## ČASOVÉ RELÉ PRO SPOUŠTĚNÍ, VÍCEROZSAHOVÉ, VÍCENAPĚŤOVÉ, MODULÁRNÍ PROVEDENÍ, 24...48VDC, 24...240VAC

	17
- 1	
- 1	100 mm
- 1	
	ne relay
TIV	IST

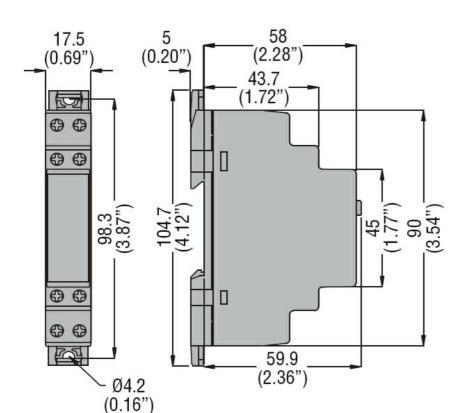
Product designation			Time relay
Product type designation			TMST
Number of DIN modules			1
General characteristics			
			Time relay for
Description			star-delta starting,
Description			multiscale and
			multivoltage
Function			Star-delta
Supply circuit			
Rated auxiliary supply voltage Us			2448VDC;
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 contournputtin, discipation		• •	1.6VA/0.9W
			(110240VAC/DC)
Immunity time for microbreakings		ms	≤40
Timing circuit			
Time setting range			0.1s10min
Setting accuracy		%	< <u>±9</u>
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
		1/40	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** 

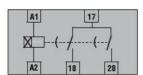
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Connections				
Terminals type				Screw
Tightening torque (Max)				
		Tightening torque Max	Nm	0.8
		Tightening torque Max	Ibin	7 / 79 UL
Conductor section				
,	AWG/Kcmil			
		min		2412
-		max		1218
	EC	_		
		min	mm²	0.2
		max	mm²	4
Operations				
Mechanical life			cycles	30000000
Electrical life (with rated l	oad)		cycles	100000
Ambient conditions				
Temperature				
•	Operating temperature		°C	-20
		min	°C °C	-20 +60
-	Storage temperature	max		+00
•	Storage temperature	min	°C	-30
		max	°C	+80
Relative humidity		max	<u> </u>	<90%
Maximum Pollution degre			70	2
Overvoltage category				III
Housing				
Execution (n° of modules	5)			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				





## 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