



Time relay
TMLS
1

Product designation
Product type designation
Number of DIN modules

General characteristics

Description	Time relay for staircase
Function	Staircase lighting

Supply circuit

Rated auxiliary supply voltage U_s	220...240VAC
Rated auxiliary supply voltage U_s AC	
	min VAC 220
	Max VAC 240
Rated frequency	Hz 50/60
Operating voltage range	0.85...1.1 U_s

Maximum power consumption / dissipation	W	Relay de-energised: 5VA/0.5W, relay energised: 12VA/0.8W
Immunity time for microbreakings	ms	≤20

Timing circuit

Time setting range		0.5...20min
Setting accuracy	%	<±9
Repeat accuracy	%	<±0.5
Influence of voltage variation	%	<±0.5
Influence of temperature variation	%	<±0.25
External command input		

	Minimum ON time	ms	≥60
	Connenction time		permanent
Resetting time	During timing	ms	≥100

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	16

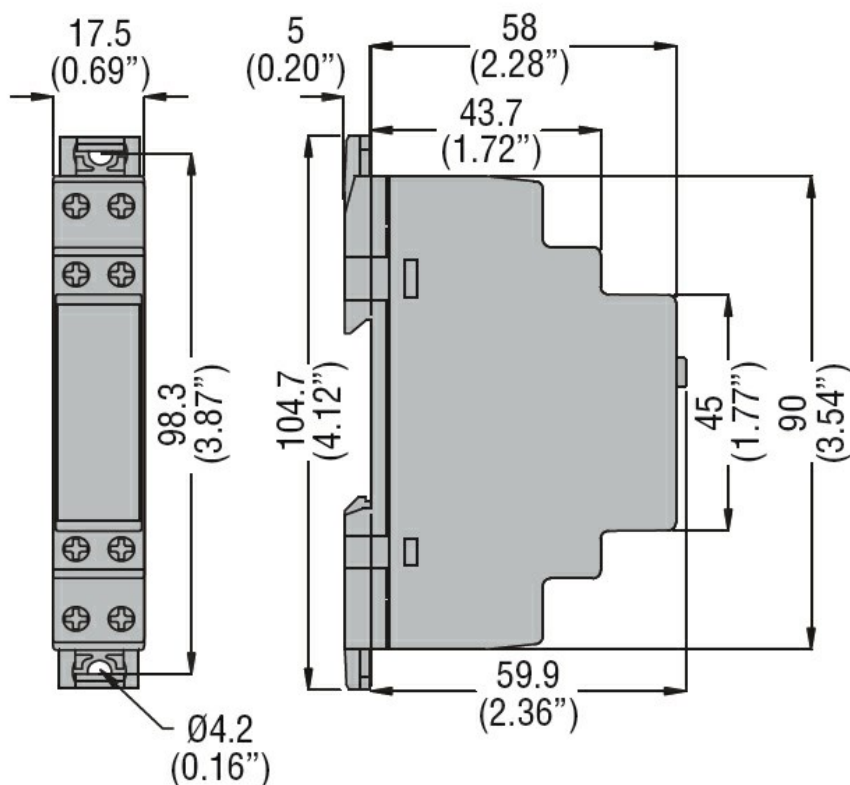
Insulation (input-output)

Rated insulation voltage U_i	V	250
Rated impulse withstand voltage U_{imp}	kV	4
Power frequency withstand voltage	kV	2

Connections

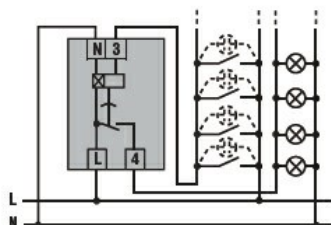
Terminals type		Screw
Tightening torque (Max)	Tightening torque Max	Nm 0.8

		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)				mm	17.5 x 104.7 x 64.9
Weight				g	80
Dimensions					

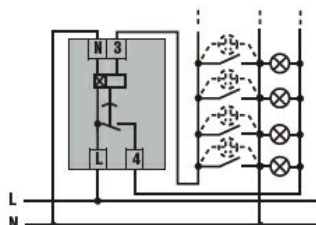


Wiring diagrams

4-wire connection



3-wire connection



Certifications and compliance

Compliance

CSA C22.2 n°14

IEC/EN 61812-1

UL508

Certificates

cULus

EAC

ETIM classification

ETIM 8.0

EC001439 -
Timer relay