



START-UP PRIORITY CHANGE RELAY FOR 3 OR 4 MOTORS, MODULAR VERSION. AUXILIARY SUPPLY VOLTAGE 24VAC



Operating voltage range Z0.428.8VAC Rated frequency Hz 50/60 Operational frequency min Hz 47 Operational frequency min Hz 47 Power dissipation Max W 7.5 Relay outputs Nr. 4 Number of relays Nr. 4 Relay state Normally deenergised, energises at tripping Contact arrangement 4 NO Rated operational voltage AC (IEC) VAC 250 Maximum switching voltage VAC 265 IEC Conventional free air thermal current Ith A 8 Electrical life (with rated load) cycles 105 Indications Display for monitoring moto	Product designation Product type designation Function Auxiliary supply Supply voltage Type Rated auxiliary supply voltage Us AC	min	VAC	Start-up priority change relay. Modular version LVMP30 Priority change for 3-4 motors Multi voltage
Operating voltage range 20.428.8VAC Rated frequency Hz 50/60 Operational frequency min Hz 47 max Hz 63 Power dissipation Max W 7.5 Relay outputs Nr. 4 Number of relays Nr. 4 Relay state Normally deenergised, energised, energises at tripping Contact arrangement 4 NO Rated operational voltage AC (IEC) VAC 250 Maximum switching voltage VAC 265 IEC Conventional free air thermal current lth A 8 Electrical life (with rated load) cycles 10° Indications Display for monitoring moto status, number of status, number				•
Rated frequency Operational frequency min Hz 47 max Hz 63 Power dissipation Max Relay outputs Number of relays Number of relays Relay state Contact arrangement A NO Rated operational voltage AC (IEC) Maximum switching voltage IEC Conventional free air thermal current Ith A 8 Electrical life (with rated load) Indications Functions Functions 3 detecting electrodes (MIN, MAX and COM) 5 detecting electrodes (MIN, MAX and COM) 5 detecting electrodes (MIN, MAX and COM) 5 detecting electrodes (MIN, MAX and COM) No min Hz 47 max Hz 47 max Hz 63 Normally de-energised, energised, energise	Operating voltage range	111601	*****	
Operational frequency min			Hz	
Power dissipation Max Power dissipation Max Power dissipation Max Power dissipation Max Relay outputs Number of relays Nr. 4 Relay state Relay state Relay state Contact arrangement Contact arrangement Rated operational voltage AC (IEC) VAC 250 Maximum switching voltage VAC 265 IEC Conventional free air thermal current Ith A 8 Electrical life (with rated load) Indication Indication Indication Punctions Functions Functions S detecting electrodes (MIN, MAX and COM) S detecting electrodes (MIN, MAX1, MIN2, MAX2 and COM) S detecting electrodes (MIN1, MAX1, MIN2, MAX2 and COM) S detecting electrodes (MIN1, MAX1, MIN2, MAX2 and COM) S detecting electrodes (MIN1, MAX1, MIN2, MAX2 and COM) S detecting electrodes (MIN1, MAX1, MIN2, MAX2 and COM) S over the max and working hours are considered to the max and				
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Maximum switching voltage IEC Conventional free air thermal current Ith A 8 Electrical life (with rated load) Indications Display for monitoring moto status, number of starts and working hours Functions 3 detecting electrodes (MIN, MAX and COM) 5 detecting electrodes (MIN1, MAX1, MIN2, MAX2 and COM) No	Contact arrangement			4 NO
IEC Conventional free air thermal current Ith Electrical life (with rated load) Indications Display for monitoring moto status, number of starts and working hours Functions 3 detecting electrodes (MIN, MAX and COM) 5 detecting electrodes (MIN1, MAX1, MIN2, MAX2 and COM) No	Rated operational voltage AC (IEC)		VAC	250
Electrical life (with rated load) Indications Display for monitoring moto status, number of starts and working hours Functions 3 detecting electrodes (MIN, MAX and COM) 5 detecting electrodes (MIN1, MAX1, MIN2, MAX2 and COM) No	Maximum switching voltage		VAC	265
Indications Indication Indic	IEC Conventional free air thermal current Ith		Α	8
Indication Indication Indication Indication Indication Status, number of starts and working hours Functions 3 detecting electrodes (MIN, MAX and COM) 5 detecting electrodes (MIN1, MAX1, MIN2, MAX2 and COM) No			cycles	10⁵
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3 detecting electrodes (MIN, MAX and COM) 5 detecting electrodes (MIN1, MAX1, MIN2, MAX2 and COM No				monitoring motor status, number of starts and
5 detecting electrodes (MIN1, MAX1, MIN2, MAX2 and COM No				No
Sensitivity adjustment 2.5100k Ω				
Sensitivity adjustment 2.5200k Ω				
Adjustable sensitivity full-scale value 25-50-100-200 k Ω				
Separate sensitivity adjustment for MAX probe (foam detection) No	· · · · · · · · · · · · · · · · · · ·			
Emptying function No				
Filling function No				No
Emptying function with MIN and/or MAX alarm No				No

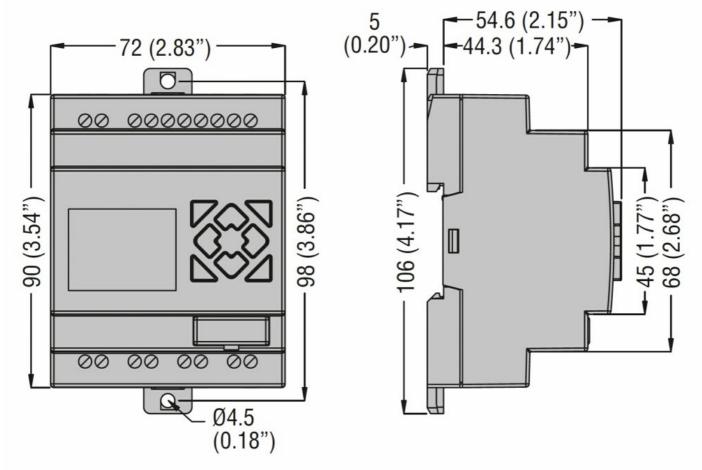




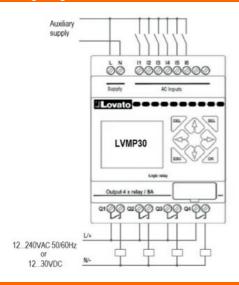
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Filling function with MI	N and/or MAX alarm			No
Emptying function with	pump priority change			No
Filling function with pu	mp priority change			No
Tank filling, well drawing	ng and alarm			No
Filling-emptying adjust	tment selector			No
Programming selector	for 5 different			No
Motor start-up priority	change			Yes
Connections				
Terminals type				Screw
Tightening torque for t	erminals			
		max	Nm	0.6
		max	Ibin	5.3
Conductor cross secti	on			
	AWG/Kcmil			
		min	AWG	26
		Max	AWG	14
	IEC			
		min	mm²	0.14
		Max	mm²	2.5
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-20
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Relative humidity			%	2090
Housing				
Execution				Modular DIN rail
				mounting
N° of modules				4
Material	-			Polyamide
				35mm DIN rail
				(IEC/EN 60715)
Mounting				or by screws
				using extractable
				clips
IEC degree of protect				IP20
Dimensions (W x H x I	J)		mm	72 x 106 x 59.6
Weight			g	250
Dimensions				





Wiring diagrams



Terminals / Morsetti	Description	Descrizione
L-N	Auxiliary supply: LVMP30A024: 24VAC 50/60Hz LVMP30A240: 100240VAC 50/60Hz	Alimentazione ausiliaria: LVMP30A024: 24VAC 50/60Hz LVMP30A240: 100240VAC 50/60Hz
l1	Minimum level (enable)	Livello minimo (abilitazione)
12	Start pump 1 input	Ingresso start pompa 1
13	Start pump 2 input	Ingresso start pompa 2
14	Start pump 3 input	Ingresso start pompa 3
15	Start pump 4 input	Ingresso start pompa 4
16	Latch enable	Abilitazione memoria
Q1	Pump 1 command output	Uscita comando pompa 1
Q2	Pump 2 command output	Uscita comando pompa 2
Q3	Pump 3 command output	Uscita comando pompa 3
Q4	Pump 4 command output	Uscita comando pompa 4

Certifications and compliance

Compliance

CSA C22.2 n°142

IEC/EN/BS 61131-2

UL508

Certificates

cULus

EAC

ETIM classification



LVMP30A024

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ETIM 8.0

EC001447 - (Fill) level monitoring relay