



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 U_s				
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 U_s
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				Multiscale 0.1...1s / 1...10s / 6...60s / 1...10min / 6min...1h / 1...10h / 0.1...1day / 1...10days / 3... 30days / 10...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	
	Connention time		permanent	

Resetting time

During timing	ms	≥100
Elapsed time	ms	≥50

Relay outputs

Number of relays	N°	1
Contact arrangement		1 delayed changeover
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	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

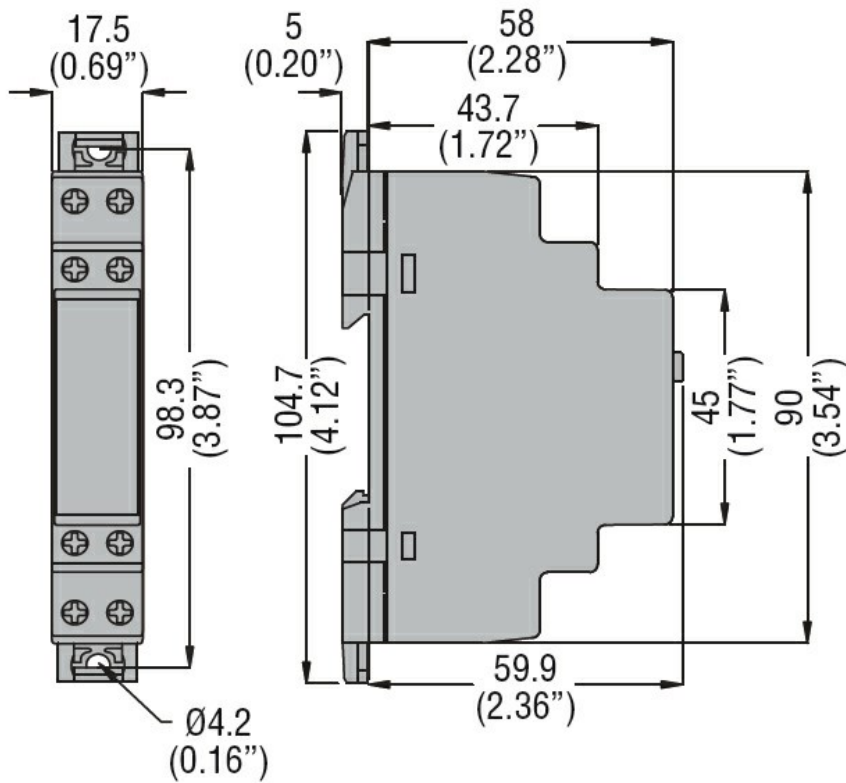
Operating temperature	min	°C	-20
	max	°C	+60
Storage temperature	min	°C	-30
	max	°C	+80

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

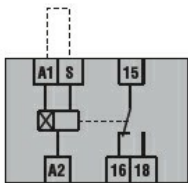
Housing

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	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