



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 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	lbin	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

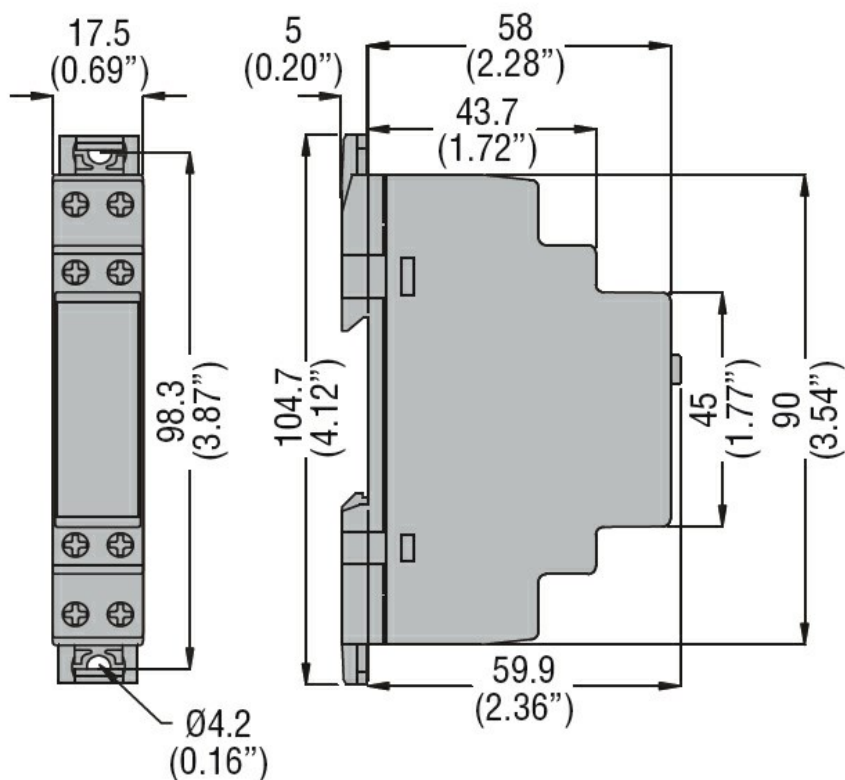
Temperature			
Operating temperature			
	min	°C	-20
	max	°C	+60
Storage temperature			
	min	°C	-30
	max	°C	+80

Relative humidity	%	<90%
Maximum Pollution degree		2
Overvoltage category		III

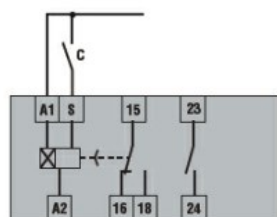
Housing

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	g94

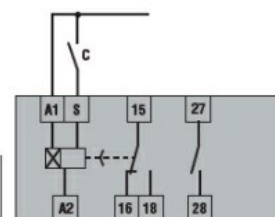
Dimensions



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