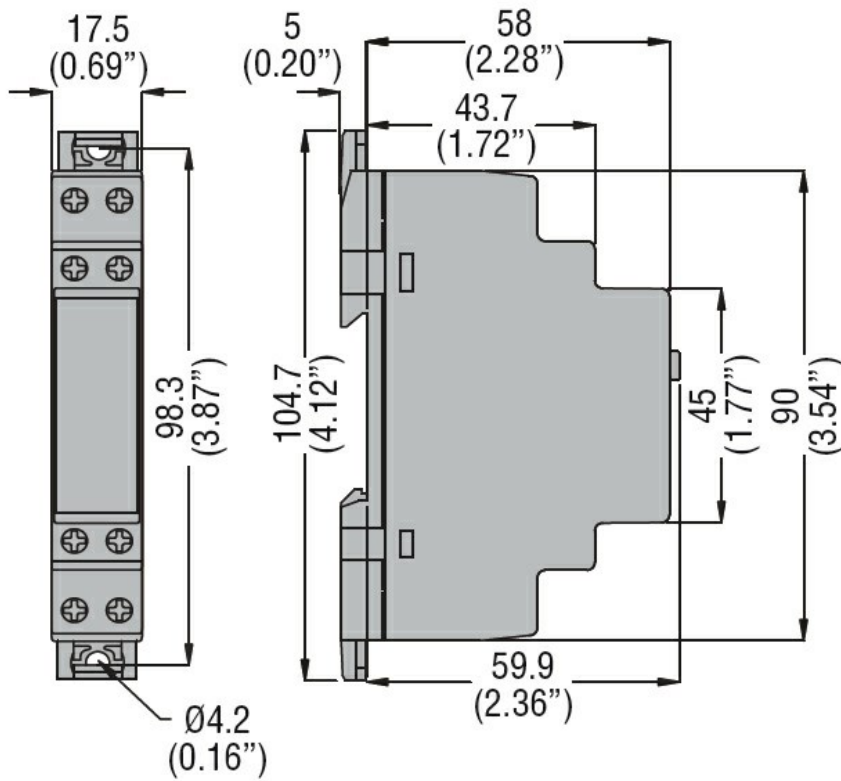


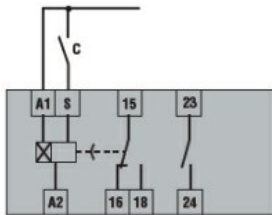


Product designation	Time relay		
Product type designation	TMM2		
Number of DIN modules	1		
General characteristics			
Description	Multifunction time relay, multiscale and multivoltage, 2 relay outputs		
Function	Multifunction		
Supply circuit			
Rated auxiliary supply voltage U_s			
AC	min	VAC	12
	Max	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	Multiscale 0.1...1s / 1...10s / 6...60s / 1...10min / 6min...1h / 1...10h / 0.1...1day / 1...10days / ON only / OFF only		
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		N°	2

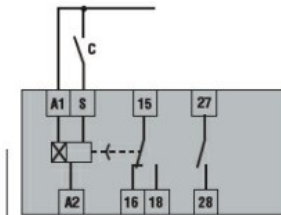
Contact arrangement				1 inst./delayed N/O + 1 delayed C/O
Maximum switching voltage		VAC		250
IEC Conventional free air thermal current Ith		A		8
UL/CSA and IEC/EN 60947-5-1 designation				B300
Insulation (input-output)				
Rated insulation voltage Ui		V		250
Rated impulse withstand voltage Uimp		kV		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)		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