

PRODUCT DESCRIPTION

- Constant Voltage LED Power Supply
- Suitable for operation of PI-LED systems
- Sustained short-circuit current | overload protection | over temperature protection | open loop protection
- Very compact form factor



ORDERING DATA AND TECHNICAL DATA

| Type     | Description                             |
|----------|---|
| LTP-1067 | CONVERTER 60W 48V IP20 LT 123x80x22,5mm |

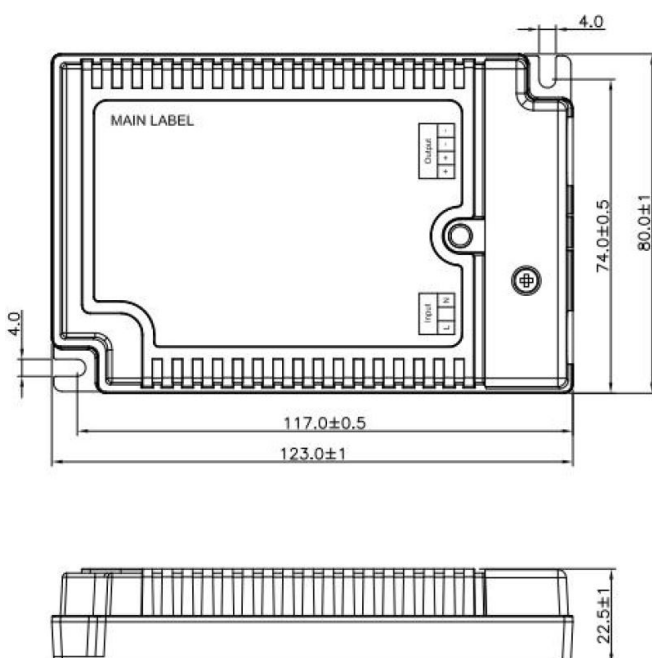
| Output               | Voltage   | 48 V DC  |
|----------------------|---|--|
|                      | Rated current                                     | 1.25 A   |
|                      | Rated power                                       | 60 W   |
|                      | Output voltage tolerance                          | -2 V bis +4 V  |
|                      | Ripple voltage                                    | ≤ 4.8 V <sub>PP</sub>  |
|                      | Startup time                                      | ≤ 1000 ms  |
| Input                | Voltage U <sub>F</sub>                            | 220 V AC bis 240 V AC  |
|                      | Frequency range                                   | 47...63 Hz   |
|                      | Efficiency  | ≥ 90 %   |
|                      | Inrush current                                    | ≤ 10 A   |
|                      | Power factor                                      | ≥ 0.9  |
| Other technical data | Ambient temperature                               | -25°C to +50°C   |
|                      | Storage temperature                               | -40°C to +85°C   |
|                      | Max. case temperature                             | +85°C (measured at Tc point)   |
|                      | Withstand voltage                                 | 1 kV (differential mode) / 2 kV (common mode)  |
|                      | Fulfilled standards, regulations and safety tests | EMC directive acc. to EN 61547 and EN 55015<br>CE conformity acc. to IEC61347-2-13<br>EN 62384 |
|                      | Protection class and type                         | II / IP20  |
|                      | Lifetime  | 50,000 h (at full load)  |
|                      | Dimensions L x W x H                              | 123 mm x 80 mm x 22.5 mm   |
|                      | Weight  | 175 g ± 5 g  |



Maximum load of automatic circuit breakers (FCB):

| Product          | Peak current [A] | Duration [µs]    |     |
|------------------|------------------|------------------|-----|
| LTP-1067         | 6,9              | 280              |     |
| Characteristic B |                  | Characteristic C |     |
| 6A               | 10A              | 13A              | 16A |
| 10               | 16               | 21               | 26  |
|                  |                  | 17               | 27  |
|                  |                  | 35               | 44  |

DRAWINGS AND DIMENSIONS - Size in mm



NOTES

In the case of overload or over temperature, the LED driver reduces independently the maximum output power. In conjunction with a PI-LED system, this may lead to a reduced functionality, malfunction or an automatic shut-down of the system. That protective function serves exclusively security reasons, extended life time and prevention against black out.

Secondary switching of the power supply in conjunction with a PI-LED system is not permitted.