



Product designation

Product type designation

Function

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

#### 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 $\Omega$	No
Sensitivity adjustment 2.5...100k $\Omega$	No
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	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

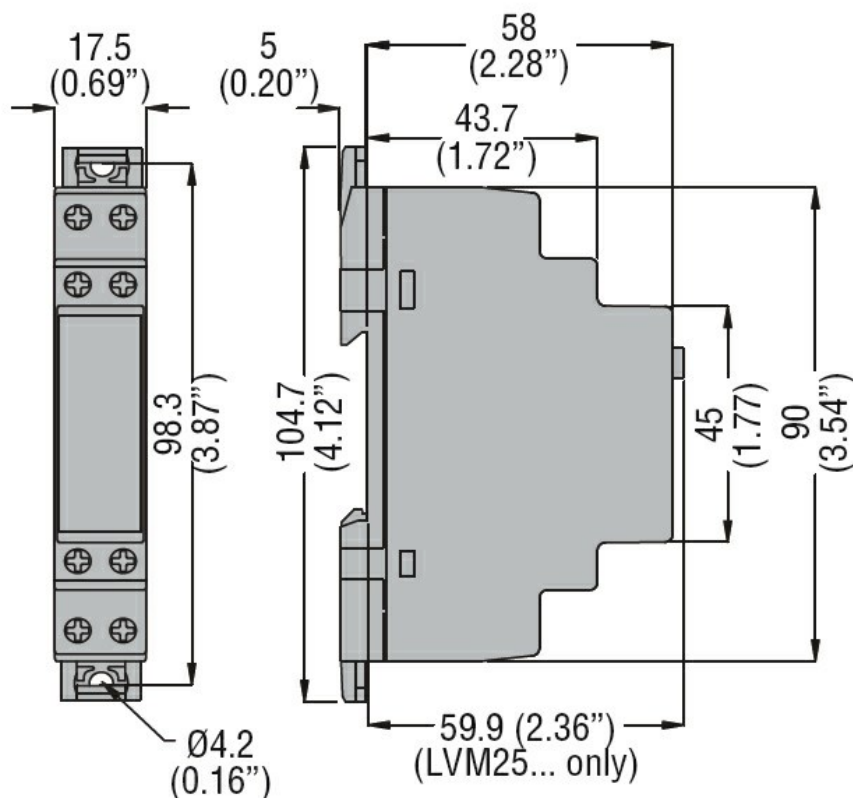
#### Ambient conditions

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

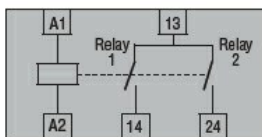
#### Housing

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