



Product designation Product type designation Function			Level control relay for emptying function. Single voltage. Modular version LVM20 Emptying
Auxiliary supply			<u>Cia al a vial ta a a</u>
Supply voltage Type Rated auxiliary supply voltage Us			Single voltage
AC			
AC		/AC /AC	110 127
Operating voltage range			0.851.1 Us
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		kΩ	2.550 adjustable
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)	N	/AC	250
Maximum switching voltage	V	/AC	400
IEC Conventional free air thermal current Ith		А	8
UL/CSA and IEC/EN 60947-5-1 designation			B300
Electrical life (with rated load)		cles	10⁵
Mechanical life	Cy	cles	30x10 ⁶

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The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



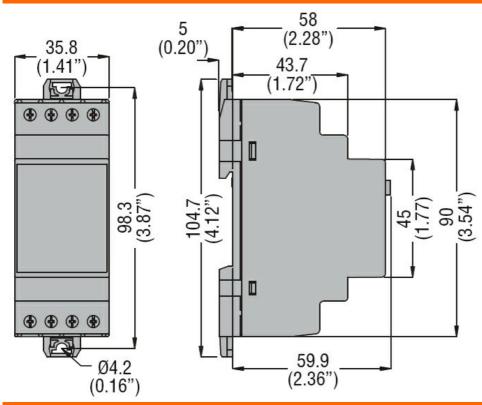
Indications

Indications			1 green LED for power on 1 red
			LED for relay state
Functions			
3 detecting electrodes (MIN, MAX and COM)			Yes
5 detecting electrodes (MIN1, MAX1, MIN2, MAX2 and COM			No
Sensitivity adjustment 2.550k Ω			Yes
Sensitivity adjustment 2.5100k Ω			No
Sensitivity adjustment 2.5200k Ω			No
Adjustable sensitivity full-scale value 25-50-100-200 k Ω			No
Separate sensitivity adjustment for MAX probe (foam detection)			No
Emptying function			Yes
Filling function			No
Emptying function with MIN and/or MAX alarm			No
Filling function with MIN and/or MAX alarm			No
Emptying function with pump priority change			No
Filling function with pump priority change			No
Tank filling, well drawing and alarm			No
Filling-emptying adjustment selector			No
Programming selector for 5 different			No
Motor start-up priority change			No
Connections			
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	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 DIN rail mounting
N° of modules			2

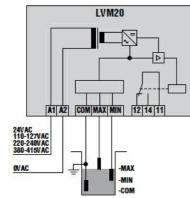


Material	Self-extinguis polyamide	shing
Mounting	35mm DIN ra (IEC/EN 607 or by screws using extracta clips	15)
IEC degree of protection	IP40 on front IP20 on term	
Dimensions (W x H x D)	mm 35.8 x 104.7 64.9	х
Weight	g 215	

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	

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	UL508	
Certificates		
	cULus	
	EAC	
ETIM classification		
ETIM 8.0		EC001447 - (Fill) level monitoring relay