

Product designation	Level control relay multifunction. Single voltage. Modular version LVM40		
Product type designation	Multifunction: emptying function and alarms filling function and alarms emptying function with priority start-up change control		
Function	filling function with priority start-up change control well draining and tank filling and alarms		
Auxiliary supply			
Supply voltage Type	Single voltage		
Rated auxiliary supply voltage Us AC	min Max	VAC VAC	110 127
Operating voltage range	0.85...1.1 Us		
Rated frequency			Hz 50/60
Power consumption Max			VA 4.5
Power dissipation Max			W 2.8
Output characteristics			
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			kohm 2.5...200
Time delay			
Tripping time			s 1
Resetting time			s 1
Probe tripping delay			1...10s
Relay outputs			
Number of relays			Nr. 2
Relay state	Normally de-energised, energises at tripping		
Contact arrangement	1 changeover contact C/O-SPDT + 1 contact NO-SPST		

Rated operational voltage AC (IEC)	VAC	250
Maximum switching voltage	VAC	400
IEC Conventional free air thermal current I _{th}	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 indicator for power on 2 red LEDs for relay state 2 red LEDs for probe state
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Connections

Tightening torque for terminals

max	Nm	0.8
max	I _{bin}	7

Conductor cross section

AWG/Kcmil

min	AWG	24
Max	AWG	12

IEC

min	mm ²	0.2
Max	mm ²	4

Insulations

Rated insulation voltage U _i	V	415
Rated impulse withstand voltage U _{imp}	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	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