



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 U_s			24...240VAC/DC	
Rated auxiliary supply voltage U_s 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 U_s	
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 I_{th}			A	5
UL/CSA and IEC/EN 60947-5-1 designation			B300	
Insulation (input-output)				
Rated insulation voltage U_i			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

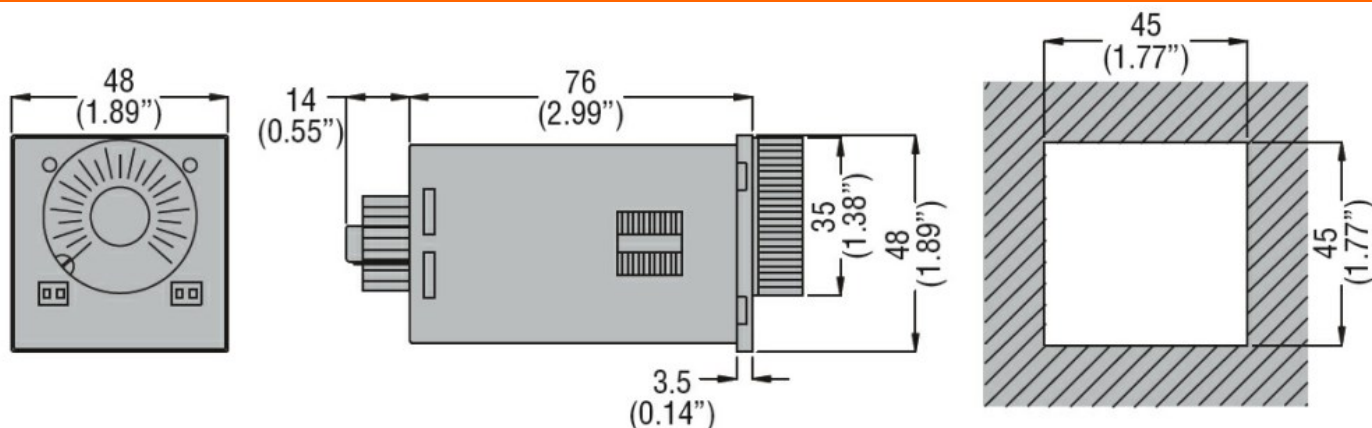
Storage temperature

min	°C	-30
max	°C	+80

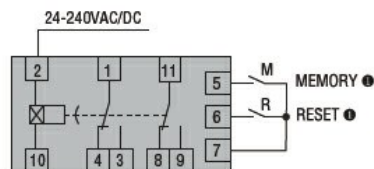
Housing

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


$$T \text{ (preset time)} = T_1 + T_2$$

① 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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