



Level control relay for emptying function. Single voltage. Modular version LVM20 Emptying

Product designation

Product type designation

Function

Auxiliary supply

Supply voltage Type Single voltage

Rated auxiliary supply voltage U_s
AC

min	VAC	220
Max	VAC	240

Operating voltage range 0.85...1.1 U_s

Rated frequency Hz 50/60

Power consumption Max VA 3.5

Power dissipation Max W 1.8

Output characteristics

Number of connectable electrodes Nr. 3

Type of electrode

Electrode and electrode holders: SN1 / SCM / CGL / PS31 / PS3S or similar

Electrode voltage 7.5 VAC

Sensitivity kohm 2.5...50

Time delay

Tripping time s ≤ 0.6

Resetting time s ≤ 0.75

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_{th} A 8

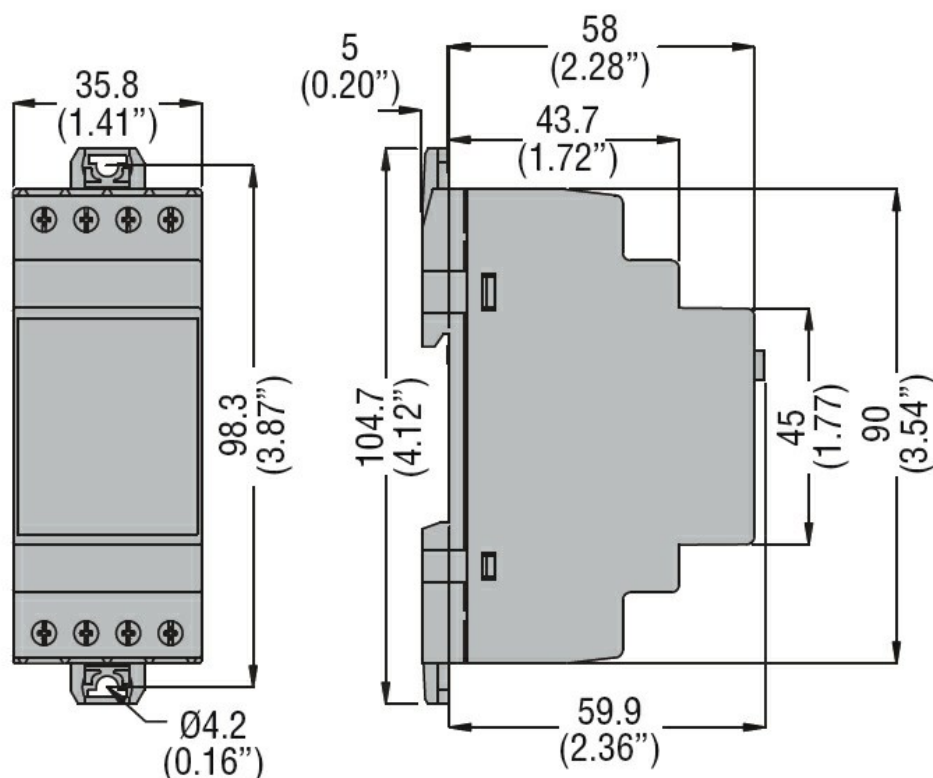
UL/CSA and IEC/EN 60947-5-1 designation B300

Electrical life (with rated load) cycles 105

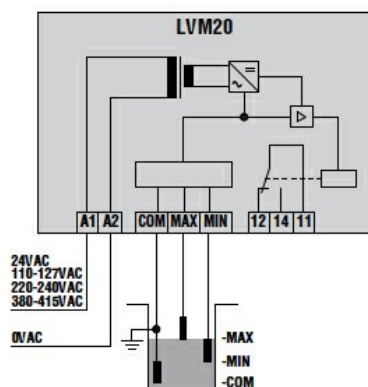
Mechanical life cycles 30x106

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	415	
Rated impulse withstand voltage Uimp			kV	6	
Operating frequency withstand voltage			kV	4	
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		
N° of modules			2		
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	35.8 x 104.7 x 64.9	
Weight			g	215	
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