START-UP PRIORITY CHANGE RELAY, MODULAR VERSION, 2 OUTPUTS. AC/DC SUPPLY VOLTAGE, 24-48VDC, 24...240VAC

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Product designation		Start-up priority change relay. Modular version
Product type designation		LVMP05
Function		Start-up priority change relay
Auxiliary supply		
Supply voltage Type		Multi voltage
Rated voltage Us		24/48VDC or 24240VAC
Operating voltage range		0.851.1 Us
Rated frequency	Hz	50/60
Power consumption Max	VA	1.6
Power dissipation Max	W	0.9
Relay outputs	NI:	
Number of relays	Nr.	Normally do
		Normally de- energised,
Relay state		energises at
		tripping
Contact arrangement		2 x 1NO-SPST
Contact arrangement		contact
Rated operational voltage AC (IEC)	VAC	250
IEC Conventional free air thermal current Ith	Α	8
UL/CSA and IEC/EN 60947-5-1 designation		B300
Electrical life (with rated load)	cycles	10 ⁵
Mechanical life	cycles	30x10 ⁶
Indications		
		1 green LED for
Indication		power on 1 red LED for relay
		state
Functions		
3 detecting electrodes (MIN, MAX and COM)		No
5 detecting electrodes (MIN1, MAX1, MIN2, MAX2 and COM		No
Sensitivity adjustment 2.550k Ω		No
Sensitivity adjustment 2.5100k Ω		No
Sensitivity adjustment 2.5200k 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

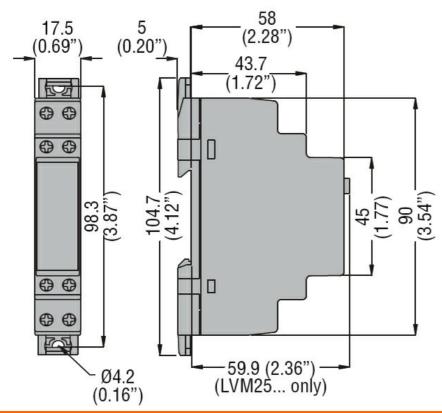
ENERGY AND AUTOMATION

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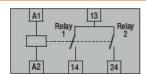
Filling-emptying adjustment selector No Programming selector for 5 different No Motor start-up priority change Yes Connections Screw Terminals type max Nm 0.8 Tightening torque for terminals max Nm 0.8 Conductor cross section min AWG 24 AWAX AWG 12 IEC min mm² 0.2 Max mm² 4 Insulations mm² 4 Rated insulation voltage Ui V 250 Rated insulation voltage Uimp kV 4 Operating frequency withstand voltage kV 2 Ambient conditions min °C -20 Temperature min °C -20 Storage temperature min °C -20 Modular DIN rail mounting °C +80 Execution Modular DIN rail mounting (EC/ER) 60715) or yes crews using extractable cilps Modular DIN rail mounting	Tank filling, well drawing and alarm			No
Programming selector for 5 different No Motor start-up priority change Yes Connections Screw Terminals type Screw Tightening torque for terminals max Nm 0.8 May Special				
Motor start-up priority change Yes Connections Screw Tightening torque for terminals max Nm 0.8 max Tightening torque for terminals Terminals type Screw Conductor cross section AWG/Kcmil min AWG 24 Max AWG 24 Max AWG 12 IEC Insulations Rated insulation voltage Ui V 250 Rated insulation voltage Uimp kV 4 Operating frequency withstand voltage kV 4 Ambient conditions Temperature min *C -20 Max *C -20 Rated insulation voltage Uimp *KV <td></td> <td></td> <td></td> <td></td>				
Connections Terminals type x Screw Tightening torque for terminals max Nm 0.8 max 1bin 7 Conductor cross section min AWG 24 Max AWG 12 IEC min mm² 0.2 Max mm² 4 IEC min mm² 0.2 Max mm² 4 Rated insulation voltage Ui V 250 Rated insulation voltage Uimp kV 4 Operating frequency withstand voltage kV 2 Ambient conditions min °C 20 max °C +60 Storage temperature min °C -20 max °C +60 Housing min °C -30 max °C +60 Execution min °C -30 max °C +60 Modular DIN rail mounting Self-extinguishing polyamide N° of modules 1 Material Self-extinguishing polyamide Mounting Self-extinguishing polyamide IEC degree of protection IP40 on front / IP20 on terminals Dimensions (W x H x D) mn Weight g 9 0				
Terminals type				. 00
Tightening torque for terminals				Screw
Max Nm 0.8 max Nm 0.8 max Nm 0.8 max Nm Nm Nm Nm Nm Nm Nm N				
Conductor cross section	riginaring tarqua for terminala	max	Nm	0.8
AWG/Kcmil				
AWG/Kcmil AWG	Conductor cross section			<u>. </u>
Max AWG 24 AWG 12 IEC				
TEC		min	AWG	24
IEC				
Insulations	IEC			
Insulations Rated insulation voltage Ui V 250 Rated impulse withstand voltage Uimp kV 4 Operating frequency withstand voltage kV 2 Ambient conditions V 250 Temperature Min °C -20 max °C -460 Storage temperature min °C -30 Housing Execution Modular DIN rail mounting N° of modules 1 1 Material Self-extinguishing polyamide 35mm DIN rail (IEC/EN 60715) Mounting Self-extinguishing polyamide 35mm DIN rail (IEC/EN 60715) Mounting IP40 on front / IP20 on terminals 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 g Weight g 90	· · ·	min	mm²	0.2
Nated insulation voltage Uimp				
Rated insulation voltage Uimp	Insulations			
Rated impulse withstand voltage Uimp			V	250
Operating frequency withstand voltage kV 2 Ambient conditions Temperature Temperature Min °C -20 max °C +60 Storage temperature Housing ** Modular DIN rail mounting N° of modules 1 Self-extinguishing polyamide Material Self-extinguishing polyamide 35mm DIN rail (IEC/EN 60715) or by screws using extractable clips 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			kV	
Ambient conditions Temperature Operating temperature				
Temperature				
Operating temperature min °C -20 max °C +60	Temperature			
Min				
Storage temperature min °C -30 max °C +80 Housing Execution Modular DIN rail mounting N° of modules 1 Material Material Mounting Mountin		min	°C	-20
Modular DIN rail mounting N° of modules Self-extinguishing polyamide S5mm DIN rail (IEC/EN 60715) or by screws using extractable clips IP40 on front / IP20 on terminals Dimensions (W x H x D) Dimensions (W x H x D) Execution Modular DIN rail mounting Modular DIN rail mounting Self-extinguishing polyamide S5mm DIN rail (IEC/EN 60715) or by screws using extractable clips IP40 on front / IP20 on terminals IP40 on front / IP20 on terminals IP40 on front / IP20 on terminals IP40 on front / IP40		max	°C	+60
Modular DIN rail mounting N° of modules Self-extinguishing polyamide S5mm DIN rail (IEC/EN 60715) or by screws using extractable clips IP40 on front / IP20 on terminals Dimensions (W x H x D) Dimensions (W x H x D) Execution Modular DIN rail mounting Modular DIN rail mounting Self-extinguishing polyamide S5mm DIN rail (IEC/EN 60715) or by screws using extractable clips IP40 on front / IP20 on terminals IP40 on front / IP20 on terminals IP40 on front / IP20 on terminals IP40 on front / IP40	Storage temperature			
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	, i	min	°C	-30
Execution Modular DIN rail mounting N° of modules 1 Material Self-extinguishing polyamide Jamp DIN rail (IEC/EN 60715) (IEC/EN 60715) Or by screws using extractable clips 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		max	°C	+80
Execution mounting N° of modules 1 Material Self-extinguishing polyamide Jamm DIN rail (IEC/EN 60715) (IEC/EN 60715) Or by screws using extractable clips using extractable or reminals 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	Housing			
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	Execution			Modular DIN rail
Material Self-extinguishing polyamide 35mm DIN rail (IEC/EN 60715) or by screws using extractable clips IEC degree of protection Dimensions (W x H x D) The strength of the polyamide of protection in the polyamide of the po	LACCUIIOIT			mounting
Mounting 35mm DIN rail (IEC/EN 60715) or by screws using extractable clips IP40 on front / IP20 on terminals	N° of modules			1
	Material			
IEC degree of protectionIP40 on front / IP20 on terminalsDimensions (W x H x D)mm $\frac{17.5 \times 104.7 \times 64.9}{64.9}$ Weightg90	Mounting			(IEC/EN 60715) or by screws using extractable
Weight 64.9 90	IEC degree of protection			IP40 on front /
	Dimensions (W x H x D)		mm	
	Weight		g	90
	Dimensions			



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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