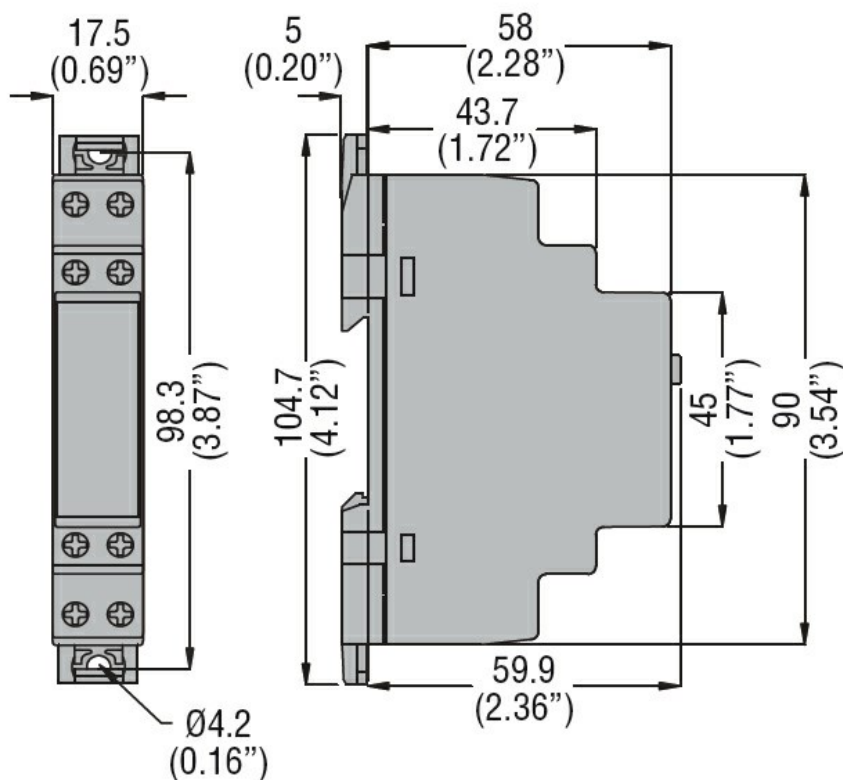


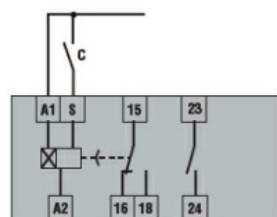


Product designation	Time relay		
Product type designation	TMM2		
Number of DIN modules	1		
General characteristics			
Description	Multifunction time relay, multiscale and multivoltage, 2 relay outputs		
Function	Multifunction		
Supply circuit			
Rated auxiliary supply voltage U_s	12...240VAC/DC		
Rated auxiliary supply voltage U_s AC	min Max	VAC VAC	12 240
DC	min Max	VDC VDC	12 240
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 Connenction time	ms	25 permanent
Resetting time	During timing Elapsed time	ms ms	≥100 ≥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)			

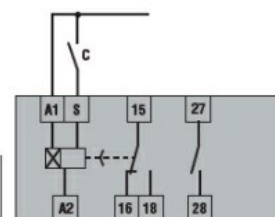
Rated insulation voltage Ui		V	250	
Rated impulse withstand voltage Uimp		kV	4	
Power frequency withstand voltage		kV	2	
Connections				
Terminals type		Screw		
Tightening torque (Max)		Tightening torque Max	Nm	0.8
		Tightening torque Max	lbin	7 / 7...9 UL
Conductor section				
AWG/Kcmil	min	24...12		
	max	12...18		
IEC	min	mm²	0.2	
	max	mm²	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