



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	VAC	24
	Max	VAC	240
DC	min	VDC	24
	Max	VDC	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		%	< \pm 9
Repeat accuracy		%	< \pm 0.5
Influence of voltage variation		%	< \pm 0.1
Influence of temperature variation		%	< \pm 0.2
Minimum power time		ms	\geq 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 ²	0.2
max	mm ²	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
----------	------------------------------

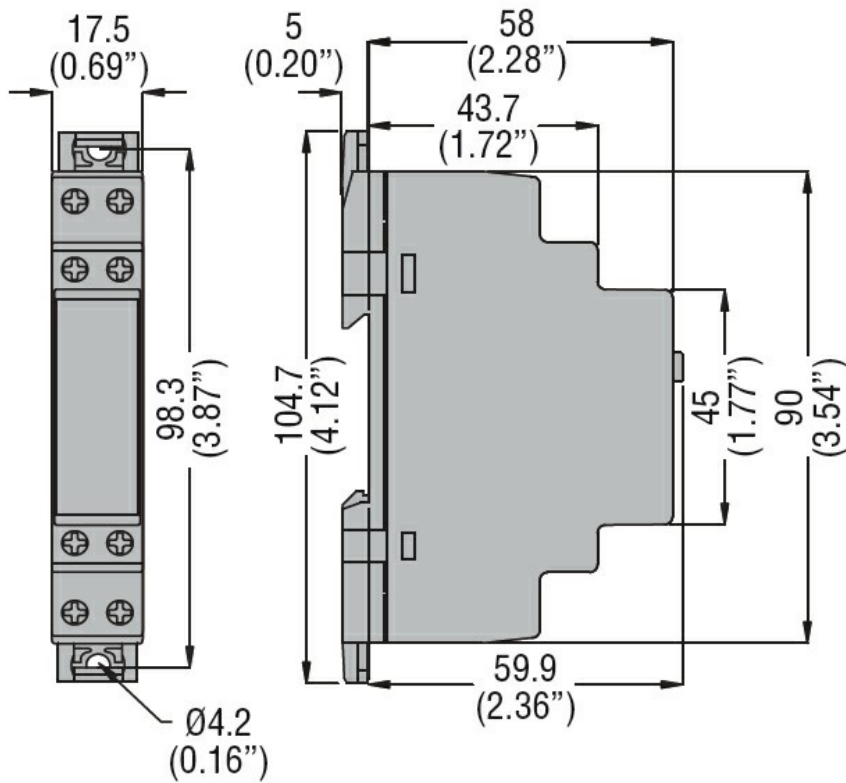
Mounting	DIN rail 35 mm
----------	----------------

Degree of protection	IP40 on front, IP20 terminals
----------------------	----------------------------------

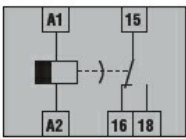
Dimensions (W x H x D)	mm	17.5 x 104.7 x 64.9
------------------------	----	------------------------

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