



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 Max	VAC VAC	24 240
DC	min Max	VDC VDC	24 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 Elapsed time	ms ms	≥100 ≥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 mm² 0.2
max mm² 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

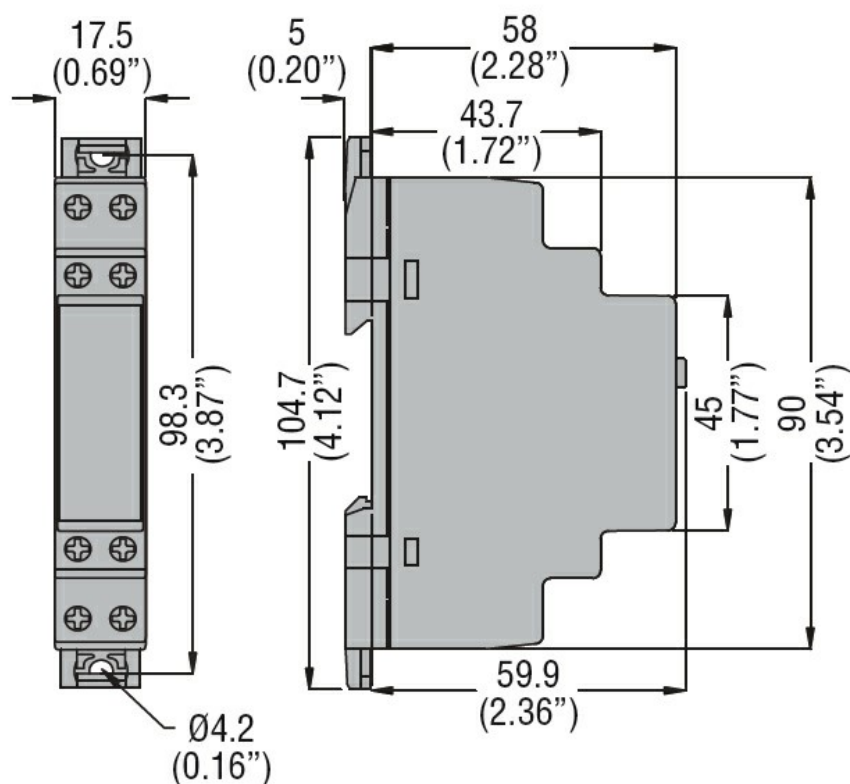
Mounting DIN rail 35 mm

Degree of protection IP40 on front, IP20 terminals

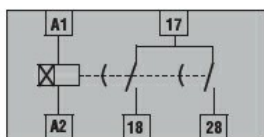
Dimensions (W x H x D) mm 17.5 x 104.7 x 64.9

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