



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 Vpp	
Sensitivity	kohm	2.5...100 adjustable

#### Time delay

Tripping time	s	≤1
Resetting time	s	≤1

#### Relay outputs

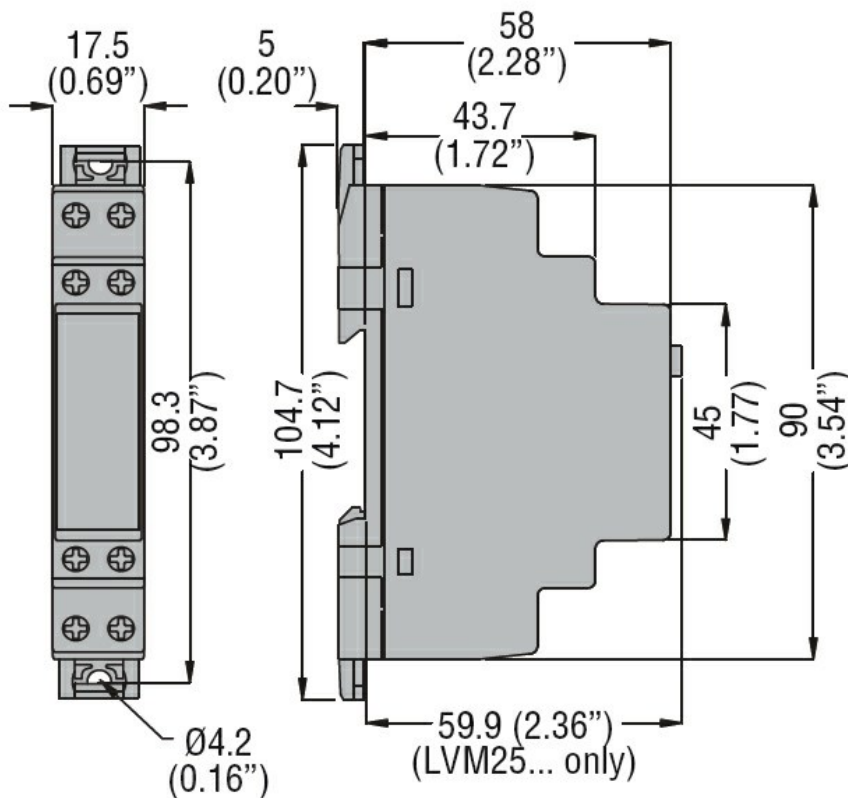
Number of relays	Nr.	1
Relay state	Normally de-energised, energises at tripping	

Contact arrangement	1 changeover contact C/O-SPDT	
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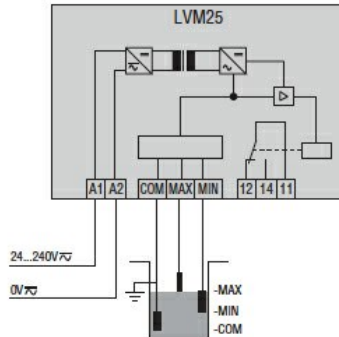
Rated operational voltage AC (IEC)	VAC	250
Maximum switching voltage	VAC	400
IEC Conventional free air thermal current $I_{th}$	A	8
UL/CSA and IEC/EN 60947-5-1 designation	B300	
Electrical life (with rated load)	cycles	$10^5$
Mechanical life	cycles	$30 \times 10^6$

#### Indications

Indication			1 green LED for power on 1 red LED for relay state		
Connections					
Terminals type			Screw		
Tightening torque for terminals			max	Nm	0.8
			max	lbin	7
Conductor cross section					
AWG/Kcmil			min	AWG	24
			Max	AWG	12
IEC					
			min	mm²	0.2
			Max	mm²	4
Insulations					
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	
Ambient conditions					
Temperature					
Operating temperature			min	°C	-20
			max	°C	+60
Storage temperature					
			min	°C	-30
			max	°C	+80
Housing					
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	
Dimensions					



## 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