# Lighting control

## Twilight switches, analogue, DIN-rail




turnus 501 E




turnus 501 A

### Description

The 1-channel turnus 501 twilight switch offers ultimate functionality and allows for individual control concepts in residential, office, commercial and industrial buildings as well as any outdoor setting, delivering a noticeable improvement to energy efficiency at the same time. Thanks to its external brightness sensor, it can deliver accurate control based on the light intensity. The turnus model is ideally suited for use in display windows, billboard lighting or street lighting.

### Product selection

| Brightness setting range | On/off switching delay | Operating voltage | Sensor (included) | Protection rating | Type | Item no. |
|---|---|---|---|---|---|---|
| 2–2000 lx | 20 s/80 s | 230 V AC | Flush fitting light sensor, ball throw tested | IP 20, sensor IP 66 (front), ball throw tested \| IP 40 (back) | turnus 501 E | 18.18.0014.1 |
| | | | Surface-mounted light sensor | IP 20, sensor IP 55 | turnus 501 A | 18.18.0013.1 |

## Technical data

| | turnus 501 |
|---|---|
| Operating voltage | 230 V AC |
| Frequency | 50–60 Hz |
| Standby output | 0.3 W |
| Brightness setting range | 2–2000 lx |
| Switch-on delay | 20 s |
| Switch-off delay | 80 s |
| Type of contact | NO contact |
| Switch output | Floating |
| Width | 1 module |
| Switching capacity | 16 A (at 250 V AC, cos phi = 1), 10 A (fluorescent lamp load) |
| Incandescent/halogen lamp load | 2600 W |
| LED lamp < 2 W (typ.) | 30 W |
| LED lamp > 2 W (typ.) | 350 W |
| Ambient temperature | –30 °C … +55 °C |
| Protection class | II, sensor III |
| Max. line length to sensor | 50 m |

## Connection example

