TMPL

RECYCLE TIME RELAY, INDEPENDENT TIMINGS, MULTISCALE, MULTIVOLTAGE, MODULAR VERSION, 12...240VAC/DC

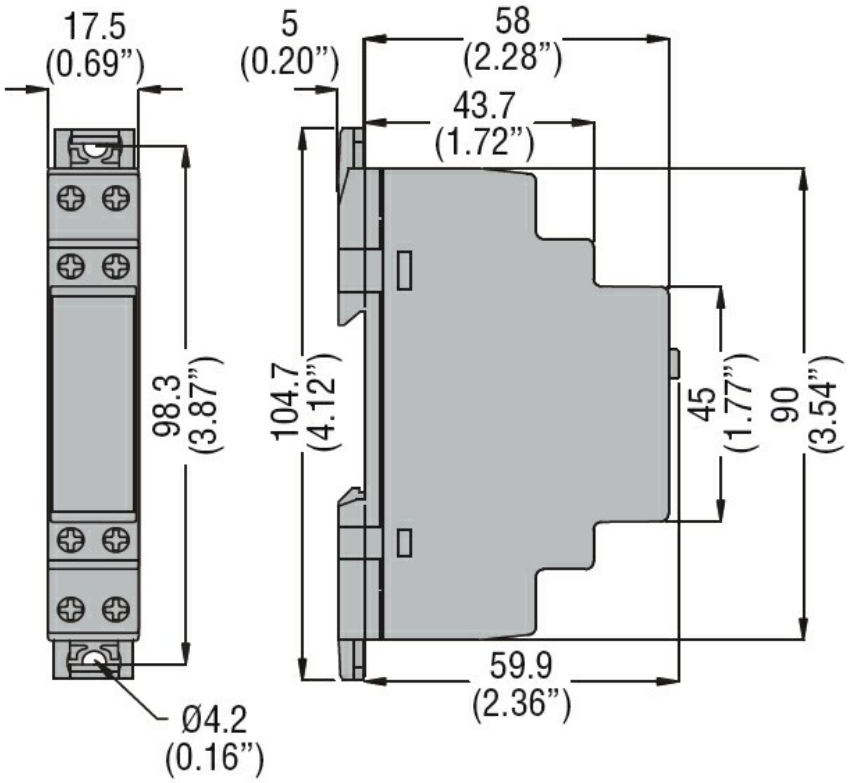


Product designation				Time relay
Product type designation				TMPL
Number of DIN modules				1
General characteristics				
Description				Recycle time relay with independent timings, multiscale and multivoltage
Function				Recycle time relay with independent timings
Supply circuit				
Rated auxiliary 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	0.6VA/0.3W (12...48VAC/DC), 1.6VA/1.2W (110...240VAC/DC)
Immunity time for microbreakings			ms	≤25
Timing circuit				
Time setting range				0.1s...100days
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.	1
Contact arrangement				1 delayed changeover

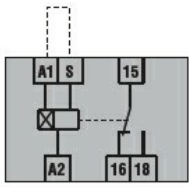
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Maximum switching voltage			VAC	250
IEC Conventional free air thermal current Ith			A	8
UL/CSA and IEC/EN 60947-5-1 designation				B300
Insulation (input-output)				
Rated insulation voltage Ui			V	250
Rated impulse withstand voltage Uimp			kV	4
Power frequency withstand voltage			kV	2
Connections				
Terminals type				Screw
Tightening torque (Max)				
		Tightening torque Max	Nm	0.8
		Tightening torque Max	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	82
Dimensions				

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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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