



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
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Operating voltage range	0.85...1.1 U_s	
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Maximum power consumption / dissipation	W	1.1VA/0.8W (12...48VAC/DC), 1.8VA/1.2W (110...240VAC/DC)
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Immunity time for microbreakings	ms	=15
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Timing circuit

Time setting range	0.1s...10days	
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Setting accuracy	%	< \pm 9
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Repeat accuracy	%	< \pm 0.2
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Influence of voltage variation	%	< \pm 0.1
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Influence of temperature variation	%	< \pm 0.2
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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
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Contact arrangement	1 inst./delayed N/O + 1 delayed C/O	
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Maximum switching voltage	VAC	250
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IEC Conventional free air thermal current I _{th}	A	8
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UL/CSA and IEC/EN 60947-5-1 designation	B300	
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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

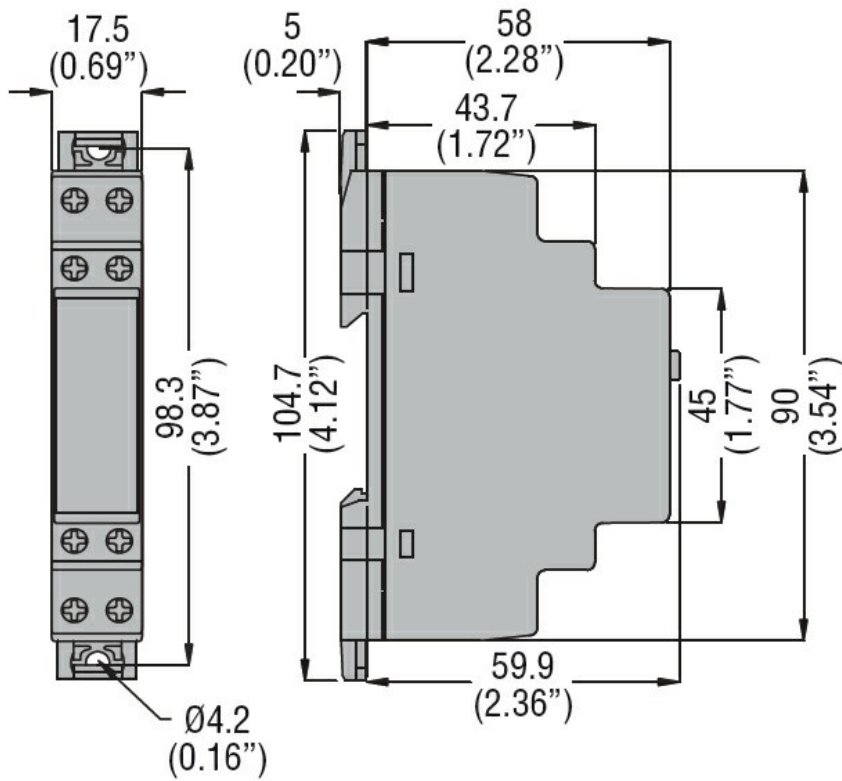
Ambient conditions

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	

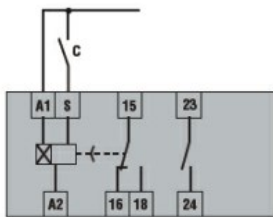
Housing

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	

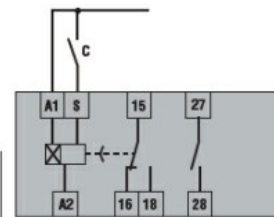
Dimensions



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