

# OPTOTRONIC®

## OT 15/220-240/12 P

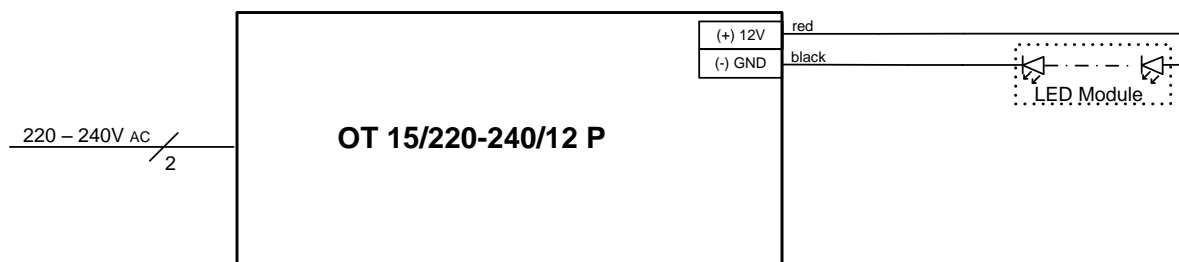
Constant Voltage LED Power supply for 12V LED - Modules

### 1. Technical Data

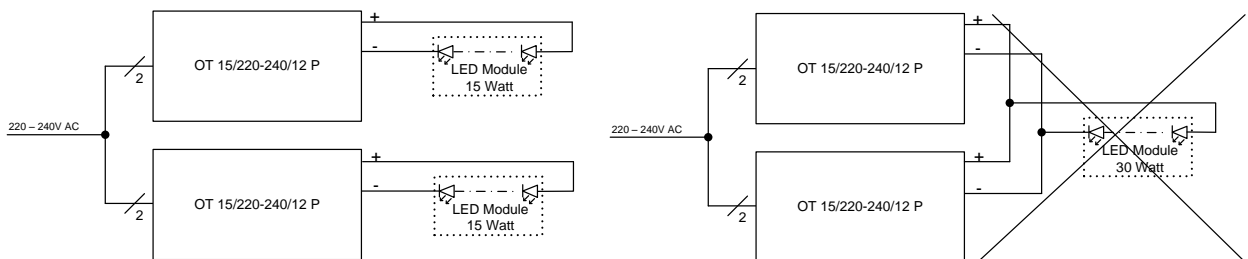
Nominal Voltage	220 – 240 Vac
Input Voltage	198 – 264 Vac
Line Current, nominal	0,1 A@230 Vac
Mains Frequency	50 / 60 Hz
Power Factor	> 0.5 @ 230 Vac
Interface	None
IP Rating	IP 66
Max Out Power	15 Watt

Output Voltage	12,5 Vdc (-0,5V/+0,5V)
Efficiency	80% @ 230 Vac
Ambient Temperature Ta	-25°C to +55°C
Max. Case Temperature at Tc	+80°C
Max. Cable Length	10m
Max load per circuit breaker B10	32
Max load per circuit breaker B16	51
Max load per circuit breaker C10	51

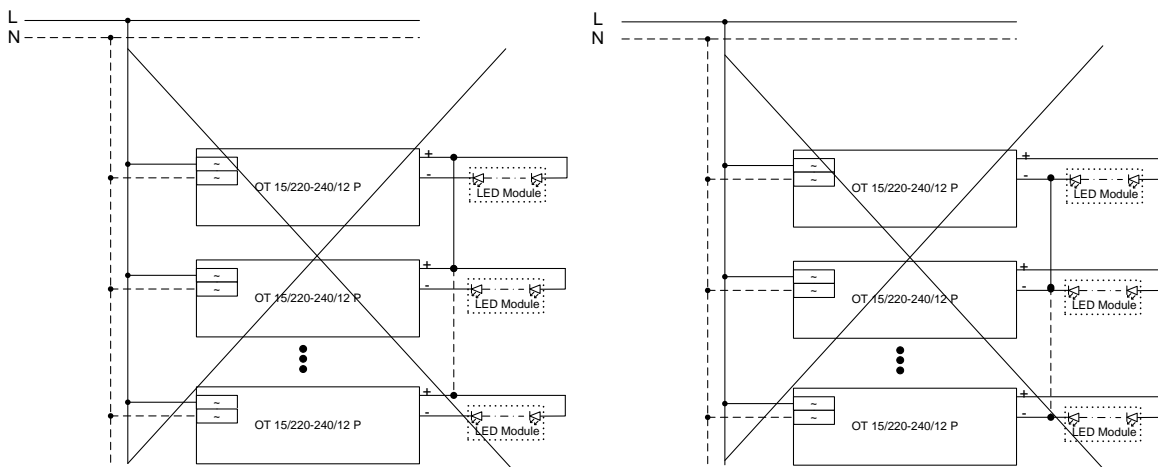
### 2. Connection Schemes



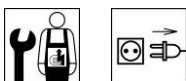
### 3. Safety



Power supplies can be connected in parallel on the primary side, but not on the secondary side



The installation of two or more OPTOTRONIC® OT 15/220-240/12 P Power supplies with common “-” or “+” wiring is forbidden.



**OSRAM AG**  
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# OPTOTRONIC<sup>®</sup>

## OT 15/220-240/12 P

Constant Voltage LED Power supply for 12V LED - Modules

### Wiring and Connection

- Ensure that the LED module load is within the range of rated voltage, current and power supply (see Technical data)
- Maximum output cable length is limited by EMI and cross diameter
- Use output cable sections adequate to the load demand
- The luminaire manufacturer is responsible for providing the required clearances and creepage distances and also for protection against electrical shock, especially for the line and load wires
- Please avoid direct exposure of sunlight and in case of exposure to UV rays, protect the cables with suitable silicone sheath.

### Earth Connection

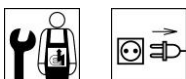
- OT 15/12 P is a "Protection Class II" power supply, therefore ground connection is not required

### Mounting and Environmental protection

- The control gear is a build in type for luminaire integration
- Maximum permissible ambient temperature must not be exceeded. Make sure there is adequate space to avoid a build-up of heat. In critical installations the temperature at  $t_c$  has to be controlled

## 2 General Note

- Power supplies must be installed by a qualified electrician
- Disconnected from mains supplies before wiring work
- For further information see also "OPTOTRONIC – Technical guide" at [www.osram.com](http://www.osram.com)



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