



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
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Function	Recycle time relay with independent timings
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Supply circuit

Rated auxiliary supply voltage Us	12...240VAC/DC
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Rated auxiliary supply voltage Us	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 Us
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Maximum power consumption / dissipation	W	0.6VA/0.3W (12...48VAC/DC), 1.6VA/1.2W (110...240VAC/DC)
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Immunity time for microbreakings	ms	≤25
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Timing circuit

Time setting range	0.1s...100days
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Setting accuracy	%	<±9
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Repeat accuracy	%	<±0.2
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Influence of voltage variation	%	<±0.1
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Influence of temperature variation	%	<±0.2
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External command input	Minimum ON time	ms	25
	Connention time		permanent

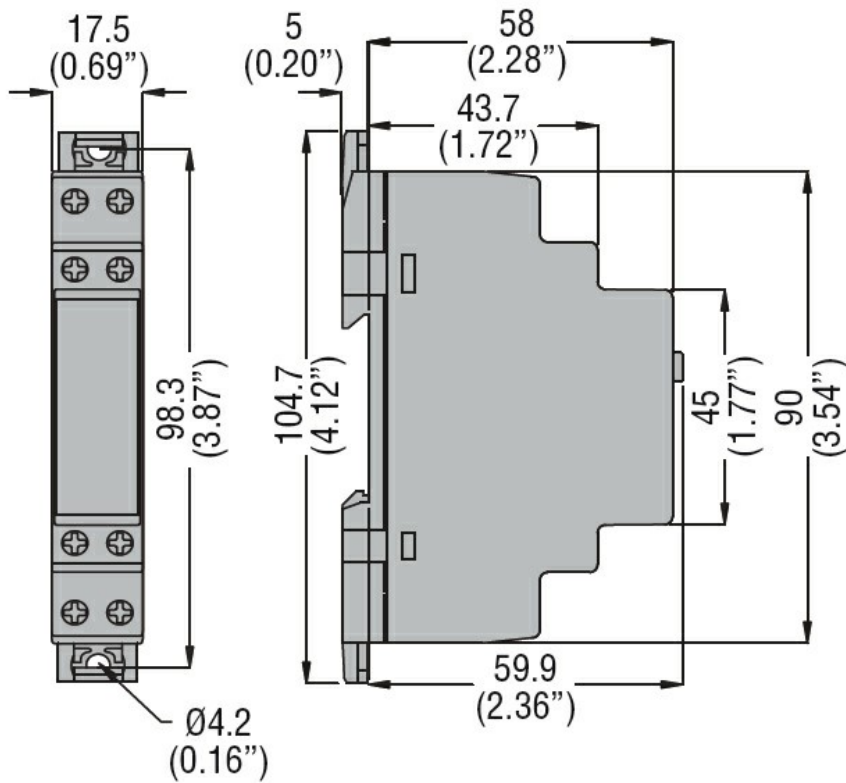
Resetting time	During timing	ms	≥100
	Elapsed time	ms	≥50

Relay outputs

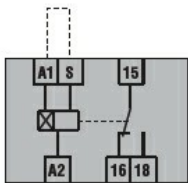
Number of relays	Nr.	1
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Contact arrangement	1 delayed changeover
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Maximum switching voltage	VAC	250
IEC Conventional free air thermal current Ith	A	8
UL/CSA and IEC/EN 60947-5-1 designation		B300
Insulation (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 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	82
Dimensions		



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