31L48MM240

TIME RELAY, MULTIFUNCTION, MULTIVOLTAGE AND MULTISCALE, PLUG-IN AND FLUSH-MOUNT VERSION 48X48MM, 24...240VAC/DC



Product designation				Time relay
Product type designation				L48M
General characteristics				
Description				Multifunction time relay, multiscale and multivoltage
Function				Multifunction
Supply circuit				
Rated auxiliary supply voltage Us				24…240VAC/DC
Rated auxiliary supply voltage Us				
	AC			
		min	VAC	24
		Max	VAC	240
	DC			
		min	VDC	24
		Max	VDC	240
Rated frequency			Hz	50/60
Operating voltage range				0.85...1.1 Us
Maximum power consumption / dissipation			W	6VA
Immunity time for microbreakings			ms	≤40
Timing circuit				
Time setting range				0.05s…10min
Setting accuracy			%	±5
Repeat accuracy			%	±0.5
Influence of voltage variation			%	±0.5
Resetting time				
		During timing	ms	≥100
		Elapsed time	ms	≥65
Relay outputs				
Number of relays			Nr.	2
Contact arrangement				2 delayed C/O
Maximum switching voltage			VAC	250
IEC Conventional free air thermal current Ith			A	5
UL/CSA and IEC/EN 60947-5-1 designation				B300
Insulation (input-output)				
Rated insulation voltage Ui			V	250
Power frequency withstand voltage			kV	2
Operations				
Mechanical life			cycles	30000000
Electrical life (with rated load)			cycles	100000
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-10
		max	°C	+60

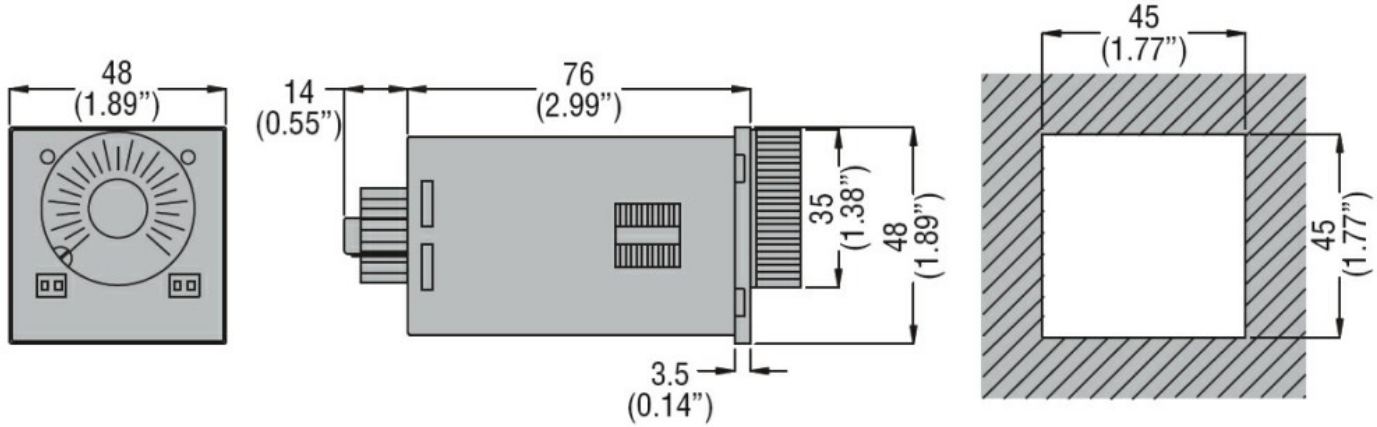
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Storage temperature			
	min	°C	-30
	max	°C	+80

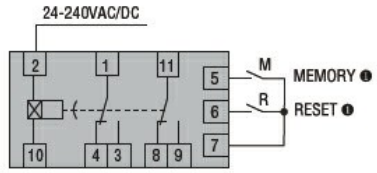
Housing

Material		Self-extinguishing polyamide
Mounting		Plug-in housing with 11-pin socket
Degree of protection		IP40 on front, IP20 terminals
Dimensions (W x H x D)	mm	48 x 48 x 90
Weight	g	135

Dimensions



Wiring diagrams



T (preset time) = T1+T2
❶ Contacts "M" and "R" are to be volt free (dry).

Certifications and compliance

Compliance	
	CSA C22.2 n°14
	IEC/EN 61812-1
	UL508
Certificates	
	cURus
	EAC

ETIM classification

ETIM 8.0	EC001439 - Timer relay

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