



Product designation				Time relay
Product type designation				TMP
Number of DIN modules				1
<b>General characteristics</b>				
Description				On delay time relay, multiscale, single voltage
Function				On delay
<b>Supply circuit</b>				
Rated auxiliary supply voltage $U_s$				380...440VAC
Rated auxiliary supply voltage $U_s$ AC		min	VAC	380
		Max	VAC	440
Rated frequency			Hz	50/60
Operating voltage range				0.85...1.1 $U_s$
Maximum power consumption / dissipation			W	19VA/1.7W
<b>Timing circuit</b>				
Time setting range				0.1s...10min
Setting accuracy			%	< $\pm$ 9
Repeat accuracy			%	< $\pm$ 0.5
Influence of voltage variation			%	< $\pm$ 0.1
Influence of temperature variation			%	< $\pm$ 0.2
Resetting time		During timing	ms	$\geq$ 100
		Elapsed time	ms	$\geq$ 50
<b>Relay outputs</b>				
Number of relays			Nr.	1
Contact arrangement				1 with 2 N/O with common pole
Maximum switching voltage			VAC	250
IEC Conventional free air thermal current $I_{th}$			A	8
UL/CSA and IEC/EN 60947-5-1 designation				B300
<b>Insulation (input-output)</b>				
Rated insulation voltage $U_i$			V	250
Rated impulse withstand voltage $U_{imp}$			kV	4
Power frequency withstand voltage			kV	2
<b>Connections</b>				
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

IEC	max	12...18	
	min	mm <sup>2</sup>	0.2
	max	mm <sup>2</sup>	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%
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Maximum Pollution degree	2	
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Overvoltage category	III	
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**Housing**

Execution (n° of modules)	1	
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Material	Self-extinguishing polyamide	
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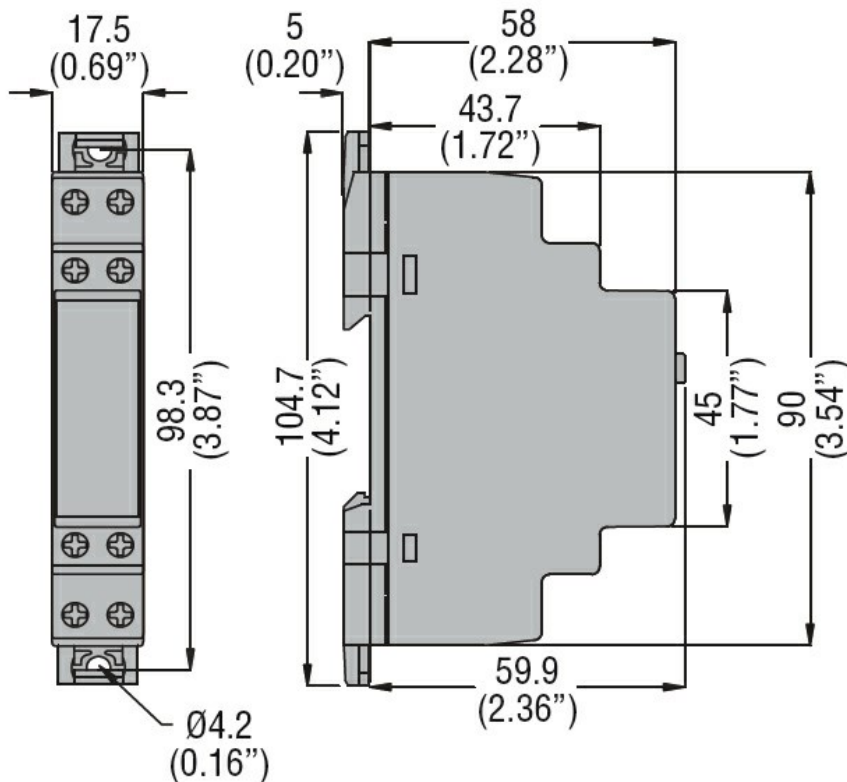
Mounting	DIN rail 35 mm	
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Degree of protection	IP40 on front, IP20 terminals	
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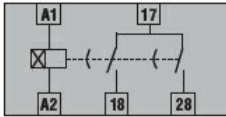
Dimensions (W x H x D)	mm	17.5 x 104.7 x 64.9
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Weight	g	90
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**Dimensions**



**Wiring diagrams**



**Certifications and compliance**

Compliance

CSA C22.2 n°14

IEC/EN 61812-1

UL508

Certificates

CCC

cULus

EAC

**ETIM classification**

ETIM 8.0

EC001439 -  
Timer relay