



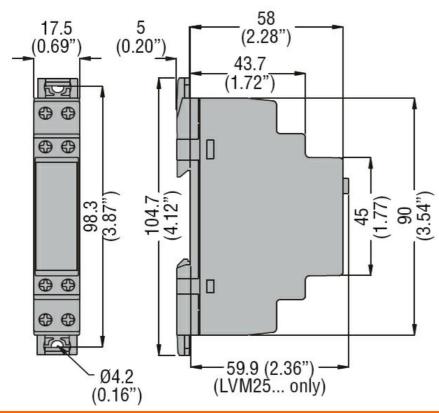
		100
Product designation Product type designation Function		Level control relay LVM25240 with 2 x SN1 electrodes kit LVM25 Emptying or filling
Auxiliary supply		
Supply voltage Type		Multi voltage
Rated voltage Us		24240VAC/DC
Operating voltage range		0.851.1 Us
Rated frequency	Hz	50/60
Power consumption Max	VA	3
Power dissipation Max	W	1.2
Output characteristics		
Number of connectable electrodes	Nr.	3
Type of electrode		Electrode and electrode holders: SN1 / SCM / CGL / PS31 / PS3S or similar
Electrode voltage		10 Vpp
Sensitivity	kΩ	2.5100 adjustable
Time delay		
Tripping time	S	≤1
Resetting time	S	≤1
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	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		
Indication		1 green LED for power on 1 red LED for relay state



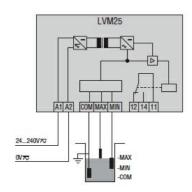
ENERGY AND AUTOMATION

htening torque for terminals max					Connections
AWG/Kcmil AWG/Kcmil AWG/Kcmil AWG/Kcmil AWG/Max AWG IEC IIIC IIIC IIIC IIII IIII IIIII IIIII IIIII IIIII IIIII IIII	Screw				Terminals type
AWG/Kcmil AWG/Kcmil AWG/Kcmil IEC IEC IIEC IIII IIII IIIII IIIII IIIIIIIIII					Tightening torque for terminals
AWG/Kcmil AWG/Kcmil AWG/Max AWG IEC IEC Imin mm² Max mm² Max mm² Ilations ed insulation voltage Ui ed impulse withstand voltage Uimp erating frequency withstand voltage Jobe insulation Supply / relay / electrode bient conditions Inperature Operating temperature Operating temperature Tini °C max °C Storage temperature Tini °C max °C Storage temperature Tini °C max °C To modules Iterial	0.8			ma	
AWG/Kcmil Min	7	n	nax Ibin	ma	
IEC IEC IEC IIII min mm² Max AWG Max Mm² IIII min mm² Max m² IIII min mm² Max m² IIII min mm² Max m² IIII min					Conductor cross section
IEC IEC min mm² Max mm² ulations eted insulation voltage Ui eted impulse withstand voltage Uimp eted insulation Supply / relay / electrode bient conditions Imperature Operating temperature Operating temperature Imin °C max °C Storage temperature Imin °C max °C Storage temperature Imin °C max °C		_			AWG/Kcmil
IEC min Max mm² ulations ed insulation voltage Ui ed impulse withstand voltage Uimp erating frequency withstand voltage uble insulation Supply / relay / electrode bient conditions mperature Operating temperature Min °C max °C Storage temperature min °C max °C storage temperature ecution of modules derial	24				
ulations ed insulation voltage Ui ed insulation voltage Ui ved impulse withstand voltage Uimp erating frequency withstand voltage uble insulation Supply / relay / electrode bient conditions Imperature Operating temperature Operating temperature Storage temperature Time of max of conductions Interval of modules	12	G	lax AWG	Ma	150
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ed insulation voltage Ui ded impulse withstand voltage Uimp kV erating frequency withstand voltage kV elbe insulation Supply / relay / electrode bient conditions Inperature Operating temperature Final °C max °C Storage temperature min °C max °C Storage temperature or max °C Storage ecution of modules terial	0.2				
red insulation voltage Uimp red impulse withstand voltage Uimp red impulse withstand voltage reating frequency withstand voltage red insulation Supply / relay / electrode red insulation Supply / electrode	4)²	'lax mm²	Ma	landation .
red impulse withstand voltage Uimp read impulse withstand voltage kV read insulation Supply / relay / electrode bient conditions Imperature Operating temperature Imin °C max °C Storage temperature Imin °C max °C Imin	0.40		\ /		
erating frequency withstand voltage kV uble insulation Supply / relay / electrode VAC bient conditions Inperature Operating temperature Imin °C max °C Storage temperature Imin °C max °C Storage temperature Imin °C max °C Storage temperature Imin °C max °C Imin	240				
uble insulation Supply / relay / electrode Description	4				
bient conditions Inperature Operating temperature min °C max °C Storage temperature min °C max °C secution of modules terial unting	2				
Operating temperature Min	≤250	U	VAC		
Operating temperature min °C max °C Storage temperature min °C max °C wax °C using ecution of modules terial unting					
Storage temperature min °C max °C Storage temperature min °C max °C max °C Lusing ecution of modules terial unting					
Storage temperature min °C max °C min °C max °C using ecution of modules terial unting	-20		nin °C	mi	Operating temperature
Storage temperature min °C max °C using ecution of modules terial unting	+60				
min °C max °C using ecution of modules terial unting	+00		iax C	ma	Storage temperature
max °C using ecution of modules terial unting	-30	•	nin °C	mi	otorage temperature
ecution of modules terial unting	+80				
ecution of modules terial unting	. 50	,	ian c	ma	Housing
of modules terial unting	Modular DIN rail				
terial unting	mounting				Execution
unting	1				N° of modules
unting	Self-extinguishing				Material
	polyamide				iviateriai
	35mm DIN rail				
	(IEC/EN 60715)				
degree of protection	or by screws				Mounting
degree of protection	using extractable				
degree of protection	clips IP40 on front /				
	IP20 on terminals				IEC degree of protection
	17.5 x 104.7 x				
nensions (W x H x D) mm	64.9	n	mm		Dimensions (W x H x D)
ight g	192		a		Weight
-			<u> </u>		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

ETIM classification

ETIM 8.0

EC001447 - (Fill) level monitoring relay