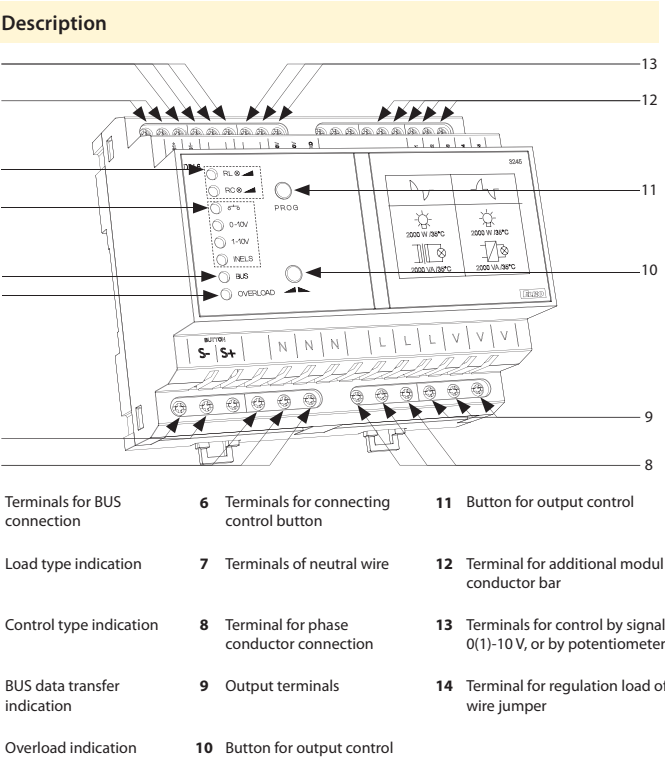




EAN code
DIM-6 / 230 V: 8595188136914

| Technical parameters | | DIM-6 |
|---|--|-------|
| Supply terminals: | L, N | |
| Supply voltage: | AC 230 V / 50 Hz | |
| Burden (unloaded): | max. 4 VA / 3.2 W | |
| Max. dissipated power: | 6 W | |
| Tolerance of voltage range: | -15 %; +10 % | |
| Max. output power: | max. 2 000 VA | |
| Module extendable: | to 10 000 VA | |
| Galvanic separation of BUS and power output: | Yes | |
| Isul. volt. between outputs and inner circuits: | 3.75 kV, SELV according to EN 60950 | |
| Control - button type | | |
| Control voltage: | AC/DC 12-240 V | |
| Control terminals: | S-, S+, galvanically separated | |
| Power of control input (max.): | 0.53 VA (AC 12-240 V), 0.35W (DC 12-240V) | |
| Length of control impulse: | min. 25 ms / max. unlimited | |
| Recovery time: | max. 150 ms | |
| Connection of glow lamps: | No | |
| Control 0(1)-10 V | | |
| Control terminals: | 0(1)-10 V, GND | |
| Control voltage: | 0-10 V or 1-10 V | |
| Min. current of control input: | 1 mA | |
| BUS control: | | |
| Control terminals: | BUS+, BUS- | |
| BUS voltage: | 27 V DC | |
| Current of control input: | 5 mA | |
| Indication of data transmission: | yellow LED | |
| Output | | |
| Contactless: | 4 x MOSFET | |
| Current rating: | 10 A | |
| Resistive load: | 2 000 VA* | |
| Inductive load: | 2 000 VA* | |
| Capacitive load: | 2 000 VA* | |
| Indication of output state: | yellow LED, according to load type | |
| Other information | | |
| Operating temperature: | -20 °C to +35 °C (-4 °F to 95 °F) | |
| Storing temperature: | -30 °C to +70 °C (-22 °F to 158 °F) | |
| Operating position: | vertical | |
| Mounting: | DIN rail EN 60715 | |
| Protection degree: | IP40 from front panel | |
| Purpose of control device: | operative control device | |
| Construction of control device: | individual control device | |
| Char. of automatic operation: | 1.B.E | |
| Heat and fire resistance cat.: | FR-0 | |
| Anti-stroke category (immunity): | class 2 | |
| Rated impulse voltage: | 2.5 kV | |
| Overvoltage category: | III. | |
| Pollution level: | 2 | |
| Profile of connecting wires (mm²) | | |
| - output part: | max.1x2.5, max. 2x1.5/ with sleeve max. 1x1.5 (AWG 12) | |
| - control part: | max.1x2.5, max. 2x1.5/ with sleeve max. 1x2.5 (AWG 12) | |
| Dimensions: | 90 x 105 x 65 mm (3.5" x 4.1" x 2.6") | |
| Weight: | 392 g (13.8 oz.) | |
| Standards: | EN 60669-2-1, EN 61010, EN 55014 | |

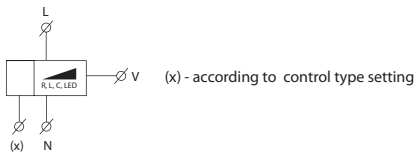
- Designed for dimming of incandescent bulbs and halogen lights with wound or electronic transformer and Dimmable LED².
- DIM-6 control options:
 - button (parallel button connection)
 - external potentiometer
 - analog signal 0-10 V (1-10 V)
 - INELS BUS system.
- The DIM-6 can connect up to 8 pieces of DIM6-3M-P and control up to 10.000 VA.
- Electronic overcurrent protection, overvoltage and short-circuit protection.
- Protection against over-heating inside device - switch off output + signalize overheat by flashing red LED.
- 6-MODULE version, DIN rail mounting.
- ² For more information, see page 41



Types of indication LED

- RL - Yellow – indicates configuration of load RL
- RC - Yellow – indicates configuration of load RC
- Green – button control mode selected
- 0-10V - Green – 0-10 V signal control mode selected
- 1-10V - Green – 1-10 V signal control mode selected
- INELS - Green – BUS conductor bar-INELS control mode selected
- BUS - Yellow – indicates data transfer communication of BUS
- OVERLOAD - Red – indicates overload, flashing LED signalizes over-heating inside the device, shinnig LED signalizes current overload

Symbol



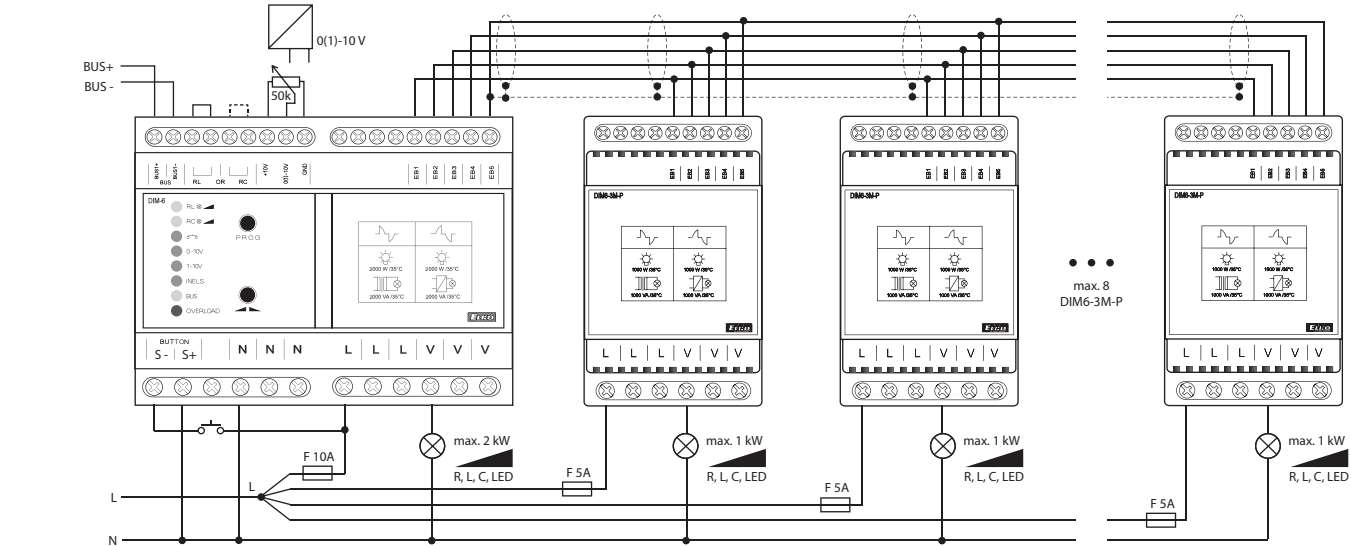
* Warning: it is not allowed to connect inductive and capacitive loads at the same time.



EAN code
DIM6-3M-P: 8595188139106

| Technical parameters | | DIM6-3M-P |
|------------------------------------|---|-----------|
| Load: | max. 1 000 VA | |
| Max. dissipated power: | 6 W | |
| Output | | |
| Contactless: | 2 x MOSFET | |
| Current rating: | 5 A | |
| Resistive load: | 1 000 VA* | |
| Inductive load: | 1 000 VA* | |
| Load capacity: | 1 000 VA* | |
| Other information | | |
| Operating temperature: | -20 °C to +35 °C (-4 °F to 95 °F) | |
| Storing temperature: | -30 °C to +70 °C (-22 °F to 158 °F) | |
| Operating position: | vertical | |
| Mounting: | DIN rail EN 60715 | |
| Protection degree: | IP40 from front panel | |
| Controlling device purpose: | operating control device | |
| Controlling device construction: | additional control device | |
| Automatic operating char.: | 1.B.E | |
| Heat and fire resistance category: | FR-0 | |
| Immunity category: | class 2 | |
| Rated impuls voltage: | 2.5 kV | |
| Overvoltage category: | III. | |
| Pollution level: | 2 | |
| Profile of connecting wires (mm²) | | |
| - output part: | max.1x2.5, max. 2x1.5 / with sleeve max. 1x1.5 (AWG 12) | |
| - control part: | max.1x2.5, max. 2x1.5 /with sleeve max. 1x2.5 (AWG 12) | |
| Size: | 90 x 52 x 65 mm (3.5" x 2" x 2.6") | |
| Weight: | 130 g (4.5 oz.) | |
| Standards: | EN 60669-2-1, EN 61010. EN 55014 | |

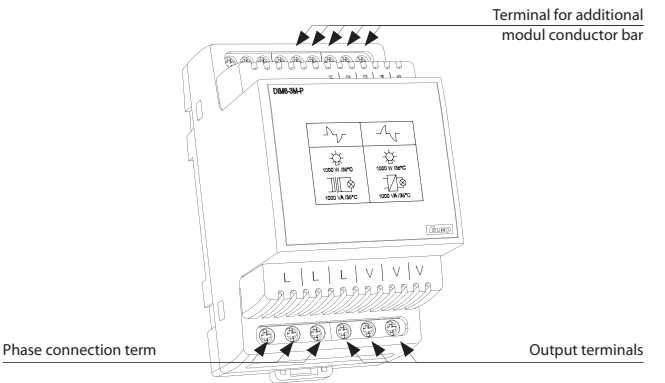
Connection



A quick fuse corresponding to the power of each module must be included in the L supply for each module.

- Expanding power module only for use in combination with DIM-6.
- DIM6-3M-P provides power increase (of about 1 000 VA) of load connected to DIM-6 (it means: 2 000 VA (DIM-6) + 1 000 VA (DIM6-3M-P) = 3 000 VA).
- The DIM-6 can connect up to 8 pieces of DIM6-3M-P and control up to 10.000 VA (the load must be divided into individual power blocks so that their maximum power is not exceeded).
- Attention-device has to be protected by circuit breaker accordant to the load connected to device.
- DIM-6 in installation is cooled by natural air flow. If the natural air flow access is reduced, cooling has to be provided by ventilator. Rated operating temperature is 35 °C / 95 °F.
- If there are several DIM6-3M-P connected to DIM-6, the distance between them has to be min. 2 cm / 0.8".
- Max. lenght of BUS EB is 1 m / 39.4" and the connection has to be realized by schielded cable.

Device description



Note

The DIM-6 dimmer (L, V) terminals and the DIM6-3M-P expansion module are three-fold for easier multi-part loads.

* Warning: it is not allowed to connect loads of inductive and capacitive character at the same time.