conventional free air thermal current I <sub>th</sub>	A	8
UL/CSA and IEC/EN 60947-5-1 designation	B300	
Electrical life (with rated load)	cycles	10 <sup>5</sup>
Mechanical life	cycles	30x10 <sup>6</sup>

#### Indications

Indication				1 green LED for power on 1 red LED for relay state
<b>Connections</b>				
Terminals type				Screw
Tightening torque for terminals		max	Nm	0.8
		max	Ibin	7
Conductor cross section				
	AWG/Kcmil	min	AWG	24
		Max	AWG	12
	IEC	min	mm <sup>2</sup>	0.2
		Max	mm <sup>2</sup>	4
<b>Insulations</b>				
Rated insulation voltage Ui			V	240
Rated impulse withstand voltage Uimp			kV	4
Operating frequency withstand voltage			kV	2
Double insulation Supply / relay / electrode			VAC	≤250
<b>Ambient conditions</b>				
Temperature				
	Operating temperature	min	°C	-20
		max	°C	+60
	Storage temperature	min	°C	-30
		max	°C	+80
<b>Housing</b>				
Execution				Modular DIN rail mounting
N° of modules				1
Material				Self-extinguishing polyamide
Mounting				35mm DIN rail (IEC/EN 60715) or by screws using extractable clips
IEC degree of protection				IP40 on front / IP20 on terminals
Dimensions (W x H x D)			mm	17.5 x 104.7 x 64.9
Weight			g	95
<b>Dimensions</b>				



### Wiring diagrams



### Certifications and compliance

#### Compliance

CSA C22.2 n° 14

IEC/EN 60255-5

IEC/EN 61000-6-2

IEC/EN 61000-6-3

UL508

#### Certificates

cULus

EAC

### ETIM classification

ETIM 8.0

EC001447 - (Fill)  
level monitoring  
relay