



Product designation Product type designation Function		Level control relay for emptying function. Single voltage. Modular version LVM20 Emptying
Auxiliary supply		
Supply voltage Type		Single voltage
Rated auxiliary supply voltage Us		
AC		
	min VAC	220
	Max VAC	240
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)	VAC	250
Maximum switching voltage	VAC	400
IEC Conventional free air thermal current Ith	A	8
UL/CSA and IEC/EN 60947-5-1 designation		B300
Electrical life (with rated load)	cycles	10⁵
Mechanical life	cycles	
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Indications			
Indication			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 $\Omega$			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	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			NA 11 899 7
Execution			Modular DIN rail
N° of modules			mounting 2
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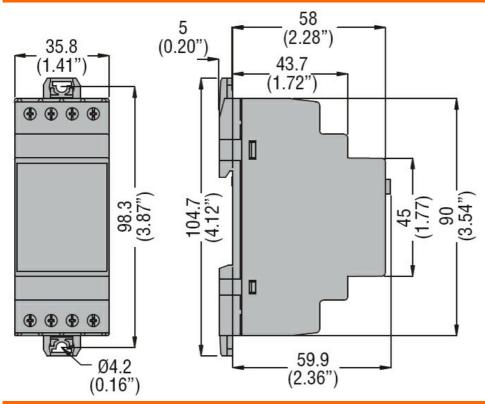
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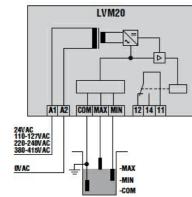
LVM20A240 RELAIS DE CONTRÔLE DE NIVEAU MODULAR, FONCTION DE VIDANGE 1 CONTACT INVERSEUR, 220-240VAC

Material		Self-extinguishing oolyamide
Mounting	( C	35mm DIN rail IEC/EN 60715) or by screws using extractable clips
IEC degree of protection		P40 on front / P20 on terminals
Dimensions (W x H x D)	mm	35.8 x 104.7 x 64.9
Weight	g 2	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	n	
ETIM 8.0		EC001447 - (Fill) level monitoring relay