



SLTC20-E1

HIGHLIGHTS

- Illuminance measurement (Lux)
- Passive photoresistor sensor
- Lux range : 30kOhm .. 3 kOhm @ 0 .. 800 Lux
- T° range : NTC 20 kOhm

Lux



OUTDOOR

DESCRIPTION

Illuminance sensor SLTC20-E1 measures the intensity of light with a photoresistor and temperature through a passive NTC 20 kOhm sensor. SLTC20-E1 can be used for regulating and controlling lighting and heating systems according to the illumination and temperature of the surroundings.

SLTC20-E1 is housed in an IP54 surface-mounted box for outdoor installation.

TECHNICAL DATA		TYPE
		SLTC20-E1
Power supply	no	
Measuring ranges	illuminance 0...800 lux (30kOhm .. 3kOhm) temperature -50 ...+80 °C	
Sensor elements	fotoreistor (= illuminance) NTC 20 kOhm (= temperature)	
Dimensions	w x h x d 90 x 94 x 44 mm	
Housing	IP 54, cable gland downwards	
Materials	PBT, PC and PA	

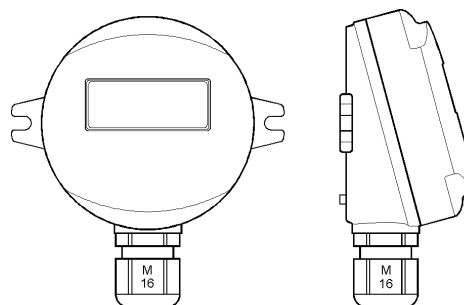
CONNECTIONS

1	lux
2	lux
3	NTC
4	NTC

INSTALLATION

The sensor is to be mounted on the wall by screws, on the place where it is not affected by direct solar radiation or fast changes of illuminance caused by the outdoor lighting or traffic.

DIMENSIONS



Ø 70mm (fixing holes : 2x Ø4,5mm screw, distance 82 mm)

PHOTORESISTOR CHARACTERISTIC

Illuminance Lux	Output kohm
0	30,0
20	20,3
30	17,7
40	15,8
50	14,4
60	13,3
70	12,4
80	11,6
90	10,9
100	10,2
150	8,2
200	6,9
250	6,1
300	5,5
350	5,0
400	4,6
450	4,2
500	4,0
600	3,5
700	3,2
800	3,0