



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

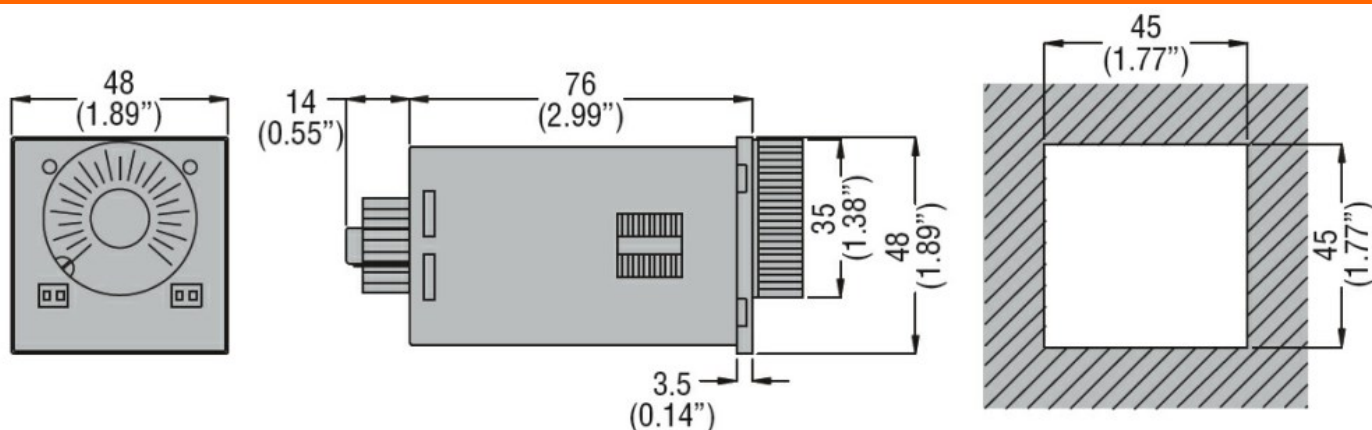
Storage temperature

min	°C	-30
max	°C	+80

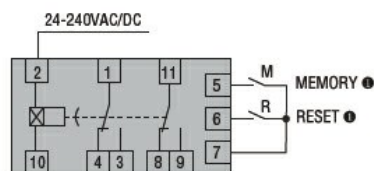
Housing

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 (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