

Twilight switch SOU-1 + sensor



Advantages

- 1-module, DIN rail mounted
- Supply voltage: AC 230 V
- Switches according to level ambient light intensity
- Adjustable time pause to eliminate short-term illumination peaks
- Adjustable level of light intensity in 2 ranges 100-50000 lx and 1-100 lx
- Controlling input for additional control inputs, e.g. time switch
- External sensor, protection degree IP55, suitable for mounting on the wall (supplied by switch)
- Output contact: 1x changeover 16A / AC1
- LED output indication

Twilight switch SOU-1

Type	Code No.	Weight [g]	Packaging [pcs]
SOU-1	002470011	65	1

* Sensor for twilight switch SOU-1 also available separately (code No. 002470052)

Sensor tolerance $\pm 33\%$

Twilight switch with digital time switch SOU-2 + sensor



Advantages

- 2-module, DIN rail mounting
- Supply voltage: AC 230 V
- Adjustable light intensity 1-50000 lx
- Serves for control of lights on the basis of ambient light intensity and real time (combination of SOU-1 and time switch clock SHT-1 in one device)
- The advantage of real time consists in the blocking function of the twilight switch in the case of an uneconomical use of lights (night hours, weekends etc.)
- Function of random switching enables simulation of presence when nobody is in the building
- Switching: according to the program (AUTO) / permanently manual / random (CUBE)
- External sensor IP56 is suitable for mounting on the wall / in panel (cover and sensors are part of delivery)

Twilight switch with digital time switch SOU-2 + sensor

Type	In [A]	Code No.	Weight [g]	Packaging [pcs]
SOU-2 + sensor	16	002470020	130	1

* Sensor for twilight switch SOU-1 also available separately (code No. 002470052)

Sensor tolerance $\pm 33\%$

Twilight switch SOU-1 + sensor

Technical data

Supply	A1-A2
Supply voltage AC 230	230 V AC (50-60 Hz)
Consumption AC 230	max. 12 VA AC / 1,8 W
Supply voltage tolerance	- 15%; + 10%
Supply indication	green LED
Time dwell	0-2 min
Time dwell setting	potentiometer
Measuring range 1)	1-100 Lx
Measuring range 2)	100-50000 Lx

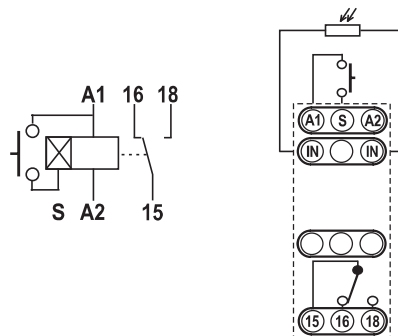
Output

Number of contacts	1xCO
Rated current	16/AC1
Breaking capacity	4000 VA/AC1, 384 W/DC
Inrush current	30 A/<3 s
Switching voltage	250 V AC1/24 V DC
Min. breaking capacity DC	500 mW
Output indication	red LED
Mechanical life	3x10 ⁷
Electrical life	0,7x10 ⁵

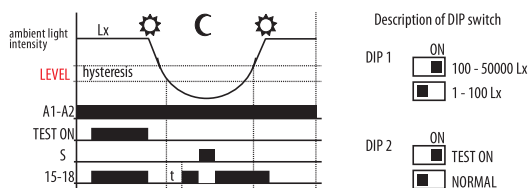
Controlling

Voltage	230 V AC
Consumption of input	0,8-530 mVA
Load between S-A2	yes
Glow-lamps	yes, max. 4 pcs (at 1 ms)
Terminals	A1-S
Impulse length	min. 25 ms/ max. unlimited
Reset time	150 ms
Operating temperature	-20...+55 °C
Storage temperature	-30...+70 °C
Electrical strength	4 kV (supply - output)
Operating position	any
Mounting	DIN rail EN 60715
Protection degree	IP 40 from frontal panel
Connection cable length for sensor	max. 50 m (standard wire)
Overvoltage category	III
Pollution degree	2
Max. cable size	2,5 mm ²
Dimensions	90x17, 6x64 mm
Standards	EN 60255-6, EN 61010-1

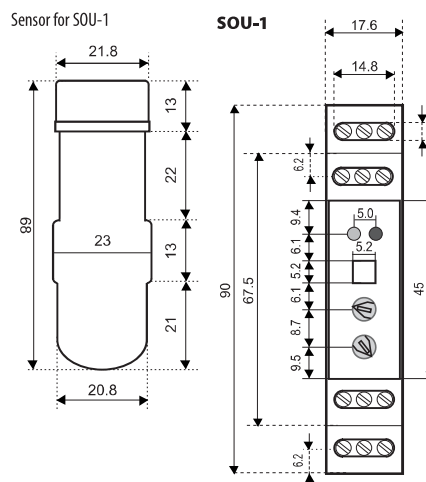
Connection



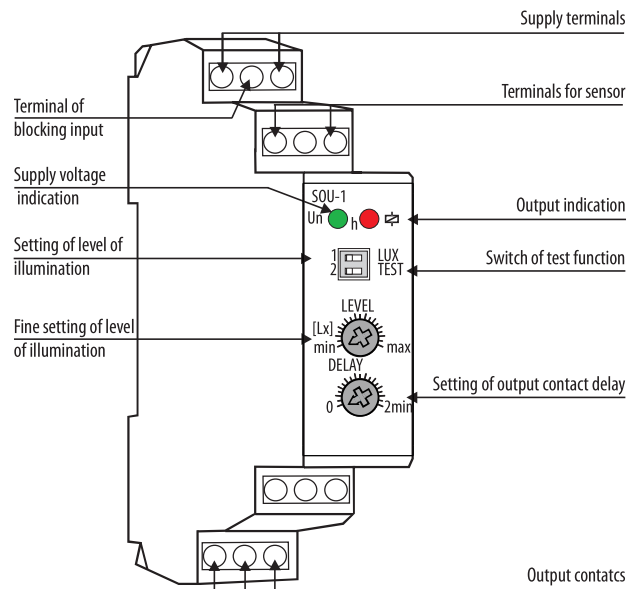
Function



Dimensions



Description



1-module design

