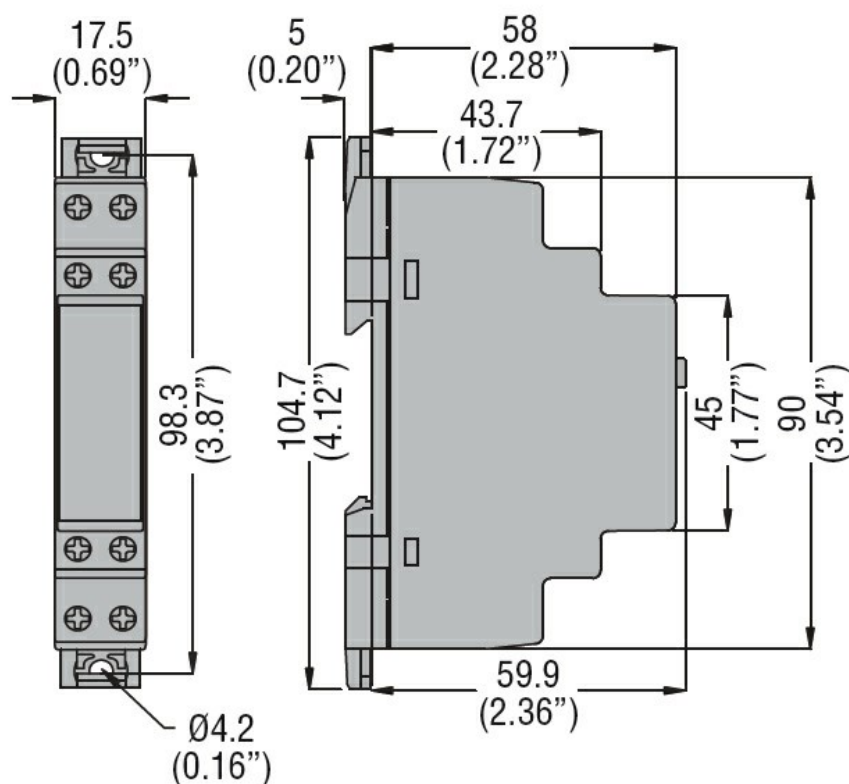


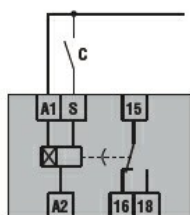


Product designation	Time relay		
Product type designation	TMM1NFC		
Number of DIN modules	1		
General characteristics			
Description	Multifunction time relay, programmable with NFC, multiscale and multivoltage		
Function	Multifunction		
Supply circuit			
Rated auxiliary supply voltage U_s	12...240VAC/DC		
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	0.1s...999days		
Repeat accuracy	%		<±0.1
Influence of voltage variation	%		<±0.1
Influence of temperature variation	%		<±0.2
External command input	Minimum ON time	ms	25
	Connenction time		permanent
Resetting time	During timing	ms	≥100
	Elapsed time	ms	≥50
Relay outputs			
Number of relays	Nr.		1
Contact arrangement	1 delayed changeover		
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		
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	86
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