EV102



IP20

**Din-rail dimmer 1000W+display**

Product Datasheet

### Architecture

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

### Functions

- 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

- with 1-10 V interface
- switching output for disconnection of connected electronic ballasts

### Main electrical features

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

### 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 |

### Length

| | |
|---|---|
| Max. Distance of connection 1-10V | 50 m |
| Max distance to switches | 50 m |
| Maximum connection distance to the priority inputs | 50 m |

### Power

| | |
|---|---|
| Halogen switching capacity 230V | 20/1000 W |
| Dimmable conventional transformers | 20 … 1000 VA |
| Power | 1000 VA |
| 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 |

**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**

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

**Incandescent bulbs control**

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

**Installation, mounting**

| | |
|---|---|
| Fixing type | With claws |
| Mounting type | din-Rail |

- for mounting on DIN rail

**Connection**

| | |
|---|---|
| Conductor cross-section (flexible) | 1 … 16 mm² |
| Conductor cross-section (rigid) | 1,5 … 10 mm² |
| Connection cross-sect. rigid cable | 1,5 / 10mm² |
| Connection cross-sect. flexible conductor | 1 / 16mm² |
| Type of load | universal |
| Type of connection | with screw |

- Connection for illuminated (max. 5 mA) or standard push-buttons
- with screw terminals

**Settings**

- Brightness limit and dimming speed adjustable via display

**Equipment**

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

- automatic load detection

**Safety**

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

**Use conditions**

| | |
|---|---|
| Operating temperature | -10 … 45 °C |
| Storage temperature | -20 to 70 °C |