



Product designation		Time relay		
Product type designation		TMAST		
Number of DIN modules		1		
General characteristics				
Description		Astronomical time relay. 1 relay output, with NFC technology and APP, modular version, 220...240VAC		
Function		Astronomical time relay		
Supply circuit				
Rated auxiliary supply voltage Us		220...240VAC		
Rated frequency		Hz	50/60	
Operating voltage range		0.85...1.1 Us		
Maximum power consumption / dissipation		W	7VA/1W	
Immunity time for microbreakings		ms	≤25	
Timing circuit				
Time setting range		0.1s...999days		
Repeat accuracy		%	<±1.0	
Influence of temperature variation		%	<±1.0	
Relay outputs				
Number of relays		Nr.	1	
Contact arrangement		1 delayed N/O		
Maximum switching voltage		VAC	250	
IEC Conventional free air thermal current Ith		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	Ibin	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

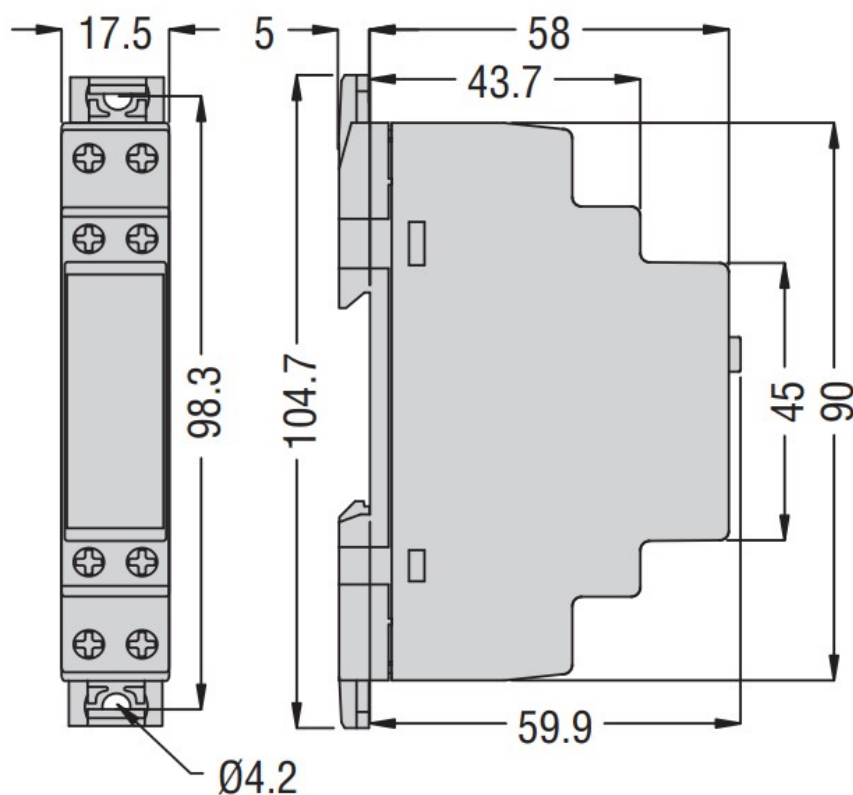
Temperature	Operating temperature	min	°C	-20
		max	°C	+60
	Storage temperature	min	°C	-30
		max	°C	+80

Relative humidity	%	<90%
Maximum Pollution degree		2
Overvoltage category		III

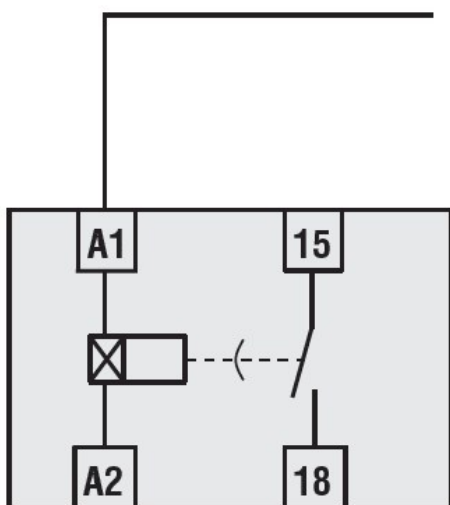
Housing

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	70

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 61812-1

Certificates

CE

EAC

UKCA

ETIM classification

ETIM 8.0

EC001439 -
Timer relay