



General characteristics

Description			Time relay for star-delta starting, multiscale			
Function			Star-delta			
Supply circuit						
Rated auxiliary supply voltage Us			380...440VAC			
Rated auxiliary supply voltage Us AC			min	VAC	380	
			Max	VAC	440	
Rated frequency			Hz		50/60	
Operating voltage range					0.85...1.1 Us	
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 Ith ≤ 40°C			A		8	
UL/CSA and IEC/EN 60947-5-1 designation					B300	
Insulation (input-output)						
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 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%
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Maximum Pollution degree		2
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Overvoltage category		III
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Housing

Execution (n° of modules)		1
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Material		Self-extinguishing polyamide
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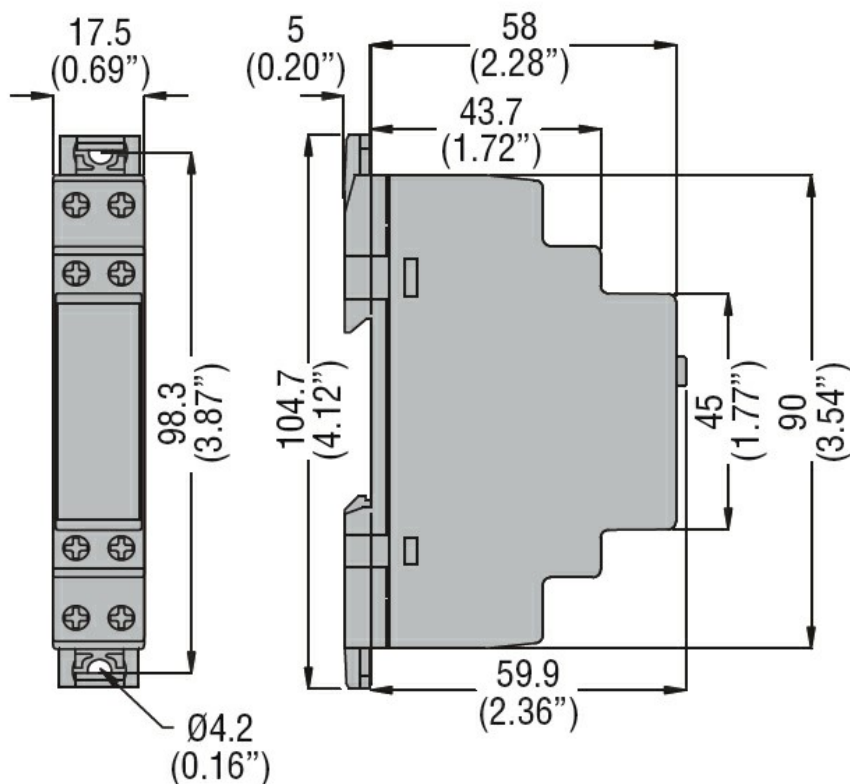
Mounting		DIN rail 35 mm
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Degree of protection		IP40 on front, IP20 terminals
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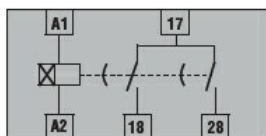
Dimensions (W x H x D)	mm	17.5 x 104.7 x 64.9
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Weight	g	90
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Dimensions



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