

Indications

LVMKIT20A024

LEVEL CONTROL STARTER KIT COMPLETE WITH LVM20A024 RELAY AND TWO SN1 ELECTRODES

Product designation Level control relay for emptying function. Single voltage. Modular version - kIT product type designation Level control relay for emptying function. Single voltage. Modular version - kIT product type designation Level kIT 20 product type designation Level kIT 20 product version - kIT product type designation Level kIT 20 product version - kIT product version - kIT product type designation Level kIT 20 product version - kIT product version - kI				
Single voltage Single voltage Rated auxiliary supply voltage Us AC	Product type designation			relay for emptying function. Single voltage. Modular version - KIT LVMKIT20
Rated auxiliary supply voltage US AC min VAC 24 Operating voltage range	Auxiliary supply			
AC min VAC 24 Operating voltage range 0.851.1 Us Rated frequency Hz 50/60 Power consumption Max VA 3.5 Power dissipation Max W 1.8 Output characteristics Nr. 3 Number of connectable electrodes Nr. 3 Electrode holders: SN1 / SCM / CGL				Single voltage
Operating voltage range min VAC 24 Rated frequency Hz 50/60 Power consumption Max VA 3.5 Power dissipation Max W 1.8 Output characteristics Nr. 3 Number of connectable electrodes Nr. 3 Type of electrode Electrode and electrode and electrode holders: SN1 / SCM / CGL / PS31 / PS3S or similar CSCM / CGL / PS31 / PS3S or similar Electrode voltage 7.5 VAC Sensitivity 2.550 adjustable Time delay 2.550 adjustable Tripping time s \$0.6 Resetting time s \$0.75 Relay outputs Nr. 1 Relay state Normally deenergised, energises at tripping energises at tripping Contact arrangement 1 changeover contact C/O-spDT Contact arrangement SPDT Rated operational voltage AC (IEC) VAC 250 Maximum switching voltage VAC 400 IEC Conventional free air thermal current Ith A 8	, ,,, ,			
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IEC Conventional free air thermal current Ith UL/CSA and IEC/EN 60947-5-1 designation Electrical life (with rated load) A 8 UL/CSA and IEC/EN 60947-5-1 designation B300 cycles 10⁵	Rated operational voltage AC (IEC)		VAC	250
UL/CSA and IEC/EN 60947-5-1 designation Electrical life (with rated load) B300 cycles 10 ⁵	Maximum switching voltage		VAC	400
Electrical life (with rated load) cycles 10 ⁵	IEC Conventional free air thermal current Ith		A	8
	UL/CSA and IEC/EN 60947-5-1 designation			B300
Mechanical life cycles 30x10 ⁶	Electrical life (with rated load)		cycles	10 ⁵
	Mechanical life		cycles	30x10 ⁶





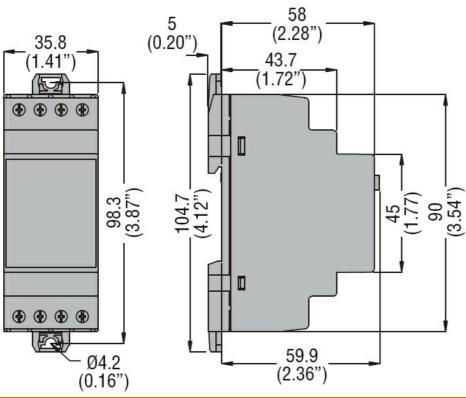
LEVEL CONTROL STARTER KIT COMPLETE WITH LVM20A024 RELAY AND TWO SN1 ELECTRODES

Indication			1 green LED for power on 1 red LED for relay state
Functions			
3 detecting electrodes (MIN, MAX and COM)			Yes
5 detecting electrodes (MIN1, MAX1, MIN2, MAX2 and COM			No
Sensitivity adjustment 2.550k Ω			Yes
Sensitivity adjustment 2.5100k Ω			No
Sensitivity adjustment 2.5200k Ω			No
Adjustable sensitivity full-scale value 25-50-100-200 k Ω			No
Separate sensitivity adjustment for MAX probe (foam detection)			No
Emptying function			Yes
Filling function			No
Emptying function with MIN and/or MAX alarm			No
Filling function with MIN and/or MAX alarm			No
Emptying function with pump priority change			No
Filling function with pump priority change			No
Tank filling, well drawing and alarm			No
Filling-emptying adjustment selector			No
Programming selector for 5 different			No
Motor start-up priority change			No
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	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			
Operating temperature			
· · ·	min	°C	-20
	max	°C	+60
Storage temperature			
· ·	min	°C	-30
	max	°C	+80
Housing			
			Modular DIN rail
Execution			mounting
N° of modules			2
Material			Self-extinguishing
Material			polyamide

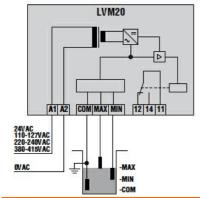


LEVEL CONTROL STARTER KIT COMPLETE WITH LVM20A024 RELAY AND TWO SN1 ELECTRODES

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



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



LVMKIT20A024

LEVEL CONTROL STARTER KIT COMPLETE WITH LVM20A024 RELAY AND TWO SN1 ELECTRODES

ETIM classification

ETIM 8.0

EC001447 - (Fill) level monitoring relay