



Start-up priority change relay.  
Possible starting of stand-by motor. Modular version  
LVMP10  
Start-up priority change relay.  
Possible starting of stand-by motor

Product designation

Product type designation

Function

#### Auxiliary supply

Supply voltage Type	Single voltage		
Rated auxiliary supply voltage $U_s$	AC		
	min	VAC	24
Operating voltage range			0.85...1.1 $U_s$
Rated frequency		Hz	50/60
Power consumption Max		VA	4.8
Power dissipation Max		W	3

#### 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
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
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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	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	415
Rated impulse withstand voltage Uimp	kV	4
Operating frequency withstand voltage	kV	2.5

#### Ambient conditions

##### Temperature

Operating temperature

min	°C	-20
max	°C	+60

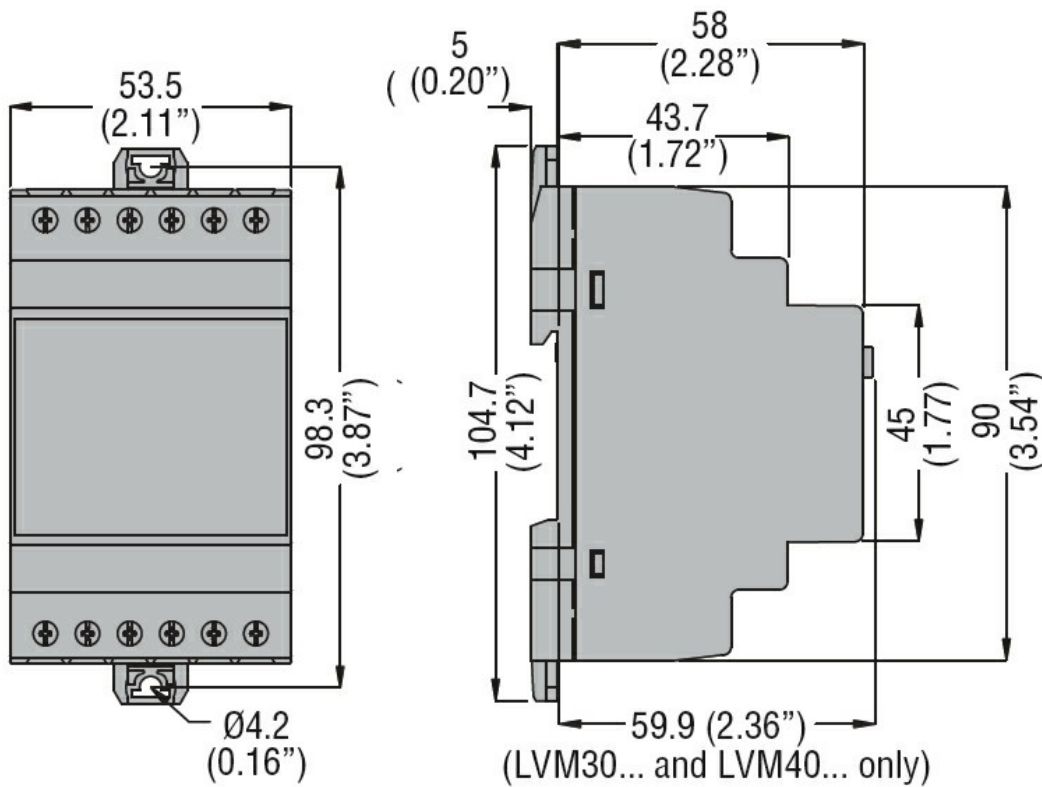
Storage temperature

min	°C	-30
max	°C	+80

#### Housing

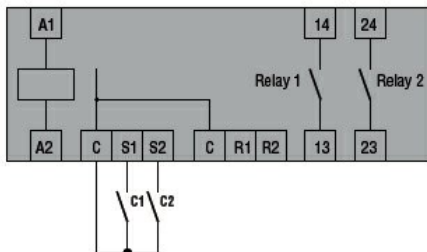
Execution	Modular DIN rail mounting
N° of modules	3
Material	Self-extinguishing polyamide
Mounting	35mm DIN rail (IEC/EN 60715) or by screws using extractable clips
IEC degree of protection	IP40 on front / IP20 on terminals
Dimensions (W x H x D)	mm 53.5 x 104.7 x 64.9
Weight	g 250

#### Dimensions



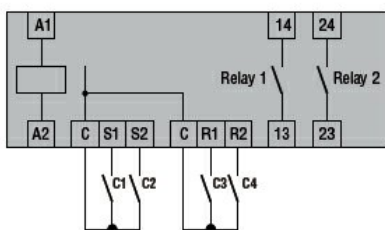
## Wiring diagrams

### 2-wire connection



C1 = Primary  
C2 = Secondary / Standby

### 3-wire connection



C1 = Start Primary  
C2 = Start Standby  
C3 = Stop Primary  
C4 = Stop Standby

## 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