

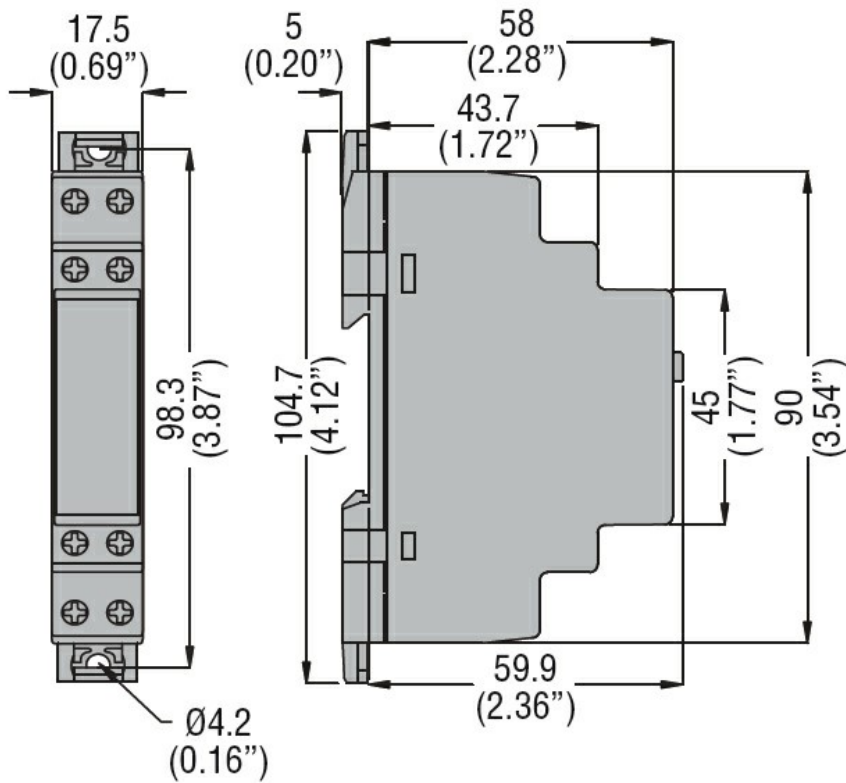


General characteristics

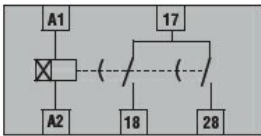
Description	Time relay for star-delta starting, multiscale and multivoltage		
Function	Star-delta		
Supply circuit			
Rated auxiliary supply voltage U_s	24...48VDC; 24...240VAC		
Rated auxiliary supply voltage U_s AC	min	VAC	24
	Max	VAC	240
	min	VDC	24
	Max	VDC	48
Rated frequency	Hz		50/60
Operating voltage range	0.85...1.1 U_s		
Maximum power consumption / dissipation	W		1.2VA/0.8W (24...48VAC/DC), 16VA/0.9W (110...240VAC/DC);
Immunity time for microbreakings	ms		≤40
Timing circuit			
Time setting range	0.1s...10min		
Setting accuracy	%		<±9
Repeat accuracy	%		<±0.5
Influence of voltage variation	%		<±0.1
Influence of temperature variation	%		<±0.2
Resetting time	During timing	ms	≥100
	Elapsed time	ms	≥50
Relay outputs			
Number of relays	Nr.		1
Contact arrangement	1 with 2 N/O with common pole		
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 lbin 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	90
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