Elettronica per luce s.r.l.

Power supplies for cold cathode lamps.
Via Caravaggio 26 20033 Desio MI
tel. ++39 0362 630872 (a.r.) fax.+++ 620489

DATA SHEET neon convertor Type MINI 3020K-12 v.

- Available in the following versions: *Standard, Dimmer(built in)*
- Compliant with standard EN 61347-2-10 for the **L.V. Directive**
- **Type A** convertor in accordance with EN 61347-2-10 (protection against secondary ground fault leakage is not required)
- 12v.cc input, with 1,5m cable.
- Output with 1m cable type **K** (as per EN 50143). Insulation in polyethylene and PVC. External diameter 4,5mm. Section 1mm^2

Electrical data:

Input :	Voltage	Volt 12 cc
	Current	Ampere 3 maximum
	Power	Watt 36
Output:	Voltage	Volt 1,5-E-1,5 KV
	Nominal load current	mA 20
	Short circuit current	mA 24
	Frequency	Hertz 32.000

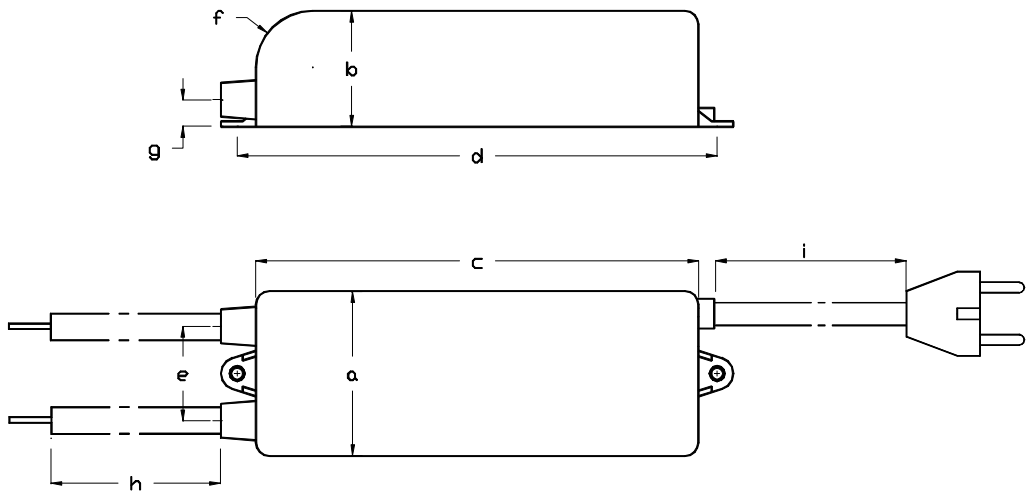
Performances:

- Not compliant with *Flashers*
- Not compliant with *Dimmers*
- Suitable for lamps loaded with argon + mercury gas.
- *Jelly Beans* effect with Neon Gas 100%
- Maximum ambient temperature 40 c°
- Supplied with ***open circuit protection, ground fault protection*** *and* ***protection against overloading***

Indicative chart of maximum loading for electronic converters

For every electrode couple 50cm must be calculated.

	d.8mm	d.10mm	d.12mm	d.15mm	d.18mm
Argon	mt 2,1	mt. 2,7	mt. 3,2	mt. 3,7	mt. 4,2
Neon	mt. 1,6	mt. 1,8	mt. 2,0	mt 2,2	mt. 2,4

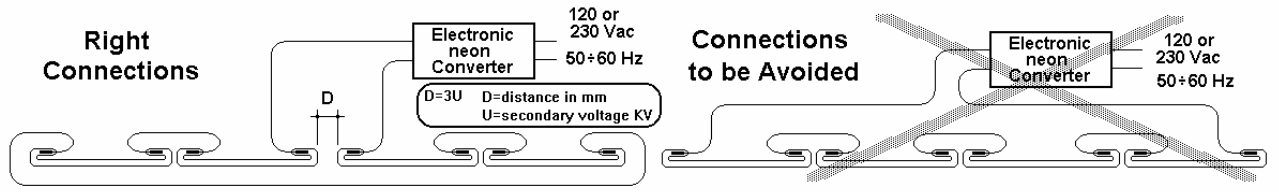


	a	b	c	d	e	f	g	h	i	weight
MINI	48	31	113	124	25	14	6	1000	1500	450 g

All dimensions are in mm.

INSTALLATION GUIDELINE

- To verify that the converter is not overloaded add to the lamps to be lit a 20 KΩ (11 watt) resistor. If tripping occurs, reduce the number of lamps to feed. To check for presence of installation problems, this test shall be performed when sign is finished.
- For high voltage connections use the cable connected to the transformer with no further additions.
- The distance between the lamps and parts with different potential (other lamps, current conductors, parts connected to earth) shall be suitable to the voltages on site which, at the frequencies produced by the converter, can discharge easily through air and unsuitable insulating material.
- The material of the supports of the lamps must be always insulating (EN 50107)
- To comply with the *electromagnetic compatibility* directive (EMC), from the output of the converter to the feeding supply, **avoid placing the feeding cable near the neon lamps** and/or **the high voltage cables.**



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