



Product designation
Product type designation
Number of DIN modules

Time relay
TMAST
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 U_s		220...240VAC
Rated frequency	Hz	50/60
Operating voltage range		0.85...1.1 U_s
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 I_{th}	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	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

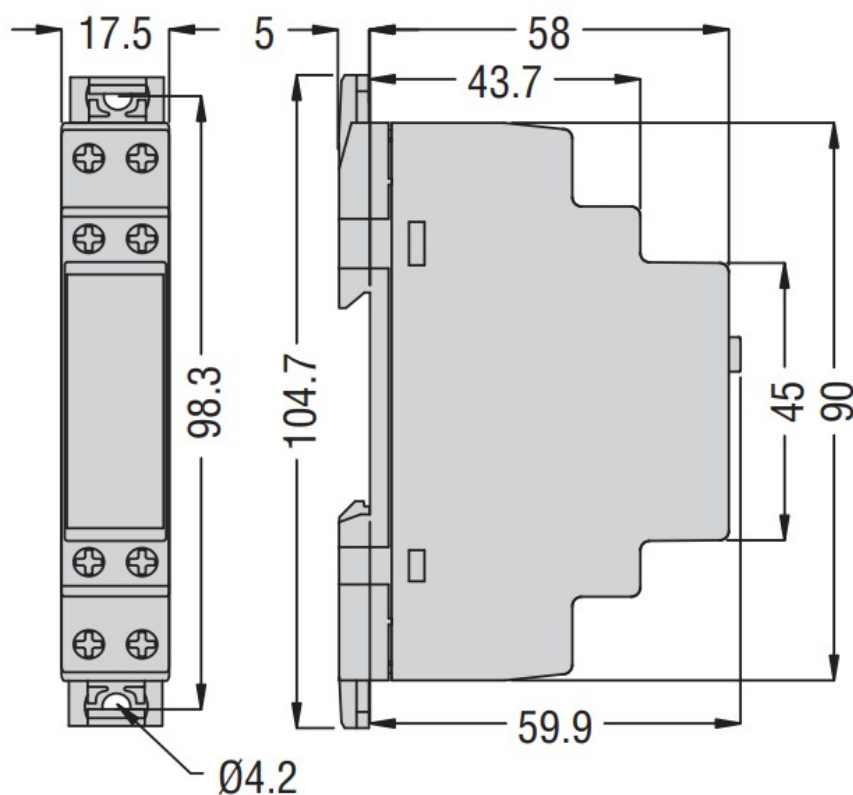
Temperature	Operating temperature	min	°C	-20
		max	°C	+60
Storage temperature		min	°C	-30
		max	°C	+80

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

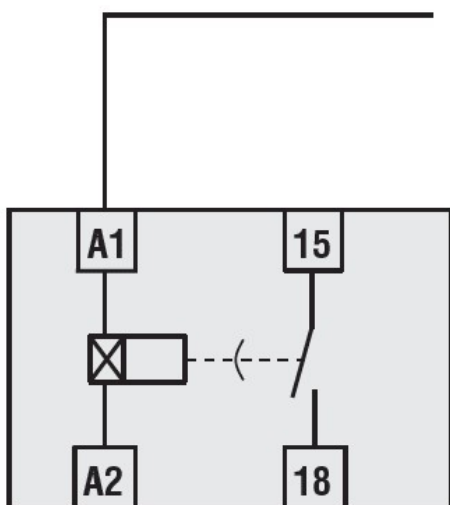
Housing

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)	mm17.5 x 104.7 x 64.9
Weight	g70

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 61812-1

Certificates

CE

EAC

UKCA

ETIM classification

ETIM 8.0

EC001439 -
Timer relay