



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	

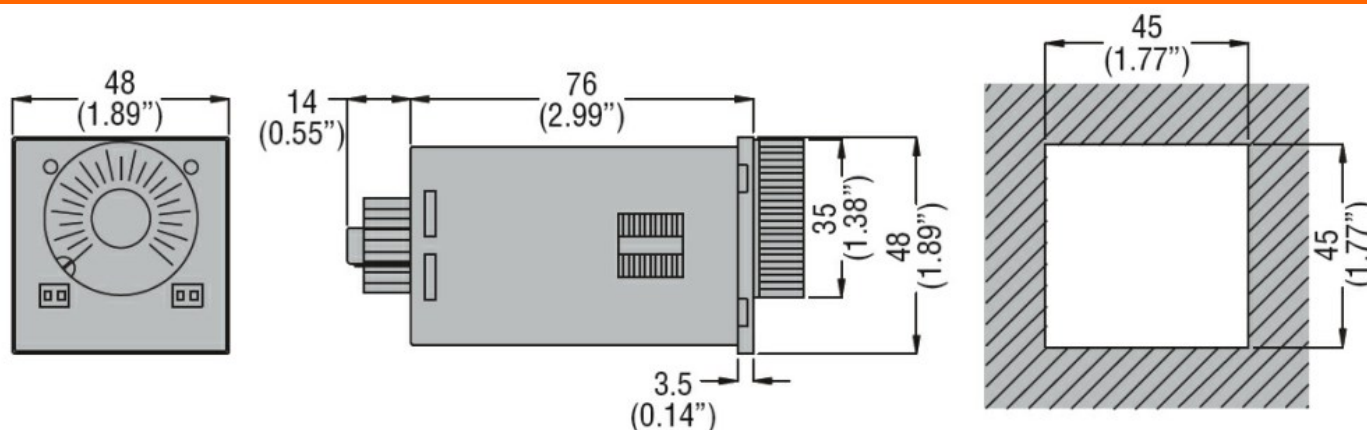
Storage temperature

min	°C	-30
max	°C	+80

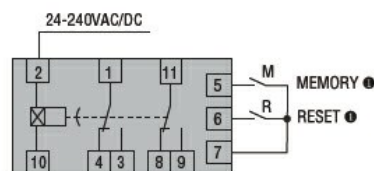
Housing

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