

Product designation	Level control relay for emptying or filling function. Dual voltage. Modular version		
Product type designation	LVM30		
Function	Emptying or filling function		
Auxiliary supply			
Supply voltage Type	Dual voltage		
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	kohm	2.5...50	
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	105	
Mechanical life	cycles	30x106	
Indications			
Indication	1 green LED for power on 1 red LED for relay state		
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	mm ²	0.2
Max	mm ²	4

Maximum cable length

m / ft

800m max /
sensitivity 2.5kΩ
150m max /
sensitivity 25kΩ
100m max /
sensitivity 50kΩ
Calculated using
600V 3-core
0.75mm² section
cables.

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

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 315

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