

LEVEL MONITORING RELAYS, MODULAR VERSION, SINGLE-VOLTAGE. AUTOMATIC RESETTING, 220...240VAC

			Level control
Product designation			relay for emptying function. Single voltage. Modular version
Product type designation			LVM20 Emptying
Function			function
Auxiliary supply			
Supply voltage Type			Single voltage
Rated auxiliary supply voltage Us			
AC	min	\/ ^ C	220
	min Max	VAC VAC	220 240
Operating voltage range	IVIAX	VAC	0.851.1 Us
Operating voltage range		Hz	50/60
Rated frequency Power consumption Max		VA	3.5
Power dissipation Max		W	1.8
Output characteristics		VV	1.0
Number of connectable electrodes		N°	3
Number of connectable electrodes		IN	Electrode and
Type of electrode			electrode holders: SN1 / SCM / CGL / PS31 / PS3S or
Electrode voltage			similar
Electrode voltage Sensitivity		kohm	similar 7.5 VAC
Sensitivity		kohm	similar
Sensitivity Time delay			similar 7.5 VAC 2.550
Sensitivity Time delay Tripping time		kohm s s	similar 7.5 VAC
Sensitivity Time delay Tripping time Resetting time		S	similar 7.5 VAC 2.550 ≤0.6
Sensitivity Time delay Tripping time Resetting time Relay outputs		S	similar 7.5 VAC 2.550 ≤0.6
Sensitivity Time delay Tripping time Resetting time		S S	similar 7.5 VAC 2.550 ≤0.6 ≤0.75
Sensitivity Time delay Tripping time Resetting time Relay outputs Number of relays		S S	similar 7.5 VAC 2.550 ≤0.6 ≤0.75 1 Normally deenergised, energises at
Sensitivity Time delay Tripping time Resetting time Relay outputs Number of relays Relay state		S S	similar 7.5 VAC 2.550 ≤0.6 ≤0.75 1 Normally deenergised, energises at tripping 1 changeover contact C/O-
Sensitivity Time delay Tripping time Resetting time Relay outputs Number of relays Relay state Contact arrangement Rated operational voltage AC (IEC)		s s N°	similar 7.5 VAC 2.550 ≤0.6 ≤0.75 1 Normally deenergised, energises at tripping 1 changeover contact C/O-SPDT
Sensitivity Time delay Tripping time Resetting time Relay outputs Number of relays Relay state Contact arrangement		s s N°	similar 7.5 VAC 2.550 ≤0.6 ≤0.75 1 Normally deenergised, energises at tripping 1 changeover contact C/O-SPDT 250
Sensitivity Time delay Tripping time Resetting time Relay outputs Number of relays Relay state Contact arrangement Rated operational voltage AC (IEC) Maximum switching voltage IEC Conventional free air thermal current Ith		s s N°	similar 7.5 VAC 2.550 ≤0.6 ≤0.75 1 Normally deenergised, energises at tripping 1 changeover contact C/O-SPDT 250 400 8
Sensitivity Time delay Tripping time Resetting time Relay outputs Number of relays Relay state Contact arrangement Rated operational voltage AC (IEC) Maximum switching voltage IEC Conventional free air thermal current Ith UL/CSA and IEC/EN 60947-5-1 designation		s s N°	similar 7.5 VAC 2.550 ≤0.6 ≤0.75 1 Normally deenergised, energises at tripping 1 changeover contact C/O-SPDT 250 400 8 B300
Sensitivity Time delay Tripping time Resetting time Relay outputs Number of relays Relay state Contact arrangement Rated operational voltage AC (IEC) Maximum switching voltage IEC Conventional free air thermal current Ith		s s N°	similar 7.5 VAC 2.550 ≤0.6 ≤0.75 1 Normally deenergised, energises at tripping 1 changeover contact C/O-SPDT 250 400 8

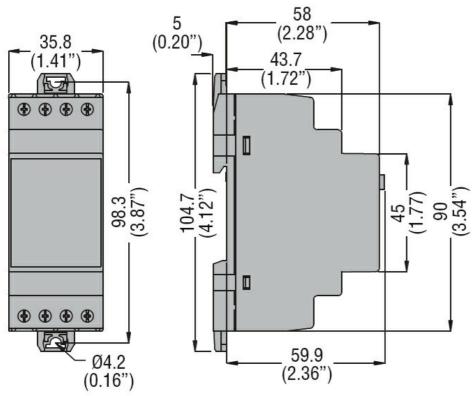
LEVEL MONITORING RELAYS, MODULAR VERSION, SINGLE-VOLTAGE. AUTOMATIC RESETTING, 220...240VAC

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		414/0	0.4
	min Max	AWG AWG	24 12
IEC	IVIAX	AWG	12
IEG	min	mm²	0.2
	Max	mm²	4
	Wicox		800m max /
			sensitivity $2.5k\Omega$
			150m max /
			sensitivity 25kΩ
Maximum cable lenght		m / ft	100m max / sensitivity 50kΩ
			Calculated using
			600V 3-core
			0.75mm2 section
			cables.
Insulations			
Datad inacilation valtage Lli			
Rated insulation voltage Ui		V	415
Rated impulse withstand voltage Uimp		kV	6
Rated impulse withstand voltage Uimp Operating frequency withstand voltage		kV kV	6 4
Rated impulse withstand voltage Uimp Operating frequency withstand voltage Double insulation Supply / relay / electrode		kV	6
Rated impulse withstand voltage Uimp Operating frequency withstand voltage Double insulation Supply / relay / electrode Ambient conditions		kV kV	6 4
Rated impulse withstand voltage Uimp Operating frequency withstand voltage Double insulation Supply / relay / electrode Ambient conditions Temperature		kV kV	6 4
Rated impulse withstand voltage Uimp Operating frequency withstand voltage Double insulation Supply / relay / electrode Ambient conditions	min	kV kV VAC	6 4 ≤250
Rated impulse withstand voltage Uimp Operating frequency withstand voltage Double insulation Supply / relay / electrode Ambient conditions Temperature	min max	kV kV VAC	6 4 ≤250
Rated impulse withstand voltage Uimp Operating frequency withstand voltage Double insulation Supply / relay / electrode Ambient conditions Temperature Operating temperature	min max	kV kV VAC	6 4 ≤250
Rated impulse withstand voltage Uimp Operating frequency withstand voltage Double insulation Supply / relay / electrode Ambient conditions Temperature		kV kV VAC	6 4 ≤250
Rated impulse withstand voltage Uimp Operating frequency withstand voltage Double insulation Supply / relay / electrode Ambient conditions Temperature Operating temperature	max	kV kV VAC	6 4 ≤250 -20 +60
Rated impulse withstand voltage Uimp Operating frequency withstand voltage Double insulation Supply / relay / electrode Ambient conditions Temperature Operating temperature Storage temperature Housing	max min	kV kV VAC °C °C	6 4 ≤250 -20 +60 -30 +80
Rated impulse withstand voltage Uimp Operating frequency withstand voltage Double insulation Supply / relay / electrode Ambient conditions Temperature Operating temperature Storage temperature Housing Execution	max min	kV kV VAC °C °C	6 4 ≤250 -20 +60 -30 +80 Modular
Rated impulse withstand voltage Uimp Operating frequency withstand voltage Double insulation Supply / relay / electrode Ambient conditions Temperature Operating temperature Storage temperature Housing	max min	kV kV VAC °C °C	6 4 ≤250 -20 +60 -30 +80 Modular 2
Rated impulse withstand voltage Uimp Operating frequency withstand voltage Double insulation Supply / relay / electrode Ambient conditions Temperature Operating temperature Storage temperature Housing Execution	max min	kV kV VAC °C °C	6 4 ≤250 -20 +60 -30 +80 Modular 2 Self-extinguishing polyamide
Rated impulse withstand voltage Uimp Operating frequency withstand voltage Double insulation Supply / relay / electrode Ambient conditions Temperature Operating temperature Storage temperature Housing Execution N° of modules	max min	kV kV VAC °C °C	6 4 ≤250 -20 +60 -30 +80 Modular 2 Self-extinguishing polyamide 35mm DIN rail
Rated impulse withstand voltage Uimp Operating frequency withstand voltage Double insulation Supply / relay / electrode Ambient conditions Temperature Operating temperature Storage temperature Housing Execution N° of modules Material	max min	kV kV VAC °C °C	6 4 ≤250 -20 +60 -30 +80 Modular 2 Self-extinguishing polyamide 35mm DIN rail (IEC/EN 60715)
Rated impulse withstand voltage Uimp Operating frequency withstand voltage Double insulation Supply / relay / electrode Ambient conditions Temperature Operating temperature Storage temperature Housing Execution N° of modules	max min	kV kV VAC °C °C	6 4 ≤250 -20 +60 -30 +80 Modular 2 Self-extinguishing polyamide 35mm DIN rail (IEC/EN 60715) or by screws
Rated impulse withstand voltage Uimp Operating frequency withstand voltage Double insulation Supply / relay / electrode Ambient conditions Temperature Operating temperature Storage temperature Housing Execution N° of modules Material	max min	kV kV VAC °C °C	6 4 ≤250 -20 +60 -30 +80 Modular 2 Self-extinguishing polyamide 35mm DIN rail (IEC/EN 60715) or by screws using extractable
Rated impulse withstand voltage Uimp Operating frequency withstand voltage Double insulation Supply / relay / electrode Ambient conditions Temperature Operating temperature Storage temperature Housing Execution N° of modules Material Mounting	max min	kV kV VAC °C °C	6 4 ≤250 -20 +60 -30 +80 Modular 2 Self-extinguishing polyamide 35mm DIN rail (IEC/EN 60715) or by screws
Rated impulse withstand voltage Uimp Operating frequency withstand voltage Double insulation Supply / relay / electrode Ambient conditions Temperature Operating temperature Storage temperature Housing Execution N° of modules Material	max min	kV kV VAC °C °C	6 4 ≤250 -20 +60 -30 +80 Modular 2 Self-extinguishing polyamide 35mm DIN rail (IEC/EN 60715) or by screws using extractable clips
Rated impulse withstand voltage Uimp Operating frequency withstand voltage Double insulation Supply / relay / electrode Ambient conditions Temperature Operating temperature Storage temperature Housing Execution N° of modules Material Mounting	max min	kV kV VAC °C °C	6 4 ≤250 -20 +60 -30 +80 Modular 2 Self-extinguishing polyamide 35mm DIN rail (IEC/EN 60715) or by screws using extractable clips IP40 on front /
Rated impulse withstand voltage Uimp Operating frequency withstand voltage Double insulation Supply / relay / electrode Ambient conditions Temperature Operating temperature Storage temperature Housing Execution N° of modules Material Mounting IEC degree of protection	max min	kV kV VAC °C °C °C	6 4 ≤250 -20 +60 -30 +80 Modular 2 Self-extinguishing polyamide 35mm DIN rail (IEC/EN 60715) or by screws using extractable clips IP40 on front / IP20 on terminals 35.8 x 104.7 x

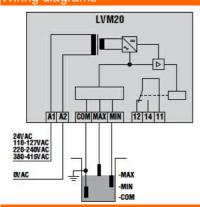
ENERGY AND AUTOMATION

LEVEL MONITORING RELAYS, MODULAR VERSION, SINGLE-VOLTAGE. AUTOMATIC RESETTING, 220...240VAC

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