

# TWILIGHT SWITCH



## CONTROL RELAY

### MODEL DESCRIPTION

FRB8 - 01  
 Design number  
 SRB8 Series

### APPLICATIONS

- Used for switching street illumination and garden lights, illumination of advertisements, shop windows, etc.

### FEATURE

- Serves to control lights on the basis of ambient light intensity.
- Level of ambient intensity is monitored by an external sensor and output is switched according to set level on the device.
- Control input for additional control.
- Universal supply AC 110V- 240 V.
- Relay status is indicated by LED.
- 1-MODULE, DIN rail mounting.



### TECHNICAL PARAMETERS

Electrical features	FRB8-01
Function	Twilight switch
Supply terminals	L-N
Rated supply voltage	AC 110V-240V
Rated supply frequency	50/60Hz
Burden	max 2VA
Supply voltage tolerance	-15%;+10%
Illumination rang	1-100Lx
Function	ON-AUTO-OFF
Supply indication	green LED
Tolerance sensor	±35%
Delay time	2min
Sensor cable length	max. 50 m (standard wire)
Output	1×SPDT
Current rating	16A/AC1
Switching voltage	250VAC/24VDC
Min.breaking capacity DC	500mW
Output indication	red LED
Mechanical life	1×10 <sup>7</sup>
Electrical life(AC1)	1×10 <sup>5</sup>
Operating temperature	-20°C to +55°C (-4 °F to 131 °F)
Storage temperature	-35°C to +75°C (-22 °F to 158 °F)
Mounting/DIN rail	Din rail EN/IEC 60715
Protection degree	IP40 for front panel/IP20 terminals
Operating position	any
Overvoltage category	III
Pollution degree	2
Max.cable size(mm <sup>2</sup> )	solid wire max.1×2.5or 2×1.5/with sleeve max.1×2.5(AWG 12)
Dimensions	90×18×64mm
Weight	62g
Standards	EN 60255-1

### FUNCTIONS DIAGRAM

