# CR1DIN (230 Vac)

VJ62300000






Modular twilight switch, 230 Vac, DIN-rail mounted, 1 module, removable external probe, activates output circuit when brightness falls below set threshold, with delay Ton.

## General features

- Active load signaling LEDs
- Sensitivity: adjustable between 1 and 100 lux
- Removable external probe included
- Maximum distance between probe and device: approx. 50 m (twisted cable recommended).
- Red signal LED:
  - Off = relay off, brightness above threshold
  - On = relay on, brightness above threshold
  - Flashing = relay off with brightness below threshold, or relay on with brightness above threshold

## Technical specifications

| | |
|---|---|
| **Power supply** | |
| Power supply | 230 Vac (-15% ÷ +10%) |
| Frequency | 50 / 60 Hz |
| Absorption | 6 (1) VA (W) |
| **Parameter settings** | |
| Differential/Hysteresis | 15% of the threshold |
| **Settings** | |
| Tripping time | 15 seconds (Ton)<br>25 seconds (Toff) |
| Intervention Brightness Range | 1 ÷ 100 lux |
| **Operating conditions** | |
| Operating temperature range | 0 ÷ 50 °C<br>-20 ÷ 50 (external probe) °C |
| Relative humidity | 20% ÷ 90% non-condensing RH |
| Storage temperature range | -25 ÷ 70 °C |
| **Connectable loads** | |
| Incandescent lamps | 2000 W |

Vemer S.p.A. declines all responsibility for the use of the products for purposes other than those for which they are intended, as indicated in the technical documentation. Vemer S.p.A. reserves the right to make, without prior notice, such changes as may, in its sole discretion, improve the technical and functional characteristics of the products and the related production logic. The technical characteristics and images of the products indicated are given for information only and are not binding in any way, since they may be modified without prior notice.



Revision date: 2026-02-02

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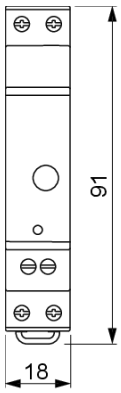
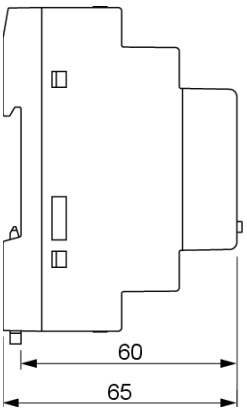
|---|---|
| **Connectable loads** | |
| Fluorescent lamps (neon) | 1000 VA |
| Halogen lamps (230 V) | 2000 W |
| Low Consumption Lamps (CLF) | 200 W |
| LED lamps | 200 W |
| **Outputs** | |
| Relay number | 1 |
| Relay capacity at 250 Vac | 16 (resistive load) A |
| **Terminations** | |
| Termination type | Terminal blocks |
| Maximum cable cross-section | (voltage input) 4 mm²<br>4 (probe input) mm² |
| **Mechanical features** | |
| Protection degree | IP65 |
| **Overall dimensions** | |
| Height (A) | 91 mm |
| Width (B) | 18 mm |
| Depth (C) | 65 mm |

## Dimensions

Front View




Side View

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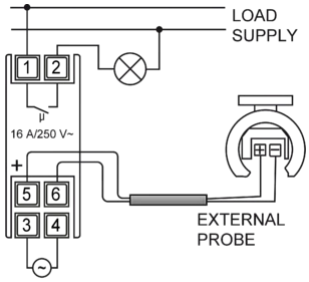
## Wiring diagram




## Model variants

### CR1DIN (12-24V)

Modular DIN-rail twilight switch (1 module)
with removable external probe.

## Accessories compatible with the product

### SIL

VE765700

External light sensor with wall mount

### SIL-AV

VE765800

External light sensor with self-locking plug-in connector

## Reference standards

Compliance with Community Directives:

**• 2014/35/UE (LVD) • 2014/30/UE (EMCD) • 2011/65/UE e 2015/863/UE (ROHS)**

is declared with reference to the following Standards:

**• EN 60669-2-1 • EN IEC 63000**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