

Product designation		Level control relay for emptying or filling function. Multi voltage. Modular version
Product type designation		LVM25
Function		Emptying or filling
Auxiliary supply		
Supply voltage Type		Multi voltage
Rated voltage Us		24...240VAC/DC
Operating voltage range		0.85...1.1 Us
Rated frequency	Hz	50/60
Power consumption Max	VA	3
Power dissipation Max	W	1.2
Output characteristics		
Number of connectable electrodes	Nr.	3
Type of electrode		Electrode and electrode holders: SN1 / SCM / CGL / PS31 / PS3S or similar
Electrode voltage		10 Vpp
Sensitivity	kΩ	2.5...100 adjustable
Time delay		
Tripping time	s	≤1
Resetting time	s	≤1
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 Ith	A	8
UL/CSA and IEC/EN 60947-5-1 designation		B300

Electrical life (with rated load)	cycles	10 ⁵
Mechanical life	cycles	30x10 ⁶
Indications		
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 2.5...50k Ω		No
Sensitivity adjustment 2.5...100k Ω		Yes
Sensitivity adjustment 2.5...200k 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		Yes
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		Yes
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	mm ²	0.2
		Max	mm ²	4
Insulations				
Rated insulation voltage U _i			V	240
Rated impulse withstand voltage U _{imp}			kV	4
Operating frequency withstand voltage			kV	2
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			1	
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	17.5 x 104.7 x 64.9
Weight			g	95
ETIM classification				
ETIM 8.0			EC001447 - (Fill) level monitoring relay	