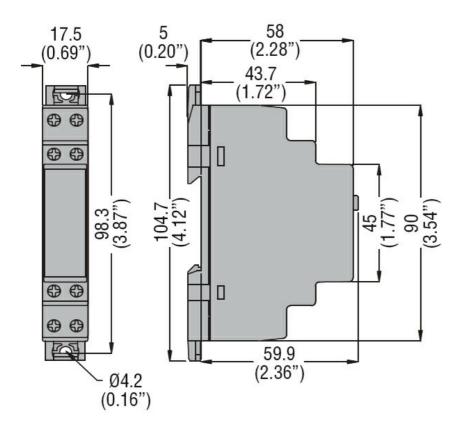


Description and multivoltage output and multivoltage output Function Multifunction Supply official Rated auxiliary supply voltage Us AC Min VAC 12 Max VAC 240 Commin VAC 12 Max VAC 240 Rated frequency Hz 50/60 Operating voltage range 0,85,11 Us 0,68/A/0,3W Maximum power consumption / dissipation W (110240/AC/DC), 1.6VA/1.2W (110240/AC/DC), 1.6VA/	Product designation Product type designation Number of DIN modules General characteristics			Time relay TMM1 1 Multifunction time relay, multiscale
Function Multifunction Supply circuit Image: Supply voltage Us Rated auxiliary supply voltage Us Image: Supply voltage Us AC Image: Supply voltage Us Image: Supply voltage Us Image: Supply voltage Us AC Image: Supply Voltage Us Image: Supply voltage Transport Image: Supply Voltage Us Rated frequency Hz 50/60 Operating voltage range 0.65//v0.3W Maximum power consumption / dissipation W (1248\/AC/DC), 1.6\/AV1.2W Immunity time for microbreakings ms ≤25 Timing edireut Image: Supply Voltage Vo	Description			time relay, 1 relay
Supply circuit 12240VAC/DC Rated auxiliary supply voltage Us 12240VAC/DC AC min VAC 12 Max VAC 240 DC min VDC 12 Max VDC 240 Rated frequency Hz 50/60 Operating voltage range 0.851.1 Us Operating voltage range 0.851.1 Us Maximum power consumption / dissipation W (1248VAC/DC) Immunity time for microbreakings ms ≤25 11 Timing effect 0.1s10days 25 Repeat accuracy % <40.1	Function			
Rated auxiliary supply voltage Us 12240VAC/DC Rated auxiliary supply voltage Us AC AC min VAC 12 Max VAC 240 DC min VDC 12 Max VDC 240 Operating voltage range 0.4551.1 Us 0.60VA/0.3W Operating voltage range 0.64X/0.3W (1248VAC/DC), 16VA/1.2W Maximum power consumption / dissipation W (16.VA/1.2W (110240VAC/DC), 16VA/1.2W Immunity time for microbreakings ms< \$25				
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 0.851.1 Us 0.6VA/0.3W Maximum power consumption / dissipation W (1248VAC/DC), 1.6VA/1.2W Immunity time for microbreakings ms \$25 Timing circuit 0.1s10days Setting accuracy Repeat accuracy % <40.5				12240VAC/DC
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$\begin{tabular}{ c c c c c } \hline DC & min & VDC & 12 \\ \hline Max & VDC & 240 \\ \hline Max & VDC & 12 \\ \hline Solution & Hz & 50/60 \\ \hline Operating voltage range & 0.851.1 Us \\ \hline 0.68VA/0.3W \\ (1248VAC/DC), \\ 1.6VA/1.2W \\ (110240VAC/DC) \\ \hline Infung circuit & ms & $225 \\ \hline Iming circuit & 0.1510days \\ \hline Setting accuracy & \% & $4:9$ \\ \hline Repeat accuracy & \% & $4:9$ \\ \hline Repeat accuracy & \% & $4:9$ \\ \hline Repeat accuracy & \% & $4:0.5$ \\ Influence of voltage variation & $\%$ & $4:0.5$ \\ Influence of temperature variation & $\%$ & $4:0.1$ \\ Influence of temperature variation & $\%$ & $4:0.2$ \\ \hline External command input & $$$ \\ \hline Resetting time & $$$ \\ \hline Resetting time & $$$ \\ \hline Resetting time & $$$ \\ \hline Munimum ON time & $$$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $		min	VAC	12
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		Max	VAC	240
MaxVDC240Rated frequencyHz50/60Operating voltage range0.851.1 UsOperating voltage range0.851.1 UsMaximum power consumption / dissipation0.151 UsMaximum power consumption / dissipation0.1248VAC/DC), 1.6VA1.2W (110240VAC/DC)Immunity time for microbreakingsmsSetting arange0.1510daysSetting accuracy%Repeat accuracy%Influence of voltage variation%Influence of otage variation%Influence of temperature variation%Resetting timeWinimum ON time Connenction timeResetting timeDuring timing ms≥100 sResetting timeNr.1Number of relaysNr.1Contact arrangement1 delayed changeoverMaximum switching voltageVAC250IEC conventional free air thermal current lthA8UL/CSA and IEC/EN 60947-5-1 designationB300	DC			
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Influence of voltage variation % <±0.1				
Influence of temperature variation % <±0.2				
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$\begin{array}{c c} & During timing & ms & \geq 100 \\ & Elapsed time & ms & \geq 50 \end{array}$ Relay outputs Number of relays Nr. Outract arrangement 1 delayed changeover Maximum switching voltage VAC IEC Conventional free air thermal current Ith A UL/CSA and IEC/EN 60947-5-1 designation B300	Resetting time	Conneriedon dine		permanent
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Maximum switching voltageVAC250IEC Conventional free air thermal current IthA8UL/CSA and IEC/EN 60947-5-1 designationB300	Contact arrangement			-
IEC Conventional free air thermal current IthA8UL/CSA and IEC/EN 60947-5-1 designationB300	Maximum switching voltage		VAC	
			А	8
Insulation (input-output)	UL/CSA and IEC/EN 60947-5-1 designation			B300
	Insulation (input-output)			

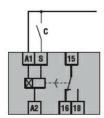


Deted inculation voltage LU		V	250
Rated insulation voltage Ui Rated impulse withstand voltage Uir		kV	250 4
Power frequency withstand voltage		kV kV	2
Connections		ĸv	2
Terminals type			Screw
Tightening torque (Max)			Sciew
rightening torque (Max)	Tightening torque Max	Nm	0.8
	Tightening torque Max	lbin	0.8 7 / 79 UL
Conductor section			7779 OL
AWG/Kcmi			
Awg/Kcmi	min		2412
			1218
	max		1210
IEC		····· ···· · · · · · · · · · · · · · ·	0.0
	min	mm²	0.2
Operations	max	mm²	4
Operations			0000000
Mechanical life		cycles	3000000
Electrical life (with rated load)		cycles	100000
Ambient conditions			
Temperature			
Operating t	perature		
	min	°C	-20
	max	°C	+60
Storage ter	erature		
	min	°C	-30
	max	°C	+80
Relative humidity		%	<90%
Maximum Pollution degree			2
Overvoltage category			
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	86
Dimensions		-	





Wiring diagrams



Certifications and	compliance	
Compliance		
	CSA C22.2 n°14	
	IEC/EN 61812-1	
	UL508	
Certificates		
	cULus	
	EAC	
ETIM classification	1	
ETIM 8.0		EC001439 -

Timer relay