



**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
	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
	Connention 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 $I_{th} \leq 40^\circ\text{C}$	A	8
UL/CSA and IEC/EN 60947-5-1 designation	B300	

**Insulation (input-output)**

Rated insulation voltage $U_i$	V	250
Rated impulse withstand voltage $U_{imp}$	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 <sup>2</sup> 0.2
		max	mm <sup>2</sup> 4

### Operations

Mechanical life	cycles	30000000
Electrical life (with rated load)	cycles	100000

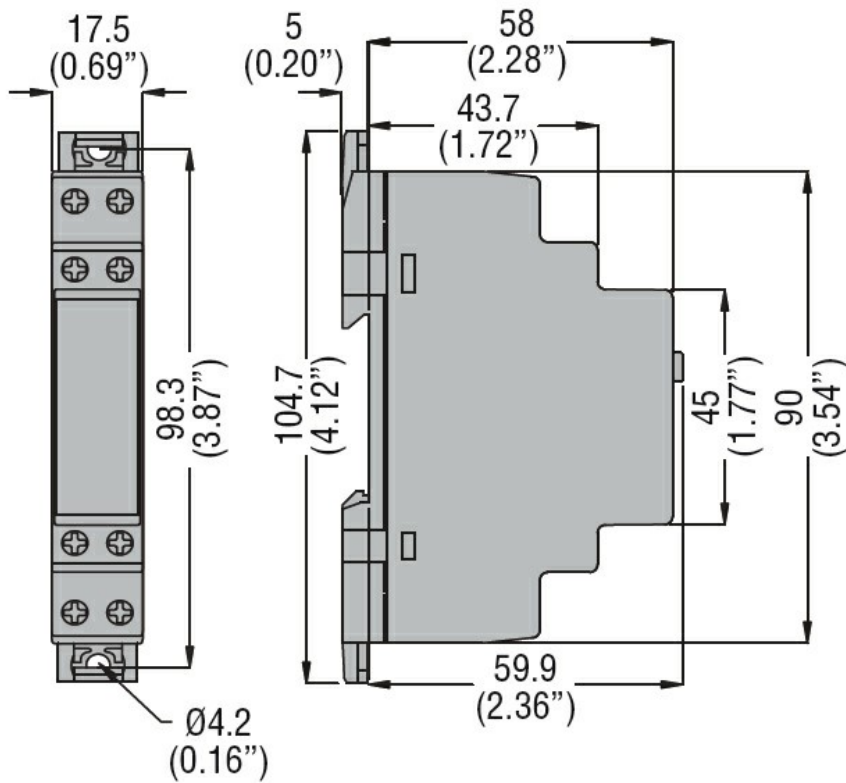
### Ambient conditions

Temperature			
	Operating temperature	min	°C -20
		max	°C +60
	Storage temperature	min	°C -30
		max	°C +80
Relative humidity		%	<90%
Maximum Pollution degree	2		
Overvoltage category	III		

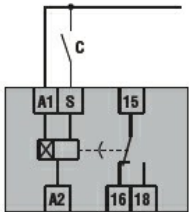
### Housing

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