



Start-up priority change relay.  
Modular version  
LVMP05  
Start-up priority change relay

Product designation

Product type designation

Function

**Auxiliary supply**

Supply voltage Type		Multi voltage
Rated voltage Us		24/48VDC or 24...240VAC
Operating voltage range		0.85...1.1 Us
Rated frequency	Hz	50/60
Power consumption Max	VA	1.6
Power dissipation Max	W	0.9

**Relay outputs**

Number of relays	Nr.	2
Relay state		Normally de-energised, energises at tripping
Contact arrangement		2 x 1NO-SPST contact
Rated operational voltage AC (IEC)	VAC	250
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 <sup>5</sup>
Mechanical life	cycles	30x10 <sup>6</sup>

**Indications**

Indication		1 green LED for power on 1 red LED for relay state
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**Functions**

3 detecting electrodes (MIN, MAX and COM)	No
5 detecting electrodes (MIN1, MAX1, MIN2, MAX2 and COM)	No
Sensitivity adjustment 2.5...50k Ω	No
Sensitivity adjustment 2.5...100k Ω	No
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	No
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	Yes

### 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	250
Rated impulse withstand voltage Uimp	kV	4
Operating frequency withstand voltage	kV	2

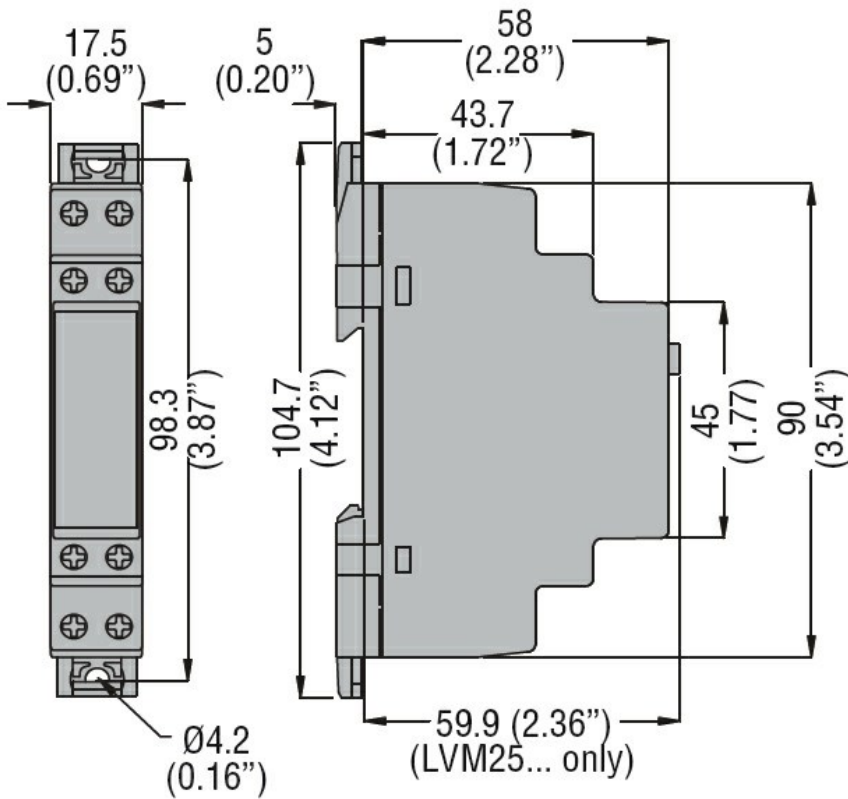
### Ambient conditions

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

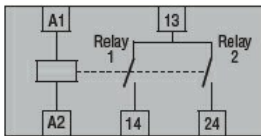
### Housing

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 90

### 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

### ETIM classification

ETIM 8.0

EC001447 - (Fill)  
level monitoring  
relay