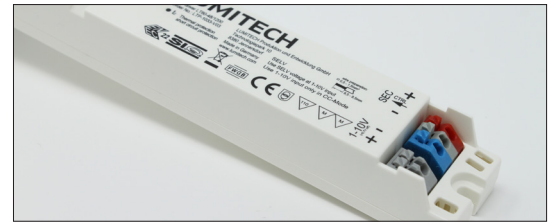


PRODUCT DESCRIPTION

- 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 slim form factor



ORDERING DATA AND TECHNICAL DATA

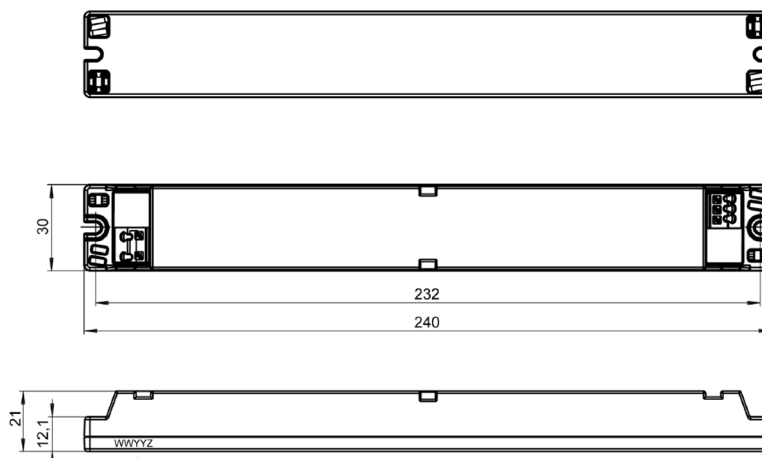
Type	Description
LTP-1033	CONVERTER 60W 48V IP20 LT

Output	Voltage	48 V DC
	Rated current	1.14 A
	Rated power	58 W
	Voltage tolerance	± 2 %
	Ripple voltage	typ. 300 mV _{SS} in constant voltage range
Input	Voltage U _F	220 V AC to 240 V AC ± 10%
	Frequency range	50...60 Hz
	Efficiency	typ. 91 %
	Inrush current	24 A
	Power factor	> 0.95 at maximum power
Other technical data	Ambient temperature	-20°C to +45°C
	Storage temperature	-40°C to +70°C
	Max. case temperature	+70°C (measured at T _c point)
	Withstand voltage	2 kV
	Fulfilled standards, regulations and safety tests	EN61347-1 and EN61347-2-13 SELV EN55015 EN61547 EN61000-3-2 EN62384
	Protection class and type	II / IP20
	Lifetime	30,000 h (at maximum case temperature) 60,000 h (at 60°C case temperature)
	Dimensions L x W x H	240 mm x 30 mm x 21 mm

Maximum load of automatic circuit breakers (FCB):

Product	Peak current [A]	Duration [µs]																								
LTP-1033	24	275																								
<table border="1"> <thead> <tr> <th colspan="4">Characteristic B</th> <th colspan="4">Characteristic C</th> </tr> <tr> <th>6A</th> <th>10A</th> <th>13A</th> <th>16A</th> <th>6A</th> <th>10A</th> <th>13A</th> <th>16A</th> </tr> </thead> <tbody> <tr> <td>7</td> <td>11</td> <td>15</td> <td>18</td> <td>11</td> <td>19</td> <td>25</td> <td>31</td> </tr> </tbody> </table>			Characteristic B				Characteristic C				6A	10A	13A	16A	6A	10A	13A	16A	7	11	15	18	11	19	25	31
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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.

The 1-10V control port is without any function and therefore must not be used in conjunction with a PI-LED system. Secondary switching of the power supply in conjunction with a PI-LED system is not permitted.

All specifications refer to an ambient temperature of 20°C and were measured after a power-on time of 15 minutes.

Last change: 11.06.2019