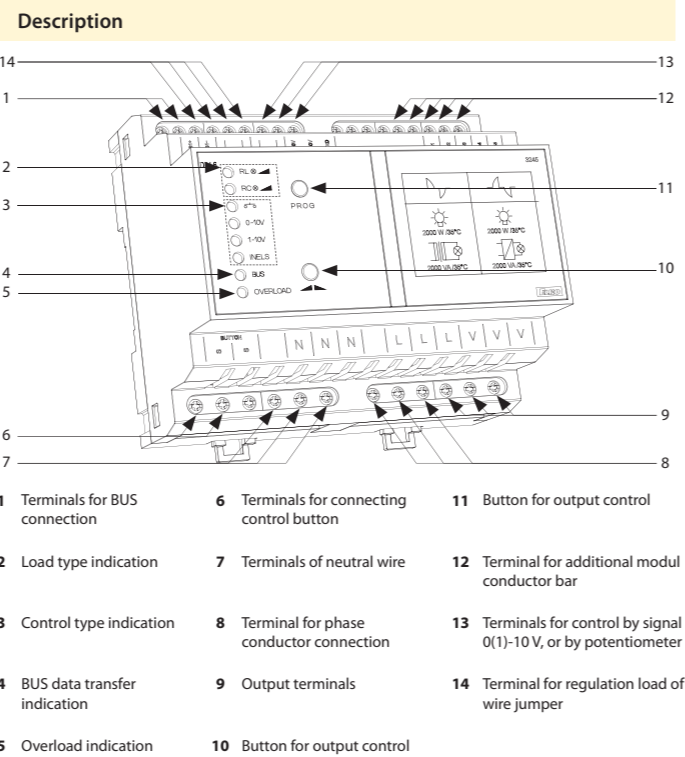




EAN code
DIM-6 / 230 V: 8595188136914

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 12 - 240 V
Control terminals:	S - S, galvanically separated
Power of control input:	AC 0.53VA (AC 230 V), AC 0.025-0.2VA (AC 12-240 V)
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 (mm ²)	
- 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

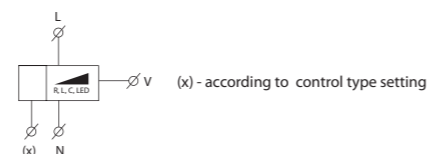
- Designed for dimming of incandescent bulbs and halogen lights with wound or electronic transformer and Dimmable LED².
- DIM-6 control options:
 - button (parallel button connection)
 - external potentiometer
 - analog signal 0-10 V (1-10 V)
 - iNELS BUS system.
- The DIM-6 can connect up to 8 pieces 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, shinning LED signalizes current overload

Symbol



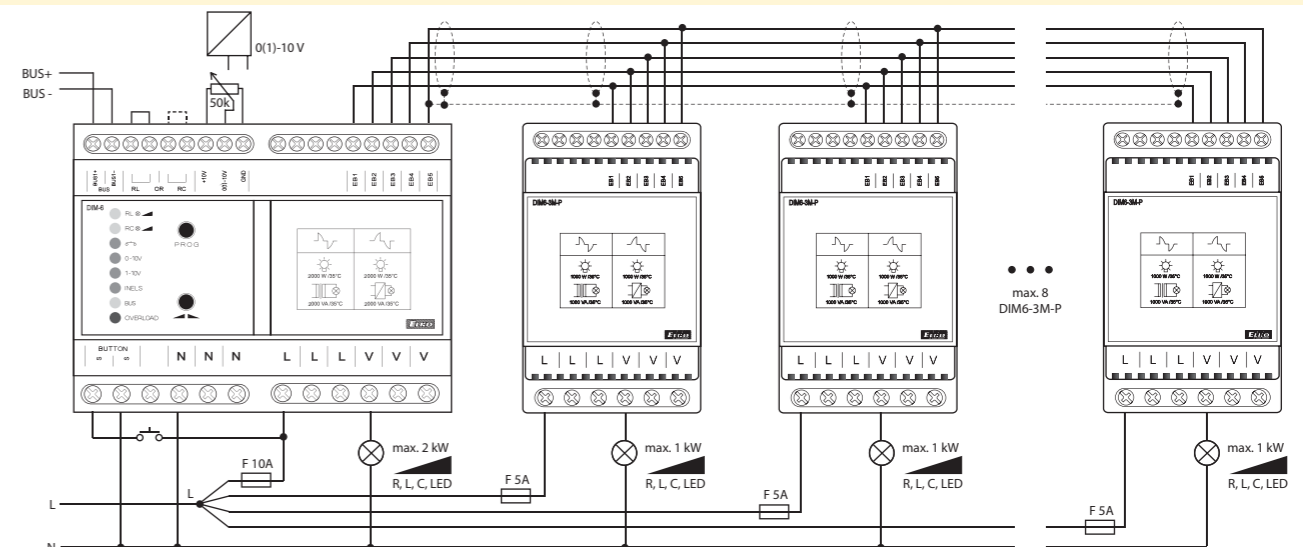
* Warning: it is not allowed to connect inductive and capacitive loads at the same time.



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 (mm ²)	
- 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

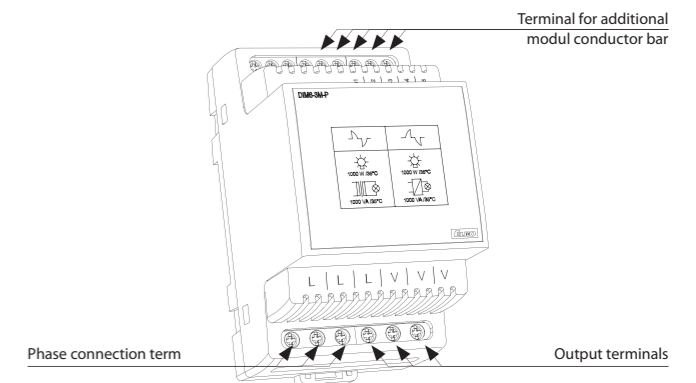
Connection



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. length of BUS EB is 1 m / 39.4" and the connection has to be realized by shielded 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.