



Product designation			Time relay	
Product type designation			TMLS	
Number of DIN modules			1	
General characteristics				
Description			Staircase illumination, Single scale, Single voltage	
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	
Timing circuit				
Time setting range			0.5...20min	
External command input			Minimum ON time	ms ≥60
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	lbin 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

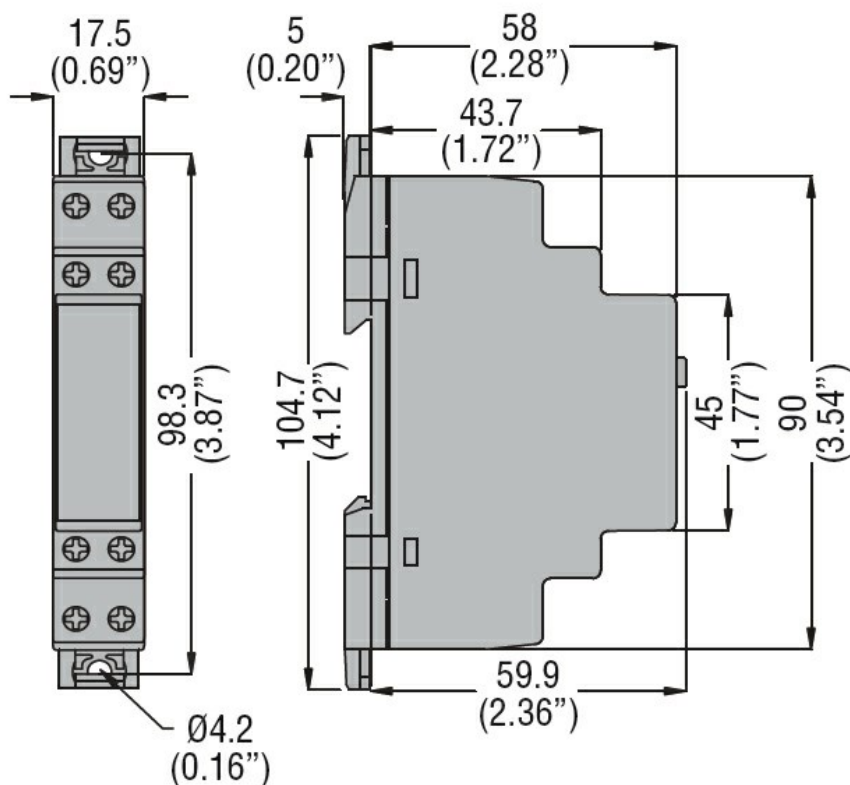
min	°C	-30
max	°C	+80

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

Housing

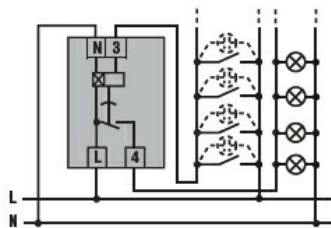
Execution (n° of modules)		1
Material		Self-extinguishing polyamide
Mounting		DIN rail 35 mm
Degree of protection		IP40 on front, IP20 terminals
Dimensions (W x H x D)	mm	17.5 x 104.7 x 64.9
Weight	g	90

Dimensions



Wiring diagrams

4-wire connection



3-wire connection

