



Product designation	Time relay		
Product type designation	TMD		
Number of DIN modules	1		
<b>General characteristics</b>			
Description	True off delay time relay, multiscale		
Function	True off delay		
<b>Supply circuit</b>			
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)	
<b>Timing circuit</b>			
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	
<b>Relay outputs</b>			
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		
<b>Insulation (input-output)</b>			
Rated insulation voltage $U_i$	V	250	
Rated impulse withstand voltage $U_{imp}$	kV	4	
Power frequency withstand voltage	kV	2	
<b>Connections</b>			
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
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Electrical life (with rated load)	cycles	100000
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**Ambient conditions**

Temperature

Operating temperature

min	°C	-20
max	°C	+60

Storage temperature

min	°C	-30
max	°C	+80

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

Execution (n° of modules)	1
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Material	Self-extinguishing polyamide
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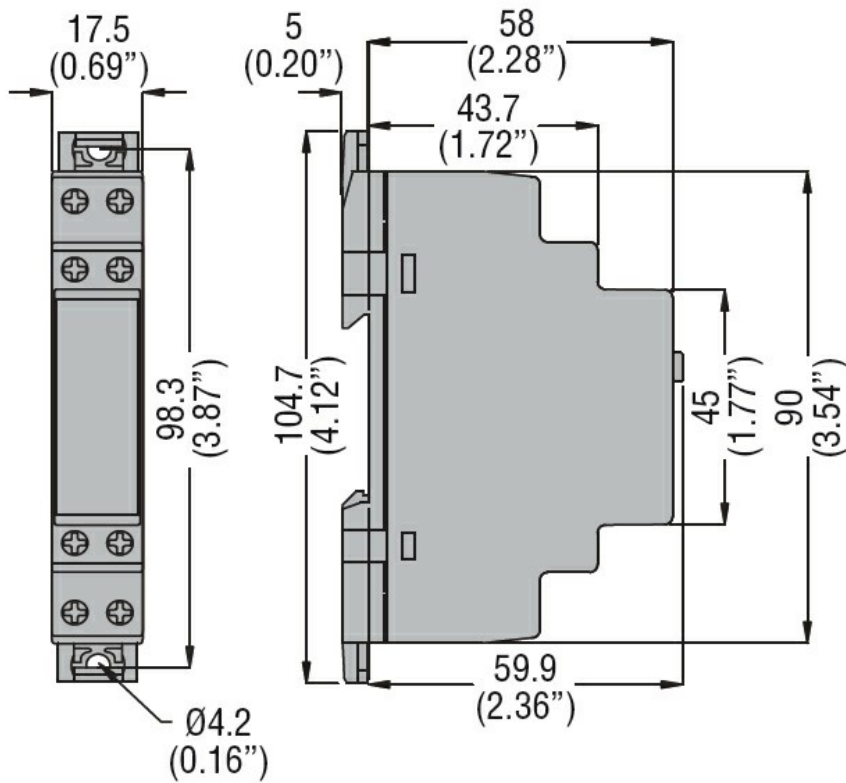
Mounting	DIN rail 35 mm
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Degree of protection	IP40 on front, IP20 terminals
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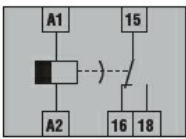
Dimensions (W x H x D)	mm	17.5 x 104.7 x 64.9
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Weight	g	80
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**Dimensions [mm (in)]**



### 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