



Product designation	Time relay		
Product type designation	TMLS		
Number of DIN modules	1		
General characteristics			
Description	Time relay for staircase		
Function	Timed lighting, cleaning staircase (1 hour lighting and fast switch off), constant lighting,		
Supply circuit			
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			Single scale 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		N°	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	mm ² 0.2
		max	mm ² 4

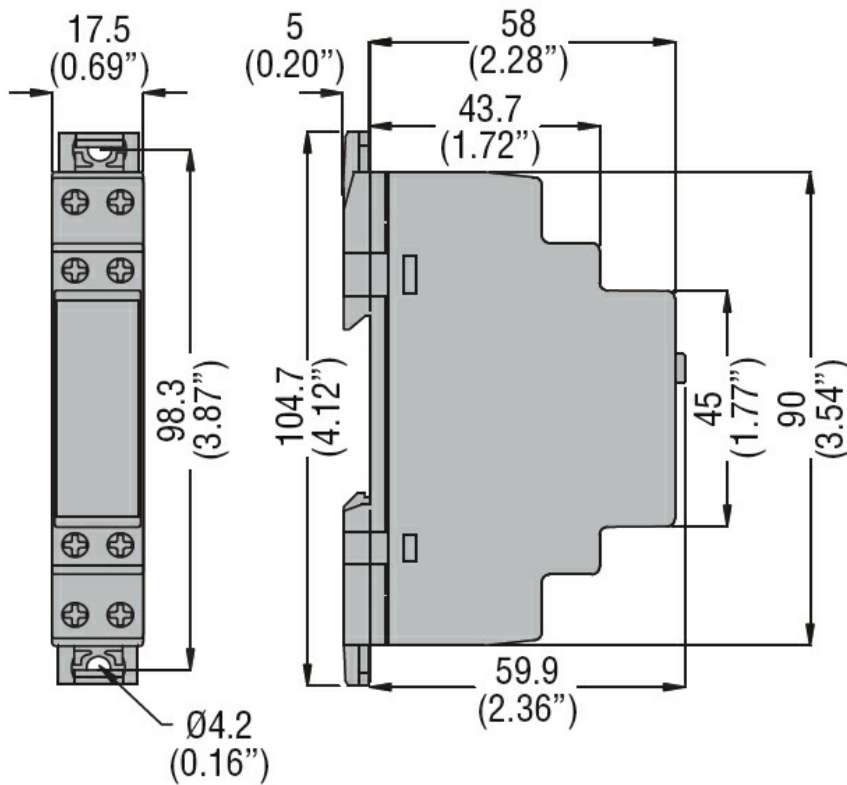
Operations

Mechanical life	cycles	30000000
Electrical life (with rated load)	cycles	100000

Ambient conditions

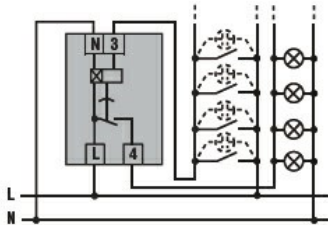
Temperature			
	Operating temperature	min	°C -20
		max	°C +60
	Storage temperature	min	°C -30
		max	°C +80
Relative humidity		%	<90%
Maximum Pollution degree	2		
Overvoltage category	III		
Housing			
Execution (n° of modules)	1		
Material	Self-extinguishing polyamide		
Mounting	DIN rail 35 mm		
Degree 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

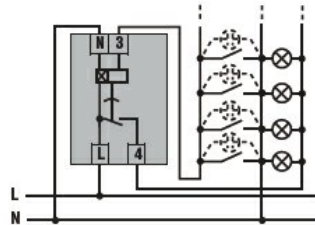


Wiring diagrams

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

EC000297 -
Staircase lighting
timer