



**General characteristics**

Description	Multifunction time relay, multiscale and multivoltage, 2 relay outputs		
Function	Multifunction		
<b>Supply circuit</b>			
Rated auxiliary supply voltage Us	12...240VAC/DC		
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	0.85...1.1 Us		
Maximum power consumption / dissipation	W	1.1VA/0.8W (12...48VAC/DC), 1.8VA/1.2W (110...240VAC/DC)	
Immunity time for microbreakings	ms	≤15	
<b>Timing circuit</b>			
Time setting range	0.1s...10days		
Setting accuracy	%	<±9	
Repeat accuracy	%	<±0.2	
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
<b>Relay outputs</b>			
Number of relays	Nr.	2	
Contact arrangement	1 inst./delayed N/O + 1 delayed C/O		
Maximum switching voltage	VAC	250	
IEC Conventional free air thermal current Ith ≤ 40°C	A	8	
UL/CSA and IEC/EN 60947-5-1 designation	B300		
<b>Insulation (input-output)</b>			
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	lbin	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

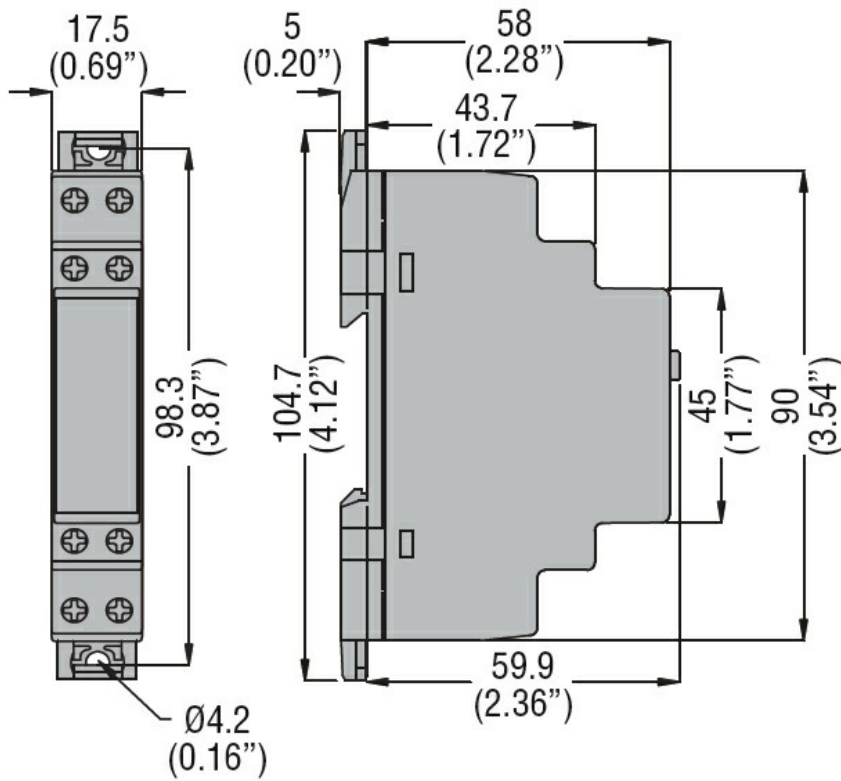
**Ambient conditions**

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		

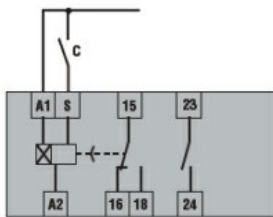
**Housing**

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	94	

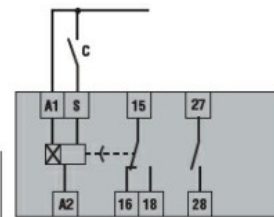
**Dimensions**



**Wiring diagrams**



With instantaneous operation programmed



With delayed operation programmed



**Certifications and compliance**

**Compliance**

- CSA C22.2 n°14
- IEC/EN 61812-1
- UL508

**Certificates**

- cULus
- EAC

**ETIM classification**

ETIM 8.0

EC001439 -  
Timer relay