



Product designation				Time relay	
Product type designation				TMM2	
Number of DIN modules				1	
General characteristics					
Description				Multifunction time relay, multiscale and multivoltage, 2 relay outputs	
Function				Multifunction	
Supply circuit					
Rated auxiliary supply voltage U_s				12...240VAC/DC	
Rated auxiliary supply voltage U_s 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 U_s	
Maximum power consumption / dissipation			W	1.1VA/0.8W (12...48VAC/DC), 1.8VA/1.2W (110...240VAC/DC)	
Immunity time for microbreakings			ms	≤15	
Timing circuit					
Time setting range				0.1s...10days	
Setting accuracy			%	<±9	
Repeat accuracy			%	<±0.2	
Influence of voltage variation			%	<±0.1	
Influence of temperature variation			%	<±0.2	
External command input	Minimum ON time		ms	25	
	Connention time			permanent	
Resetting time	During timing		ms	≥100	
	Elapsed time		ms	≥50	
Relay outputs					
Number of relays				Nr. 2	
Contact arrangement				1 inst./delayed N/O + 1 delayed C/O	
Maximum switching voltage			VAC	250	
IEC Conventional free air thermal current I_{th}			A	8	
UL/CSA and IEC/EN 60947-5-1 designation				B300	
Insulation (input-output)					

Rated insulation voltage U_i	V	250
Rated impulse withstand voltage U_{imp}	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

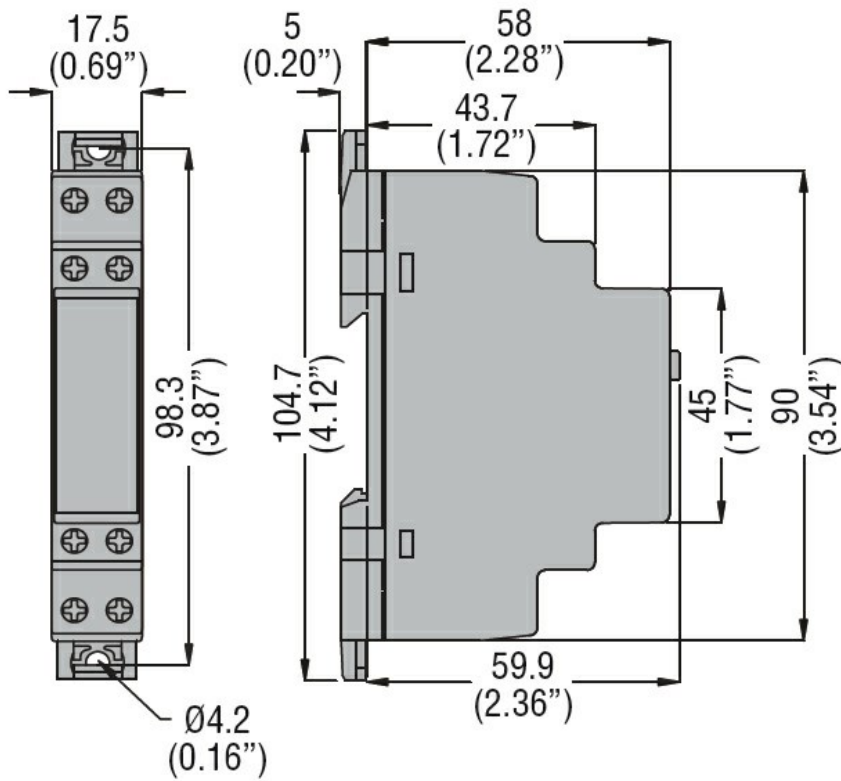
Ambient conditions

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	

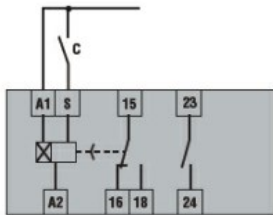
Housing

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)		mm	17.5 x 104.7 x 64.9	
Weight		g	94	

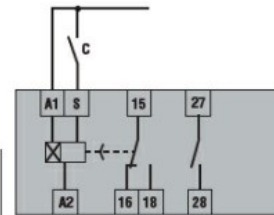
Dimensions



Wiring diagrams



With instantaneous operation programmed



With delayed operation programmed



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