



Product designation Product type designation Function			Level control relay multifunction. Single voltage. Modular version LVM40 Multifunction: emptying and alarms, filling and alarms, emptying with priority start-up change, filling with priority start-up change, well draining and tank filling and alarms
Auxiliary supply			
Supply voltage Type			Single voltage
Rated auxiliary supply voltage Us			
AC		\/A O	440
	min Max	VAC	110
Operating voltage range	Max	VAC	127 0.851.1 Us
Operating voltage range Rated frequency		Hz	50/60
Power consumption Max		VA	4.5
Power dissipation Max		W	2.8
Output characteristics		VV	2.0
Number of connectable electrodes		Nr.	5
Type of electrode			Electrode and electrode holders: SN1 / SCM / CGL / PS31 / PS3S or similar
Electrode voltage			10 Vpp
Sensitivity		kΩ	2.5200 adjustable
Time delay			
Tripping time		S	1
Resetting time		S	1
Probe tripping delay			110s
Relay outputs			
Number of relays		Nr.	2
Relay state			Normally de- energised, energises at tripping

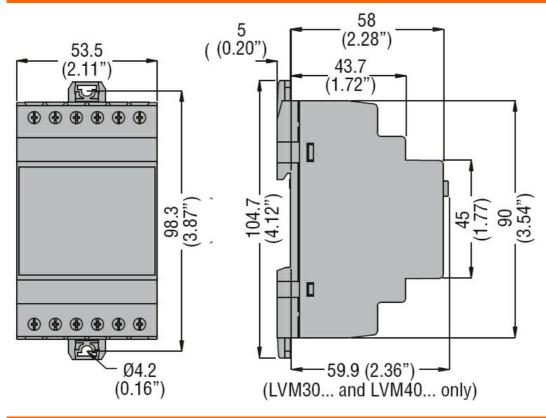


			1 changeover
			contact C/O-
Contact arrangement			SPDT + 1
			contact NO- SPST
Rated operational voltage AC (IEC)		VAC	250
Maximum switching voltage		VAC	400
IEC Conventional free air thermal current Ith		Α	8
UL/CSA and IEC/EN 60947-5-1 designation			B300
Electrical life (with rated load)		cycles	10 ⁵
Mechanical life		cycles	30x10 ⁶
Indications			
			1 green LED
			indicator for
Indication			power on 2 red
Hulcation			LEDs for relay
			state 2 red LEDs
			for probe state
Functions			
3 detecting electrodes (MIN, MAX and COM)			No
5 detecting electrodes (MIN1, MAX1, MIN2, MAX2 and COM			Yes
Sensitivity adjustment 2.550k Ω			No
Sensitivity adjustment 2.5100k Ω			No
Sensitivity adjustment 2.5200k Ω			Yes
Adjustable sensitivity full-scale value 25-50-100-200 k Ω			Yes
Separate sensitivity adjustment for MAX probe (foam detection)			Yes
Emptying function			Yes
Filling function			Yes
Emptying function with MIN and/or MAX alarm			Yes
Filling function with MIN and/or MAX alarm			Yes
Emptying function with pump priority change			Yes
Filling function with pump priority change			Yes
Tank filling, well drawing and alarm			Yes
Filling-emptying adjustment selector			No
Programming selector for 5 different			Yes
Motor start-up priority change			No
Connections			
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			_

RELAIS DE CONTRÔLE DE NIVEAU MODULAR, MULTIFONCTION 1+1NO 110-127VAC

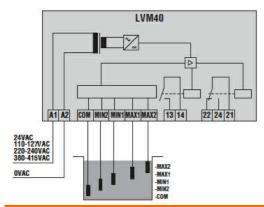
Operating	temperature
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	min	°C	-20
	max	°C	+60
Storage temperature			
	min	°C	-30
	max	°C	+80
Housing			
Execution			Modular DIN rail mounting
N° of modules			3
Material			Self-extinguishing polyamide
Mounting			35mm DIN rail (IEC/EN 60715) or by screws 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	278
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