TIME RELAY FOR STARTING, MULTISCALE, MULTIVOLTAGE, MODULAR VERSION, 24-48VDC, 24...240VAC



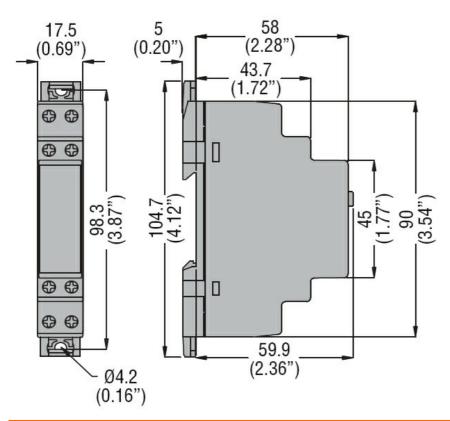
Product designation		Time relay
Product type designation		TMST
Number of DIN modules		1
General characteristics		
Control and determined		Time relay for
Description		star-delta starting,
Description		multiscale and
		multivoltage
Function		Star-delta
Supply circuit		
Rated auxiliary supply voltage Us		2448VDC;
Nated auxiliary supply voltage os		24240VAC
Rated auxiliary supply voltage Us		
AC		
min	VAC	24
Max	VAC	240
DC		_
min	VDC	24
Max	VDC	48
Rated frequency	Hz	50/60
Operating voltage range		0.851.1 Us
		1.2VA/0.8W
Maximum power consumption / dissipation	W	(2448VAC/DC),
Maximum power consumption / dissipation	VV	1.6VA/0.9W
		(110240VAC/DC)
Immunity time for microbreakings	ms	≤40
Timing circuit		
Time setting range		0.1s10min
Setting accuracy	%	< <u>±</u> 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
Contact arrangement		common pole
Maximum switching voltage	VAC	250
IEC Conventional free air thermal current Ith	Α	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

ENERGY AND AUTOMATION

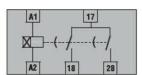
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Connections				
Terminals type				Screw
Tightening torque (Max)				
		Tightening torque Max	Nm	0.8
		Tightening torque Max	Ibin	7 / 79 UL
Conductor section				
	AWG/Kcmil			
		min		2412
		max		1218
	IEC			
		min	mm²	0.2
		max	mm²	4
Operations				
Mechanical life			cycles	3000000
Electrical life (with rated	d load)		cycles	100000
Ambient conditions				
Temperature				
	Operating temperature		0.0	00
		min	°C °C	-20
	Ctara and tarana and true	max	<u> </u>	+60
	Storage temperature	min	°C	-30
		min	°C	+80
Relative humidity		max		<90%
Maximum Pollution deg	Mr.O.O.		/0	2
Overvoltage category	li ee			III
Housing				111
Execution (n° of module	es)			1
•	,			Self-extinguishing
Material				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 [mm (in)]				





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