

SOU-3 | Twilight and light switch with integrated sensor in increased protection



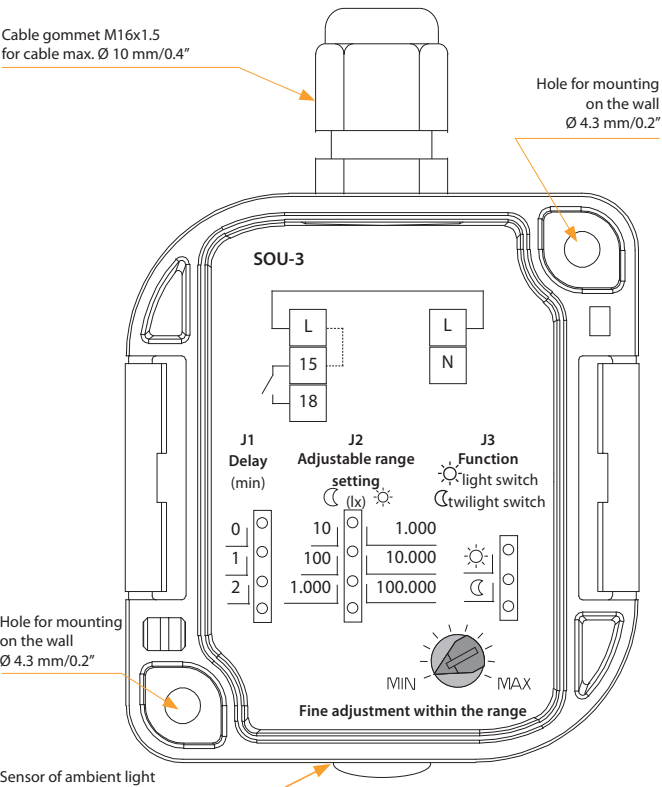
EAN code
 SOU-3/230V: 8595188140560

Technical parameters		SOU-3
Supply		
Supply terminals:		L - N
Voltage range:		AC 230 V (50-60 Hz)
Input (apparent/loss):		max. 6 VA/0.7 W
Max. dissipated power (Un + terminals):		2.5 W
Tolerance of voltage range:		- 15 % to +10 %
Setting the scale level of lighting		by jumper J2
Function ☾ (twilight switch)		
range 1:		1 to 10 lx
range 2:		10 to 100 lx
range 3:		100 to 1.000 lx
Function ☀ (light switch)		
range 1:		100 to 1 000 lx
range 2:		1 000 to 10 000 lx
range 3:		10 000 to 100 000 lx
Setting function		by jumper J3
Level of light-slight:		0.1 to 1 x range
Slight setting of light level:		potentiometer
Time delay t:		0/1 min./2 min.
Delay setting t:		by jumper J1
Output		
Output contact:		1x NO- SPST (AgSnO ₂)
Current rating:		12 A/AC1
Switching output:		3000 VA/AC1, 384 W/DC
Peak current:		30 A/< 3 s
Switched voltage:		250 V AC/24 V DC
Mechanical life:		30.000.000 ops.
Electrical life:		100.000 ops.
Other information		
Operation temperature:		-30 °C to +60 °C (-22 °F to 140 °F)
Storing temperature:		-30 °C to +70 °C (-22 °F to 158 °F)
Dielectric strength:		4 kV (supply-output)
Operation position:		sensor-side down or on the sides
Protection degree:		IP 65
Overvoltage category:		III.
Pollution level:		2
Max. cable size (mm ²):		max. 1x 2.5, max. 2x 1.5/ with sleeve max. 1x 2.5 (AWG 12)
Suggested power-supply cable:		CYKY 3x 2.5 (CYKY 4x 1.5)
Dimensions:		98 x 62 x 34 mm (3.9" x 2.4" x 1.3")
Weight:		117 g (4.1 oz.)
Standards:		EN 60669-1, EN 60669-2-1

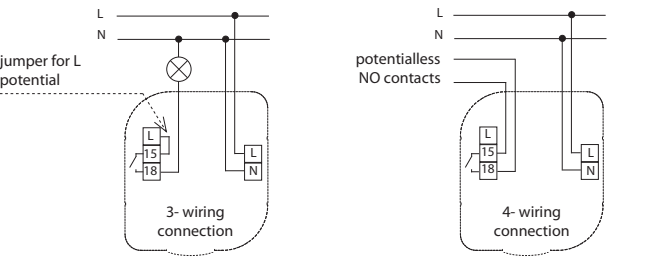
Device is standardly supplied with jumper L-15 (3-wire connection).
 For the correct function of device is necessary sensor-side down device mounting.

- Is used as control of the device on the basis of ambient light intensity.
- External version in IP65, box for mounting on the wall, front cover removable without screws.
- Built in high resolution light sensor.
- Two devices in one, function is set by jumper:
 - twilight switch - contact closes by decreasing of ambient light intensity, and opens by its increasing.
 - light switch - contact closes by increasing ambient light intensity, and opens by decreasing light intensity. Used for switching of devices by reaching of pre-set ambient light level, usually sun shine (pulling down the shutters or blinds, activation of solar panels).
- 3 adjustable levels of time delay (for elimination of short-term fluctuations of light intensity - for short increases in light intensity).

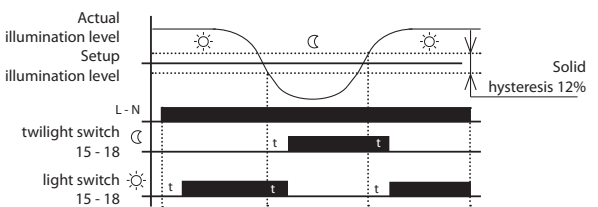
Description



Connection



Function



Stabilized DC switching

Voltage 12 V



PSB-10-12
IN: AC 110-250 V
OUT: DC 12V stabil
LOAD: 0.84 A/10 W
- galvanically separated
- electronic fuse
- thermo protection
- MINI, into an installation
box (such as KU-68).
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PS1M-15/12V
Input: AC 100 - 240 V
output: DC 12 V stable
load: 1.25 A/15 W.
page 70



PS2M-24/12V
Input: AC 100 - 240 V
Output: DC 12 V stable
Load: 2 A/24 W.
page 70



PS3M-54/12V
Input: AC 100-240 V
Output: DC 12V stable
Load: 4.5 A/54 W.
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PS4M-85/12V
Input: AC 100-240 V
Output: DC 12 V stable
Load: 7.1 A/85 W.
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Stabilized DC AC+DC

Nonstabilized AC+DC

Voltage 24 V



PSB-10-24
IN: AC 110-250 V
OUT: DC 24 V stable
LOAD: 0.42A/10W
- galvanically separated
- electronic fuse
- thermo protection
MINI, into an installation
box (such as KU-68).
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PS1M-15/24V
Input: AC 100 - 240 V
Input: DC 24 V stable
load: 0.625 A/15 W.
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PS2M-30/24V
Input: AC 100 - 240 V
Input: DC 24 V stable
load: 1.25 A/30 W.
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PS3M-60/24V
Input: AC 100-240 V
Input: DC 24 V stable
load: 2.5 A/60 W.
page 70



PS4M-92/24V
Input: AC 100 - 240 V
Input: DC 24 V stable
load: 3.83 A/92 W
- electronic fuse.
page 70



ZNP-10-24
IN: AC 230 V
OUT: AC/DC 24V nonstabil
LOAD: 0.4A / 10 VA
- galvanically separated
- fuse
3 MODULE.
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Regulated switching



PS-30-R
IN: AC 100-250 V
OUT: DC 12-24 V
regul., stab.
LOAD: 2.5-1.25A/30W
- galvanically separated
- electronic fuse
- thermo protection
3-MODULE.
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ZSR-30
IN: AC 230 V
OUT: DC 5-24 V reg., stab.
OUT: AC 24 V, DC 24 V
LOAD: 1.6-0.3A/10 VA
- range of incoming
voltage
- current restrictor
- electronic fuse
3 MODULE.
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Nonstabilized AC

Bell transformers



ZTR-8-8
Output voltage 8 V.
Power: 8 W.
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ZTR-8-12
Output voltage
12 V.
Power: 8 W.
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ZTR-15-12
Output voltage 4-8-12 V.
Power: 4 V 5 VA;
8 V 10 VA; 12 V 15 VA.
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