



General characteristics

Description	Time relay for star-delta starting, multiscale		
Function	Star-delta		
Supply circuit			
Rated auxiliary supply voltage U_s	380...440VAC		
Rated auxiliary supply voltage U_s AC	min	VAC	380
	Max	VAC	440
Rated frequency		Hz	50/60
Operating voltage range	0.85...1.1 U_s		
Maximum power consumption / dissipation		W	19VA/1.7W (380...440VAC)
Immunity time for microbreakings		ms	≤30
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	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

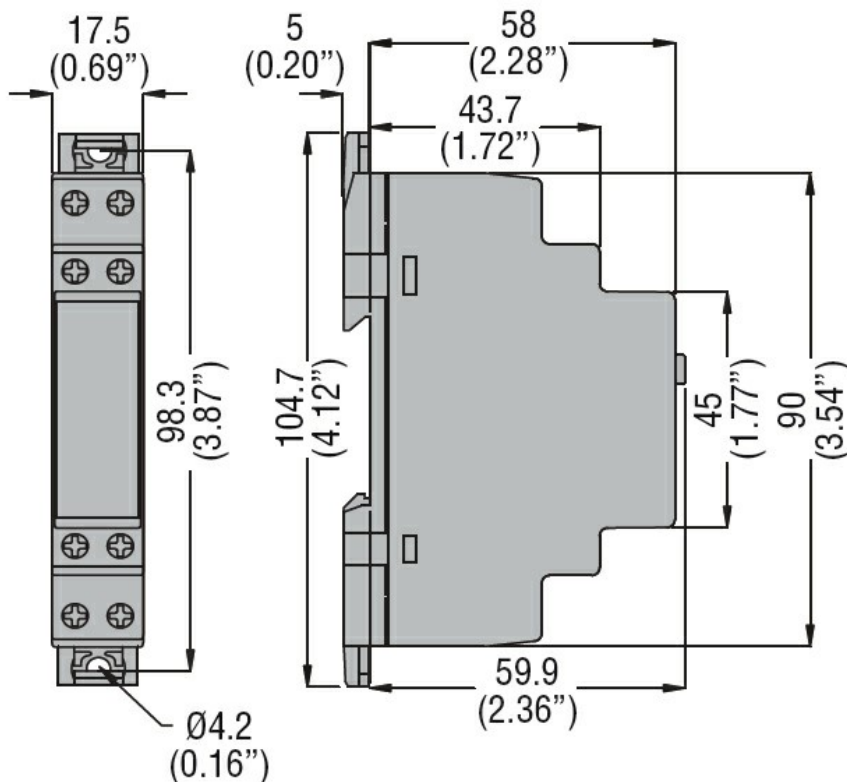
Dimensions (W x H x D)

mm 17.5 x 104.7 x 64.9

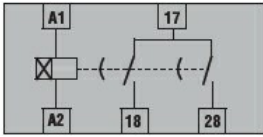
Weight

g 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