



Product designation	Time relay		
Product type designation	TMM1		
Number of DIN modules	1		
General characteristics			
Description	Multifunction time relay, multiscale and multivoltage time relay, 1 relay output		
Function	Multifunction		
Supply circuit			
Rated auxiliary supply voltage Us	12...240VAC/DC		
Rated auxiliary supply voltage Us			
AC	min	VAC	12
	Max	VAC	240
DC	min	VDC	12
	Max	VDC	240
Rated frequency	Hz		50/60
Operating voltage range	0.85...1.1 Us		
Maximum power consumption / dissipation	W	0.6VA/0.3W (12...48VAC/DC), 1.6VA/1.2W (110...240VAC/DC)	
Immunity time for microbreakings	ms	≤25	
Timing circuit			
Time setting range	0.1s...10days		
Setting accuracy	%	<±9	
Repeat accuracy	%	<±0.5	
Influence of voltage variation	%	<±0.1	
Influence of temperature variation	%	<±0.2	
External command input	Minimum ON time	ms	25
	Connenction time		permanent
Resetting time	During timing	ms	≥100
	Elapsed time	ms	≥50
Relay outputs			
Number of relays	Nr.	1	
Contact arrangement	1 delayed changeover		
Maximum switching voltage	VAC	250	
IEC Conventional free air thermal current Ith	A	8	
UL/CSA and IEC/EN 60947-5-1 designation	B300		
Insulation (input-output)			

Rated insulation voltage Ui	V	250
Rated impulse withstand voltage Uimp	kV	4
Power frequency withstand voltage	kV	2

Connections

Terminals type			Screw
Tightening torque (Max)			
	Tightening torque Max	Nm	0.8
	Tightening torque Max	Ibin	7 / 7...9 UL

Conductor section			
	AWG/Kcmil		
		min	24...12
		max	12...18
	IEC		
		min	mm ² 0.2
		max	mm ² 4

Operations

Mechanical life	cycles	30000000
Electrical life (with rated load)	cycles	100000

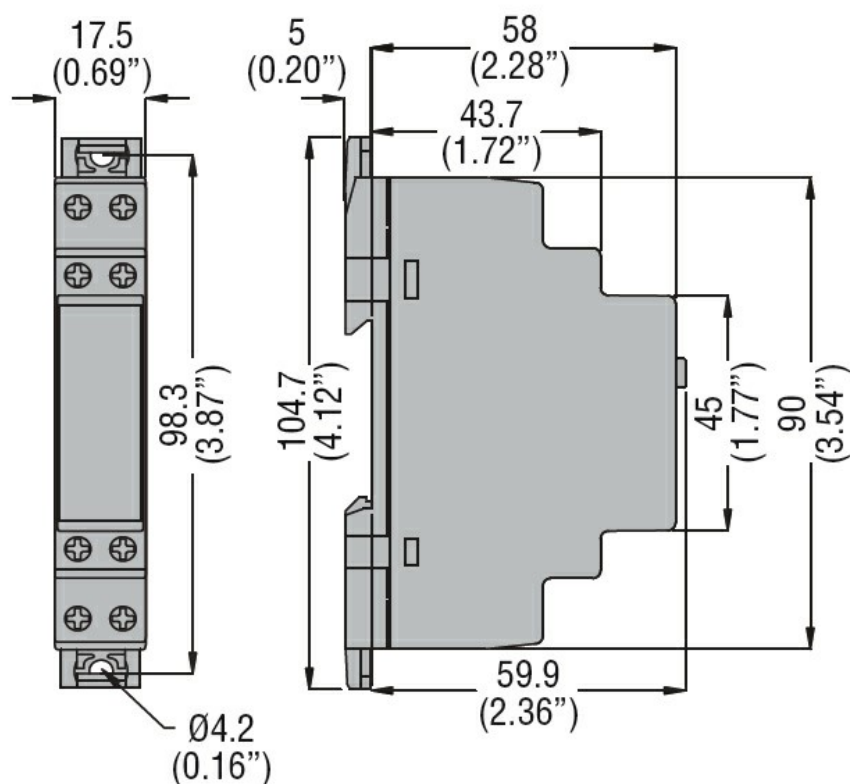
Ambient conditions

Temperature			
	Operating temperature		
		min	°C -20
		max	°C +60
	Storage temperature		
		min	°C -30
		max	°C +80
Relative humidity		%	<90%
Maximum Pollution degree			2
Overvoltage category			III

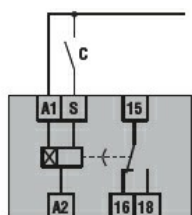
Housing

Execution (n° of modules)	1
Material	Self-extinguishing polyamide
Mounting	DIN rail 35 mm
Degree of protection	IP40 on front, IP20 terminals
Dimensions (W x H x D)	mm17.5 x 104.7 x 64.9
Weight	g86

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n°14
IEC/EN 61812-1
UL508

Certificates

cULus
EAC

ETIM classification

ETIM 8.0

EC001439 -
Timer relay