

Product designation Product type designation Number of DIN modules			Time relay TMP
General characteristics			
Description			On delay time relay, multiscale and multivoltage
Function			On delay
Supply circuit			
Rated auxiliary supply voltage Us			2448VDC; 24240VAC
Rated auxiliary supply voltage Us			
AC			
	min	VAC	24
	Max	VAC	240
DC			0.4
	min	VDC	24
Detect fragmanent	Max	VDC	48
Rated frequency		Hz	50/60 0.851.1 Us
Operating voltage range			1.2VA/0.8W
Maximum power consumption / dissipation		W	(2448VAC/DC), 16VA/0.9W (110240VAC)
Immunity time for microbreakings		ms	≤50
Timing circuit			
Time setting range			0.1s10days
Setting accuracy		%	<±9
Repeat accuracy		%	<±0.1
Influence of voltage variation		%	<±0.1
Influence of temperature variation		%	<±0.2
Resetting time During Elapse	-	ms ms	≥100 ≥50
Relay outputs			
Number of relays		Nr.	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			



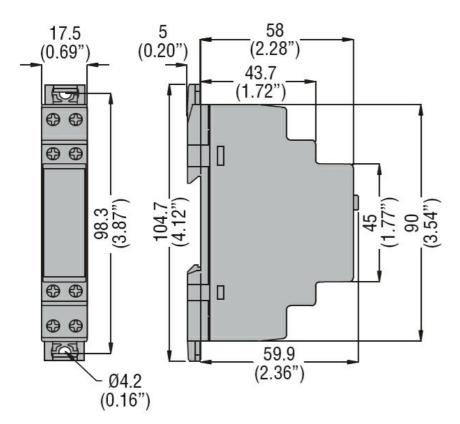
ON DELAY TIME RELAY, MULTISCALE, MULTIVOLTAGE, MODULAR VERSION, 24...48VDC, 24...240VAC

Tightening torque (Max) Tightening torque Max Nm 0.8 Tightening torque Max Ibin 7.79 UL Conductor section AWG/Kcmil min 2412 max 1218 1218 IEC min mm² 4 Operations amax 1218 1218 Vechanical life cycles 3000000 10000 Ambient conditions cycles 3000000 10000 Ambient conditions cycles 3000000 10000 Storage temperature min °C -20 max °C +60 10000 Storage temperature min °C -30 Maximum Pollution degree 2 2 2 Divervoltage category III 11 Hounting Self-extinguishing polyamide 11 Operation (n° of modules) 1 11 Operation (n° of modules) 1 11 Operation (n° of modules) 1 11					
Tightening torque Max Tightening torque Max Nm 0.8 Ibin 7/79 UL Conductor section AWG/Kcmil min 2412 max 1218 IEC min mm² 0.2 max 0.2 max Operations cycles 3000000 0 Electrical life (with rated load) cycles 10000 0 Ambient conditions cycles 100000 0 Premperature Operating temperature min °C -20 Storage temperature min °C -30 -2 Overvoltage category III 1 -2 -2 Overvoltage category III -2 -2 -2 Overvoltage category III -2 -2 -2 Overvoltage category III -2	Terminals type				Screw
Tightening torque MaxIbin7 / 79 ULConductor sectionAWG/Kcmilmin2412 max1218IECminmm²0.2 max0.2 maxWechanical lifecycles3000000Electrical life (with rated load)cycles3000000Wechanical lifecycles3000000Temperaturemin°C-20 remeantMin°C-20 remeantCoperating temperatureMin°C-20 remeantTemperatureMin°C-20 remeantMax°C-400Storage temperaturemin°C-30 maxMaximum Pollution degree2Overvoltage categoryIIIHousing Seedico (n° of modules)1Vervoltage categoryIIIMaterialSelf-extinguishing polyamideMaterialSelf-extinguishing polyamideDimensions (W x H x D)mm17.5 x 104.7 x 64.9Mar7.5 x 104.7 x 64.9Mar7.8	Tightening torque (Ma	ax)			
Conductor section AWG/Kcmil min 2412 max 1218 1218 IEC min mm² 0.2 max mm² 4 Operations cycles 3000000 Electrical life (with rated load) cycles 100000 Ambient conditions cycles 100000 Emperature min °C -20 Max °C +60 5 Storage temperature min °C -30 Maximum Pollution degree 2 2 2 Overvoltage category III -4000% 400% Haterial Self-extinguishing polyamide 5 Volunting 0IN rail 35 mm 1 Degree of protection IP40 on front, IP20 terminals 17.5 x 104.7 x 64.9 Weight g 78 44.9					
AWG/Kcmil min 2412 max 12 IEC max 12 max mmn 12 Operations min mm² 4 Operations cycles 3000000 Bechanical life cycles 100000 Electrical life (with rated load) cycles 100000 Ambient conditions cycles 100000 Temperature 0			Tightening torque Max	lbin	7 / 79 UL
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Operations Wechanical life cycles 3000000 Electrical life (with rated load) cycles 100000 Ambient conditions respense 100000 Temperature min °C -20 max °C +60 Storage temperature min °C -30 max °C +80 Relative humidity % <90%			min	mm²	0.2
Mechanical life cycles 3000000 Electrical life (with rated load) cycles 10000 Ambient conditions			max	mm²	4
Electrical life (with rated load) cycles 100000 Ambient conditions Femperature min °C -20 Max °C +60 -20 max °C +60 Storage temperature min °C -30 max °C +80 Relative humidity % <90%	Operations				
Ambient conditions imin °C -20 Temperature min °C -20 max °C +60 Storage temperature min °C -30 max °C +80 Relative humidity % <90%	Mechanical life			cycles	3000000
Image: Temperature Operating temperature min °C -20 max °C +60 Storage temperature min °C -30 max °C +80 Relative humidity % <90%	Electrical life (with rat	ed load)		cycles	100000
Operating temperaturemin $^{\circ}C$ $^{\circ}20$ -20 max $^{\circ}C$ $^{\circ}60$ Storage temperaturemin $^{\circ}C$ $^{\circ}C$ $^{\circ}60$ Max Maximum Pollution degree% $^{\circ}90\%$ Quervoltage category% $^{\circ}90\%$ Housing1 $^{\circ}100\%$ Execution (n° of modules)1MaterialSelf-extinguishing polyamideMountingDIN rail 35 mmDegree of protectionIP40 on front, IP20 terminalsDimensions (W x H x D)mm $^{\circ}17.5 x 104.7 x \\ 64.9$ Weightg78	Ambient conditions				
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Storage temperaturemin°C-30max°C+80Relative humidity%<90%			min	°C	-20
min max°C °C-30 +80Relative humidity%<90%			max	°C	+60
max°C+80Relative humidity%<90%		Storage temperature			
Relative humidity%<90%Maximum Pollution degree2Overvoltage categoryIIIHousing1Execution (n° of modules)1MaterialSelf-extinguishing polyamideMountingDIN rail 35 mmDegree of protectionIP40 on front, IP20 terminalsDimensions (W x H x D)mmWeightg78			min	°C	-30
Maximum Pollution degree2Overvoltage categoryIIIHousing1Execution (n° of modules)1MaterialSelf-extinguishing polyamideMountingDIN rail 35 mmDegree of protectionIP40 on front, IP20 terminalsDimensions (W x H x D)mmWeightg78			max	°C	+80
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Housing 1 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 Weight g 78	Maximum Pollution de	egree			2
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ViaterialpolyamideMountingDIN rail 35 mmDegree of protectionIP40 on front, IP20 terminalsDimensions (W x H x D)mmWeightg78	Execution (n° of mod	ules)			1
ViaterialpolyamideMountingDIN rail 35 mmDegree of protectionIP40 on front, IP20 terminalsDimensions (W x H x D)mmWeightg78	Matarial				Self-extinguishing
Degree of protectionIP40 on front, IP20 terminalsDimensions (W x H x D)mm $17.5 \times 104.7 \times 64.9$ Weightg78	Material				
Degree of protection IP20 terminals Dimensions (W x H x D) mm 17.5 x 104.7 x 64.9 Weight g 78	Mounting				
Dimensions (W X H X D) mm 64.9 Weight g 78	Degree of protection				
	Dimensions (W x H x	D)		mm	
Dimensions [mm (in)]	Weight			g	78
	Dimensions [mm (in)]				

TMP



ON DELAY TIME RELAY, MULTISCALE, MULTIVOLTAGE, MODULAR VERSION, 24...48VDC, 24...240VAC



Wiring diagrams



Certifications and compliance					
Compliance					
	CSA C22.2 n°14				
	IEC/EN 61812-1				
	UL508				
Certificates					
	000				
	cULus				
	EAC				
ETIM classification					
		EC001/39 -			

ETIM 8.0

EC001439 -Timer relay