



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

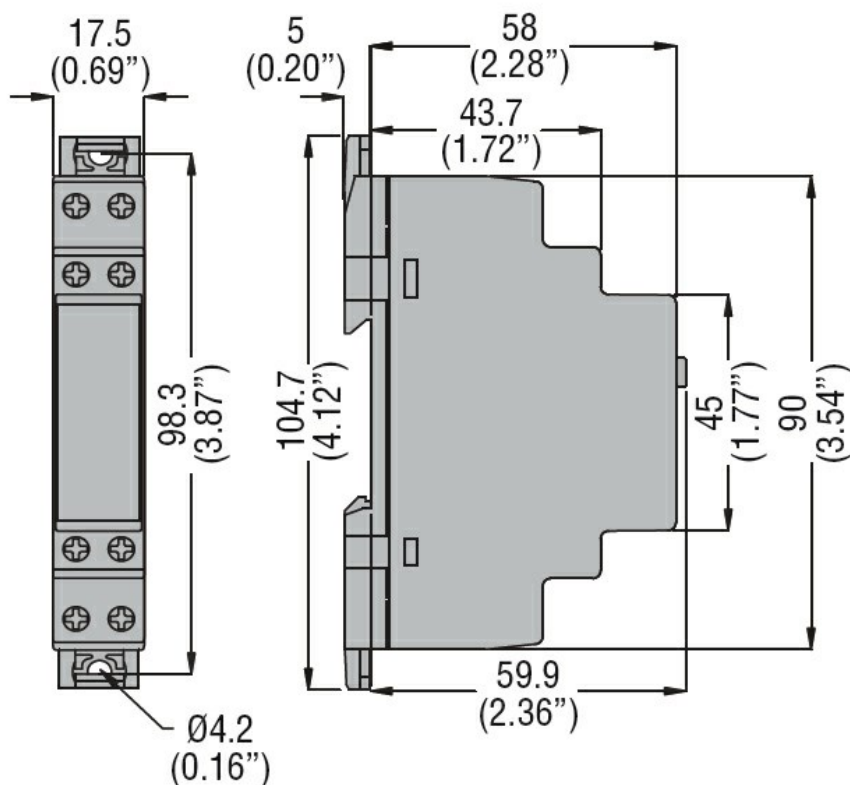
min	°C	-30
max	°C	+80

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

Housing

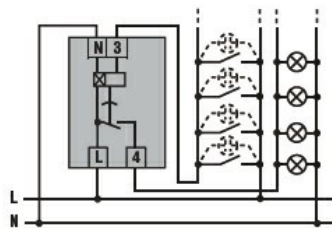
Execution (n° of modules)		1
Material		Self-extinguishing polyamide
Mounting		DIN rail 35 mm
Degree of protection		IP40 on front, IP20 terminals
Dimensions (W x H x D)	mm	17.5 x 104.7 x 64.9
Weight	g	90

Dimensions



Wiring diagrams

4-wire connection



3-wire connection

