




Technical data

Reference:	OT 42/220-240/500 E
For LED modules:	500 mA LED
Nominal Voltage:	220 – 240 V _{AC}
Line current, nominal:	0,21 A @ 230V
Mains frequency:	50/60 Hz
Protection Class:	II
Output current:	500 mA _{DC}
(Remark)	+/- 5%
Output voltage:	30 - 90 V _{DC}
(Remark)	maximum 100V _{DC}
Output Power:	42 W ¹⁾
(Remark)	Partial Load 15W .. 42W
Rated Power factor:	> 0,95 (full load) @ 230V > 0,90 (half load) @ 230V
Power loss:	6W max.
ECG efficiency:	88 %
(Remark)	full load at 230V
Power Loss in standby mode	< 1 W
(Remark):	No load condition
Input Voltage:	195 – 264 VAC
(Remark)	Permitted voltage range
DC Voltage:	No
Inrush current:	33 A
(Remark)	t _{width} @ 180µs
Max. no. of ECG @ circuit breakers 10 A (B type):	7
Max. no. of ECG @ circuit breakers 16 A (B type):	12
Max. no. of ECG @ circuit breakers 16 A (B type): in combination with EBN-OS	30
Ambient temperature range, t _a :	-25 °C to +60 °C
Max. case temperature at t _c point:	80°C
ECG Lifetime:	50.000h
(Remark)	at t _{cmax} and 10% failure rate
Maximum casing temperature in case of fault	100°C

Dimmable:	No
No-load proof:	Yes
Short circuit protection:	Automatic, reversible
Overload protection:	Automatic, reversible
Overtemperature protection:	Automatic, reversible
Cable cross section input side / output side: <i>(Remark)</i>	0,5 mm ² – 2,5 mm ² / 0,5 mm ² – 2,5 mm ² (20 AWG – 12 AWG) <i>Solid and flexible</i>
Wire preparation length Input side / output side:	10 – 11 mm / 10 – 11 mm
Terminal:	Mains (<i>grey/grey</i>) Equipotential Pin (<i>pink</i>) LEDModule (<i>red/black</i>)
Max. cable length - system:	2 m
Geometry (l x b x h):	133 x 77 x 48 mm ³
Mounting hole spacing/length:	123 mm
Weight:	~ 725 g
IP Code: <i>(Remark)</i>	IP20 <i>IP Fixture rating ≥ IP54</i>
Suitable for fixtures with protection class:	class I and class II
ECG outdoor protection against humidity:	PCB fully encapsulated + dust proof plastic housing
Safety:	IEC 61347-1, IEC 61347-2-13
Performance:	IEC 62384
Radio interference:	EN 55015:2006+A1:2007+A2:2009
Harmonic content:	IEC 61000-3-2
Immunity:	IEC 61547:1995+A1:2000
Vibration tested:	5 -150 Hz sine sweep, 2g acceleration
Surge capability:	L-N: 3kV, L/N – Ground: 4kV;
Galvanic isolation primary/secondary : <i>(Remark)</i>	3,75 kVrms <i>SELV-equivalent</i>
Approvals:	  

¹⁾ Short term (< 10 minutes) overload up to 45W

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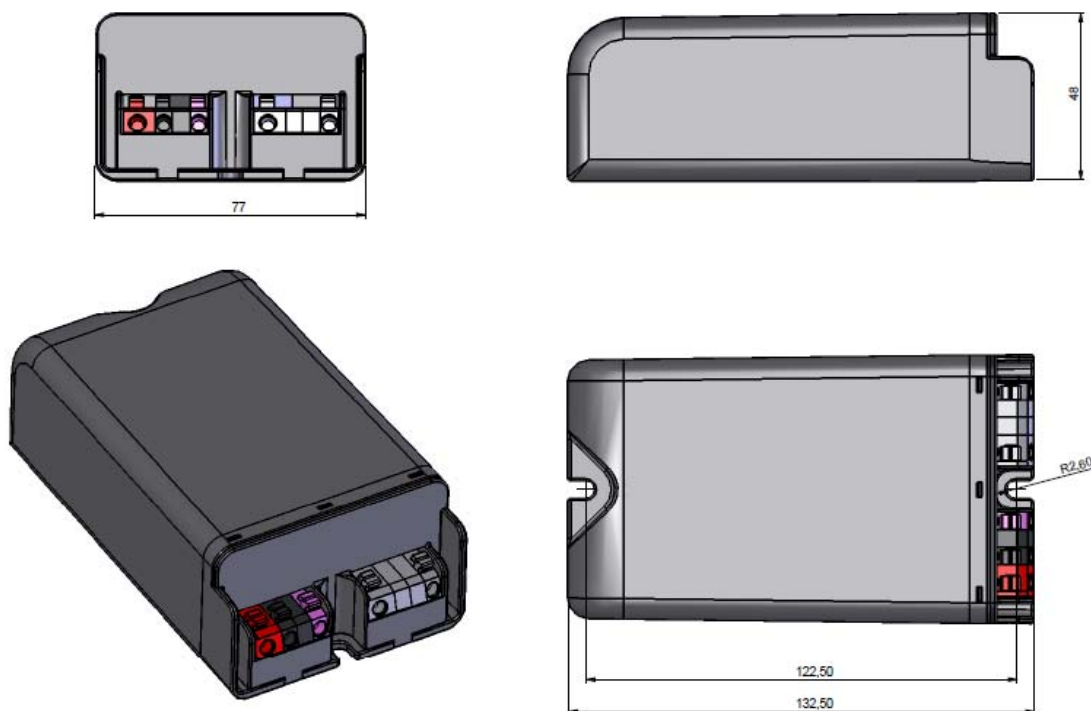
OT 42/220-240/500 E

Electronically stabilized 500mA constant current
LED power supply

Technical Information

Edition:
February 2011
subject to change

Geometry

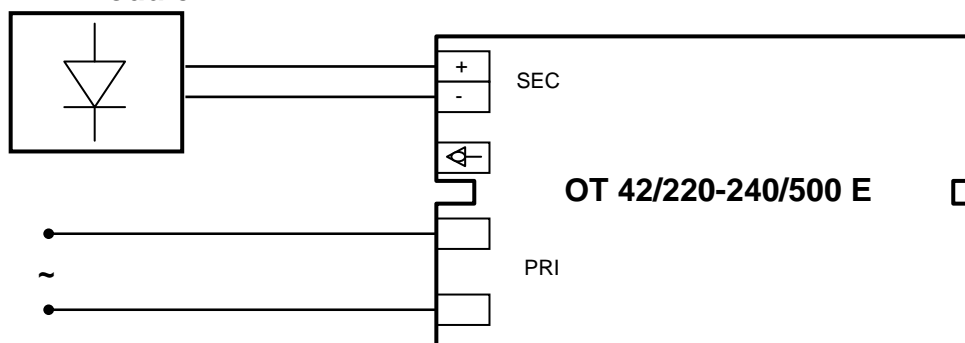


Ordering information

	EAN 10 (1 pc)	EAN 40 (20 pcs)
OT 42/220-240/500 E	4008321627018	4008321627025

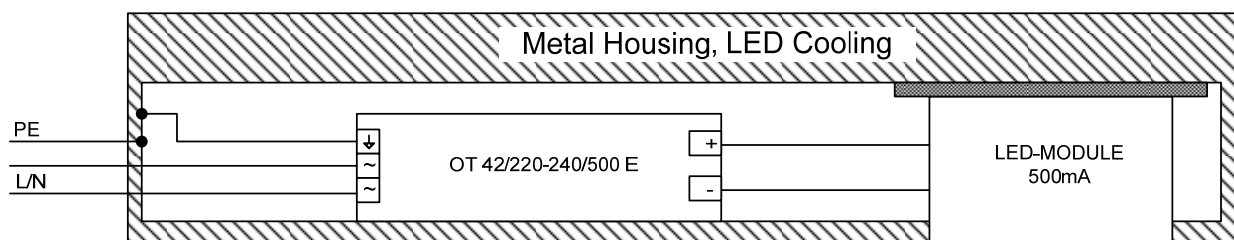
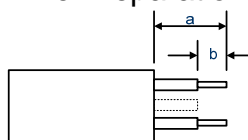
Wiring diagram

LED Module



Installation notes

1. Live parts of the ECG are separated by double/reinforced insulation against the outer surfaces of the ECG except in the area around the terminals. The compliance with relevant creepage distances and clearances according to IEC 60598 in this area must be guaranteed by the fixture.
The luminaire manufacturer is responsible for providing the required clearances and creepage distances and also for the protection against electrical shock, especially for the line and load wires.
2. This control gear is equipped with an equipotential terminal (pink color) for improved reliability in protection class I luminaires with grounded heat sinks. In this configuration a short as possible connection should be made from protective earth to the equipotential terminal of the device for best reliability.

**3. Wire Preparation:**

a: n/a, b: 10-11mm

4. Ballast losses and LED Module heat radiation can lead to heat accumulation in a complete closed case. Therefore it is necessary to ensure, that the temperature at the measuring point t_c does not exceed the maximum value.

Instruction sheet

Please consult the instruction sheet for further important information on e.g. wire stripping and wiring limitations in system installations. The instruction sheet is enclosed with the device or available upon request.