



Level control relay for emptying function. Single voltage. Modular version - KIT LVMKIT20 Emptying

Product designation

Product type designation

Function

**Auxiliary supply**

Supply voltage Type Single voltage

Rated auxiliary supply voltage  $U_s$   
AC

min	VAC	220
Max	VAC	240

Operating voltage range 0.85...1.1  $U_s$

Rated frequency Hz 50/60

Power consumption Max VA 3.5

Power dissipation Max W 1.8

**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 adjustable

**Time delay**

Tripping time s  $\leq 0.6$

Resetting time s  $\leq 0.75$

**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 I<sub>th</sub> A 8

UL/CSA and IEC/EN 60947-5-1 designation B300

Electrical life (with rated load) cycles  $10^5$

Mechanical life cycles  $30 \times 10^6$

### Indications

Indication	1 green LED for power on 1 red LED for relay state
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### 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 <sup>2</sup>	0.2
	Max	mm <sup>2</sup>	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

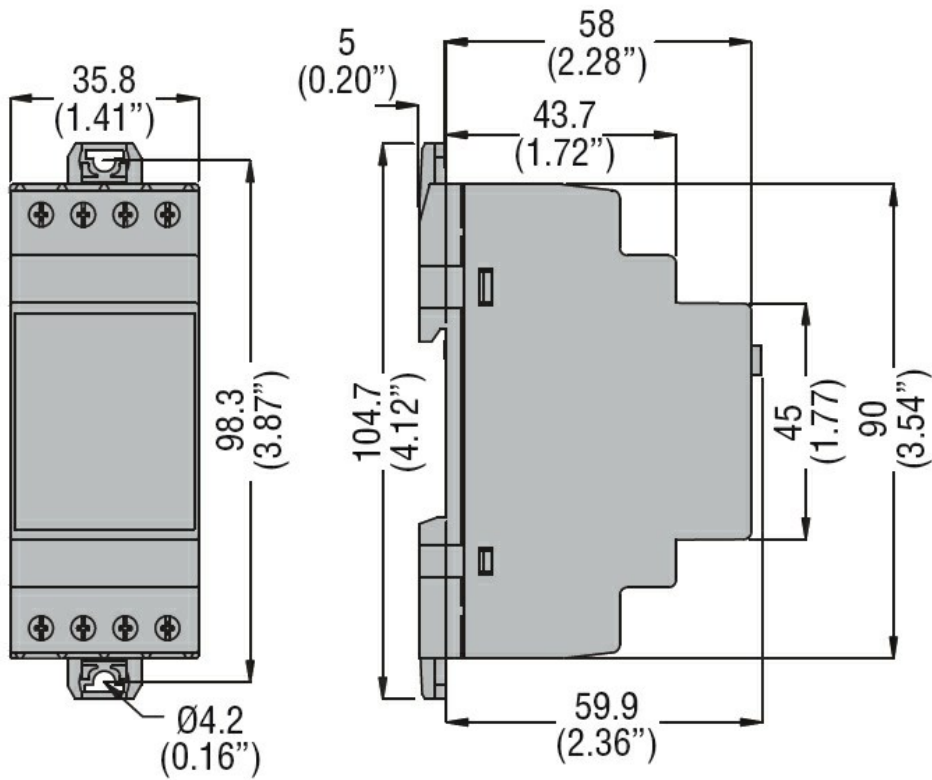
### Ambient conditions

Temperature			
Operating temperature	min	°C	-20
	max	°C	+60
Storage temperature	min	°C	-30
	max	°C	+80

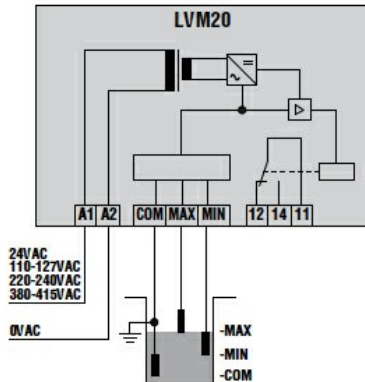
### Housing

Execution	Modular DIN rail mounting		
N° of modules	2		
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	35.8 x 104.7 x 64.9	
Weight	g	215	

### Dimensions [mm (in)]



### 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

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### ETIM classification

ETIM 8.0

EC001447 - (Fill)  
level monitoring  
relay