



Product designation	Time relay		
Product type designation	TMD		
Number of DIN modules	1		
General characteristics			
Description	True off delay time relay, multiscale		
Function	True off delay		
Supply circuit			
Rated auxiliary supply voltage $U_s$	24...240VAC/DC		
Rated auxiliary supply voltage $U_s$ AC	min Max	VAC VAC	24 240
DC	min Max	VDC VDC	24 240
Rated frequency		Hz	50/60
Operating voltage range	0.85...1.1 $U_s$		
Maximum power consumption / dissipation		W	0.1VA/0.1W (24...48VAC/DC), 1.1VA/0.8W (110...240VAC/DC)
Timing circuit			
Time setting range	0.06...180s		
Setting accuracy		%	<±9
Repeat accuracy		%	<±0.5
Influence of voltage variation		%	<±0.1
Influence of temperature variation		%	<±0.2
Minimum power time		ms	≥200
Relay outputs			
Number of relays	Nr.		1
Contact arrangement	1 delayed changeover		
Maximum switching voltage	VAC		250
IEC Conventional free air thermal current $I_{th}$	A		5
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	mm <sup>2</sup>	0.2
max	mm <sup>2</sup>	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

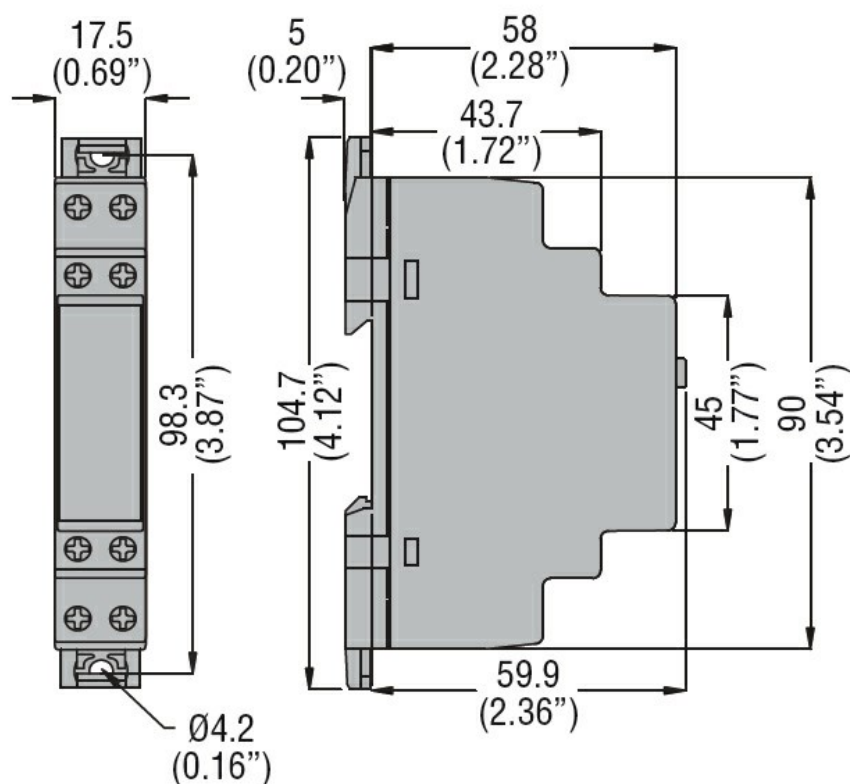
min	°C	-30
max	°C	+80

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

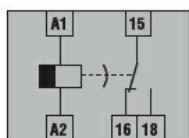
## Housing

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	80

## 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