

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 $U_s$	24...240VAC/DC	
Operating voltage range	0.85...1.1 $U_s$	
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	k $\Omega$	2.5...100 adjustable
Time delay		
Tripping time	s	$\leq 1$
Resetting time	s	$\leq 1$
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 $I_{th}$	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	
Functions		
3 detecting electrodes (MIN, MAX and COM)	Yes	
5 detecting electrodes (MIN1, MAX1, MIN2, MAX2 and COM)	No	
Sensitivity adjustment 2.5...50k $\Omega$	No	
Sensitivity adjustment 2.5...100k $\Omega$	Yes	

Sensitivity adjustment 2.5...200k $\Omega$	No
Adjustable sensitivity full-scale value 25-50-100-200 k $\Omega$	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	lbin	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	240
Rated impulse withstand voltage Uimp	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