LVM30A415

LEVEL MONITORING RELAY, MODULAR VERSION, DUAL-VOLTAGE. EMPTYING OR FILLING FUNCTION. AUTOMATIC RESETTING, 110...127VAC/280...415VAC



Product designation		Level control relay for emptying or filling function. Dual voltage. Modular version
Product type designation		LVM30
Function		Emptying or filling
Auxiliary supply		
Supply voltage Type		Dual voltage
Rated voltage Us		110… 127VAC/380… 415VAC
Operating voltage range		0.85...1.1 Us
Rated frequency	Hz	50/60
Power consumption Max	VA	5.5
Power dissipation Max	W	2.8
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	2.5...50 adjustable
Time delay		
Tripping time	s	1
Resetting time	s	1
Probe tripping delay		OFF…10s
Relay outputs		
Number of relays	Nr.	2
Relay state		Normally de-energised, energises at tripping
Contact arrangement		2 changeover contacts C/O-SPDT each
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	10^5
Mechanical life	cycles	$30x10^6$

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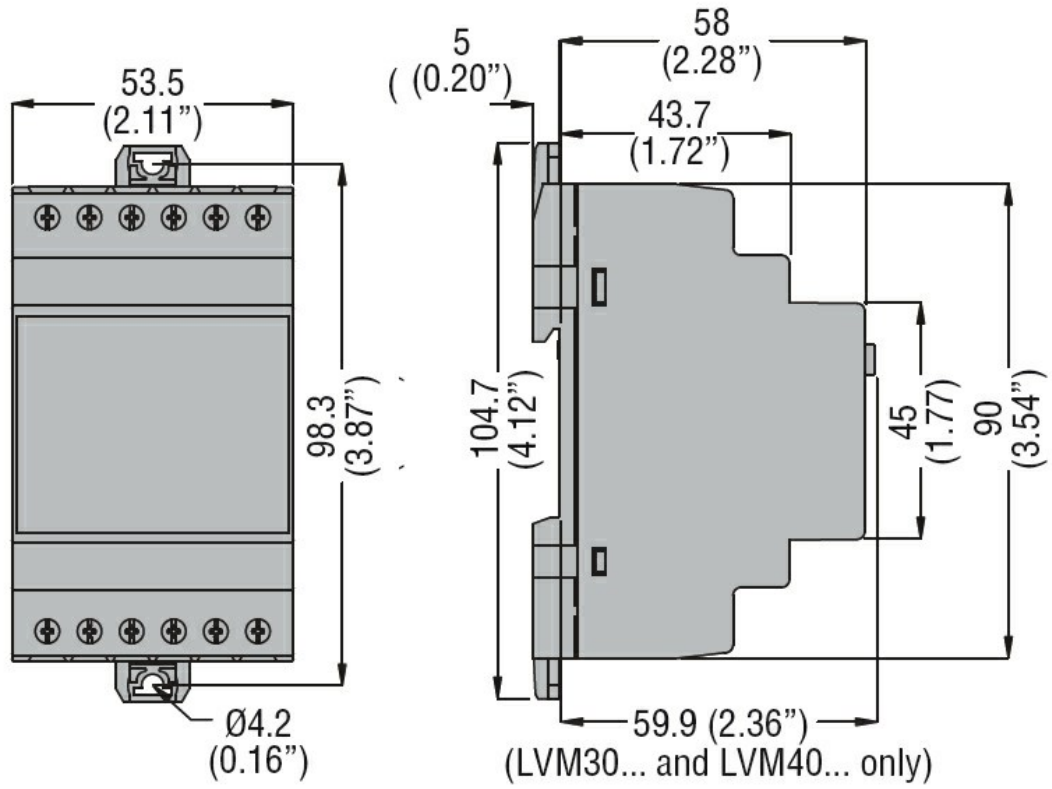
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Indications			
Indication			1 green LED for power on 1 red LED for relay state
Functions			
3 detecting electrodes (MIN, MAX and COM)			Yes
5 detecting electrodes (MIN1, MAX1, MIN2, MAX2 and COM			No
Sensitivity adjustment 2.5...50k Ω			Yes
Sensitivity adjustment 2.5...100k Ω			No
Sensitivity adjustment 2.5...200k 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			Yes
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			Yes
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			3

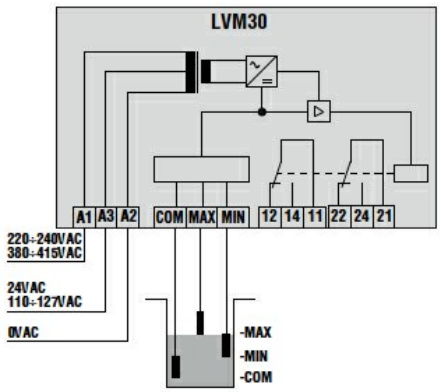
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Material		Self-extinguishing polyamide
Mounting		35mm DIN rail (IEC/EN 60715) or by screws using extractable clips
IEC degree of protection		IP40 on front / IP20 on terminals
Dimensions (W x H x D)	mm	53.5 x 104.7 x 64.9
Weight	g	315

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 14
IEC/EN 60255-5
IEC/EN 61000-6-2

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	IEC/EN 61000-6-3
	UL508
Certificates	
	cULus
	EAC

ETIM classification

ETIM 8.0	EC001447 - (Fill) level monitoring relay

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