TMM2

MULTIFUNCTION TIME RELAY, MULTISCALE, MULTIVOLTAGE. 2 RELAY OUTPUTS. MODULAR VERSION, 12...240VAC/DC



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 Us				12…240VAC/DC
Rated auxiliary supply voltage Us				
	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 Us
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
		Connenction 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 Ith			A	8
UL/CSA and IEC/EN 60947-5-1 designation				B300
Insulation (input-output)				

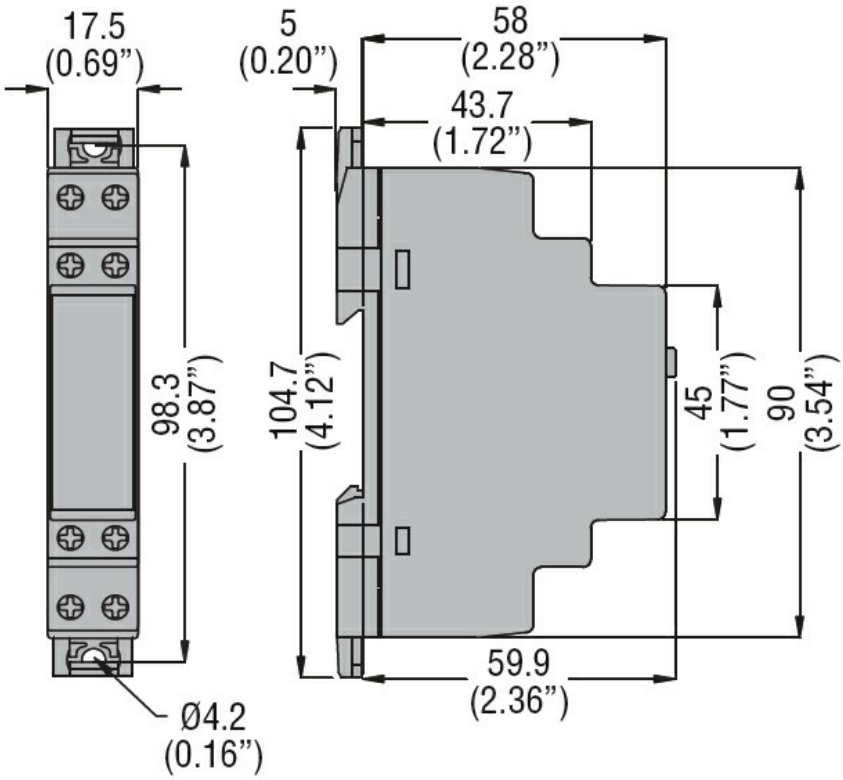
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Rated insulation voltage Ui			V	250
Rated impulse withstand voltage Uimp			kV	4
Power frequency withstand voltage			kV	2
Connections				
Terminals type				Screw
Tightening torque (Max)				
		Tightening torque Max	Nm	0.8
		Tightening torque Max	lbin	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 [mm (in)]				

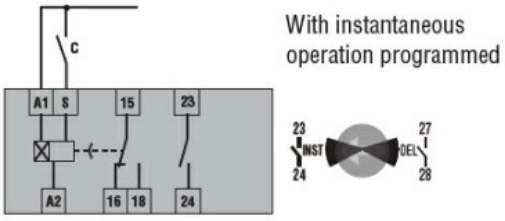
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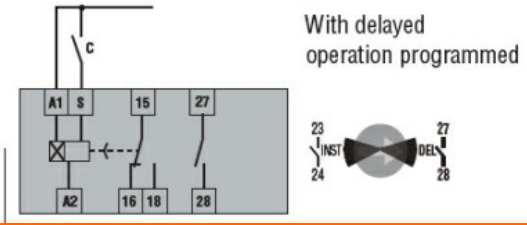
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Wiring diagrams





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

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