



EV102



IP20

Din-rail dimmer 1000W+display

Product Datasheet

Architecture

| | |
|---------------|----------|
| Type of order | Dimmer |
| Fixing mode | Din-Rail |

Functions

| | |
|----------------|---|
| Operating mode | local operating mode: Connection of conventional push-buttons, Slave operating mode: Activation via 1/10 V interface (input signal), Master operating mode: Activation via 1/10 V interface (output signal) |
|----------------|---|

- with slide switch for local/master/slave mode

Controls and indicators

- with 2-digit, 7-segment function channel display

Connectivity

| | |
|---|-----------------------|
| Maximum connection distance to the priority inputs | 50 m |
| Interface | with 1-10 V interface |
| - switching output for disconnection of connected electronic ballasts | |

Main electrical features

| | |
|---------------------------------|-------|
| Rated operational voltage U_e | 230 V |
| Frequency | 50 Hz |

Voltage

| | |
|-------------------|----------------|
| Operating voltage | 230 V~ +/- 10% |
|-------------------|----------------|

Electric current

| | |
|---------------------------------|--------|
| Control current 1-10 V (master) | 50 mA |
| Control current 1-10 V (slave) | 1,5 mA |
| Rated current | 4,5 A |

Length

| | |
|-----------------------------------|-------|
| Max distance to switches | 50 mm |
| Max. Distance of connection 1-10V | 50 mm |

Power

| | |
|------------------------------------|---------------|
| Dimmable conventional transformers | 20... 1000 VA |
| Halogen switching capacity 230V | 20 / 1000 W |
| Power consumed | 6 W |
| Power consumption (operation) | 15 W |
| Power consumption (standby) | 3 W |
| Incandescent bulb power | 20 / 1000 W |
| Total power loss under IN | 1 W |
| Power dissipation per coil | 1,3 W |
| Conventional transformers | 20... 1000 VA |
| Electronic transformers | 25... 1000 W |
| Power | 1000 VA |

Cover, door

| | |
|---------------|-------|
| Surface cover | Other |
|---------------|-------|

Materials

| | |
|--------------------|-----------------------|
| RAL colour | RAL 7035 - Light grey |
| Surface appearance | matt |

Dimensions

| | |
|------------------------------------|------------|
| Depth of installed product | 65 mm |
| Height of installed product | 85 mm |
| Installation height | 0 / 1000 m |
| Length | 65 mm |
| Width of installed product | 88,5 mm |
| Width of rail mounted device (RMD) | 5 modules |

LED control

| | |
|-----|---|
| LED | Overheating protection, display using LEDs, Overload protection, display via LED |
|-----|---|

Incandescent bulbs control

| | |
|--|--------------|
| Max. power with incandescent lamps | 1000 W |
| 230 V incandescent lamps and halogen lamps | 20... 1000 W |

Installation, mounting

| | |
|-------------------|--------------------------|
| Fixing type | With claws |
| Mounting type | din-Rail |
| Installation mode | for mounting on DIN rail |

Connection

| | |
|---|---|
| Connection cross-sect. flexible conductor | 1 / 16mm ² |
| Connection cross-sect. rigid cable | 1,5 / 10mm ² |
| Type of load | universal |
| Conductor cross-section (flexible) | 1...16 mm ² |
| Conductor cross-section (rigid) | 1,5...10 mm ² |
| Connection | Connection for illuminated (max. 5 mA) or standard push-buttons |
| Type of connection | with screw |
| - with screw terminals | |

Settings

- Brightness limit and dimming speed adjustable via display

Equipment

| | |
|----------------------------------|-----------------|
| Type of dimmer | No |
| Switching contact potential-free | 5 A, 230 V~ AC1 |
| - automatic load detection | |

Safety

| | |
|---------------------|------|
| Protection index IP | IP20 |
| Halogen free | no |

Use conditions

| | |
|-------------------------------|-------------|
| Operating temperature | -10...45 °C |
| Storage/transport temperature | -20...70 °C |