

S040 range

Revision: 9P08.11.02
Sheet: A-040-00

FEATURES

Input voltage

90÷264Vac

Input frequency

50/60Hz

Efficiency

>75%

Switching operating frequency

40KHz typ.

Input protections

- Inrush current limitation
- EMI filter
- Line fuse

Leakage current to GND

0,5mA max at 233Vac 50Hz

See table for

- Output voltages and currents
- Total regulations
- Output ripple and noise

Output protections

- Overvoltage protection

- Overcurrent protection

- Short circuit protection

Hold up time

12msec at 110Vac/40W output

Output power

30÷48W (see table)

Operating temperature

0°C to 50°C

Temperature power derating

2%/°C (50÷70°C see diag.)

Storage temperature

-40°C to 85°C

Temperature drift

0.02%/°C

Long term stability

Better than 1% after 24 hours

Dielectric withstand voltage

- Input - Output : 3750Vac (on insulating components)

- Input - P.E. : 1750Vac

Isolation

- Output - P.E. : 500Vdc

Comply with

- EN 50081-1
- EN 61000-6-2
- EN 60950
- CE

Weight

board: 260g; closed: 520g

Optional features

- C - Closed box
- DC - DC input for AC-DC units

Cooling

- Natural convection (see table - I_{max}1)
- Forced ventilation (see table - I_{max}2 at 220Vac)

Note

- 5V version is provided only with fixed type output connector.

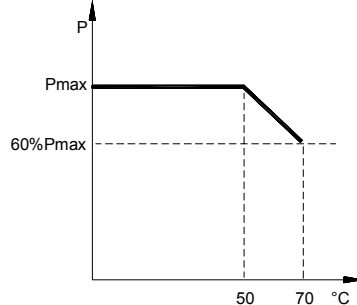
FEATURES TABLE

MODEL	Output Power W	Vout Volts	Imin Ampere	I _{max} (1) Ampere	I _{max} (2) Ampere	Total regulation %	Ripple & Noise (0÷20MHz) mV
S042	30	5	0	6	8	±2	50
S043	36	12	0	3	4	±2	100
S044	37.5	15	0	2.5	3	±2	100
S046	36	24	0	1.5	2	±2	100
S048	33.6	48	0	0.7	1	±2	150

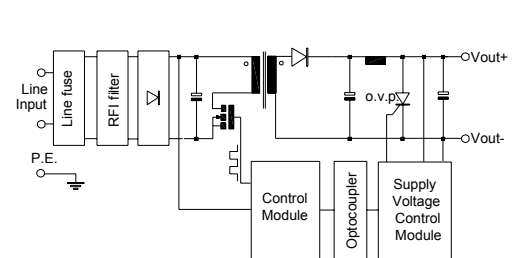
POWER SUPPLY VIEW



TEMP. POWER DERATING

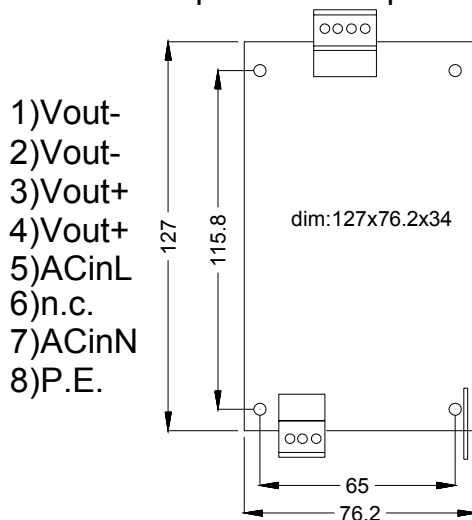


BLOCK DIAGRAM

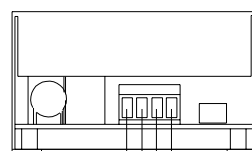


DIMENSIONS AND CONNECTIONS

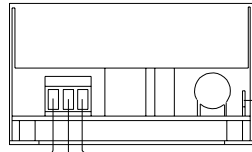
open frame top view



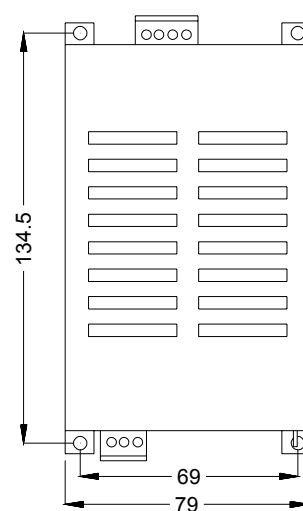
output box view



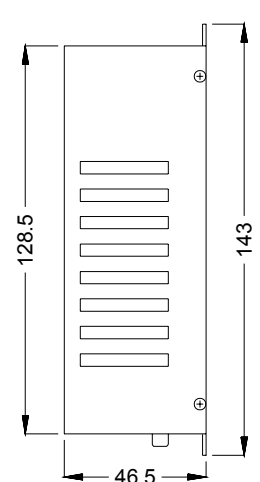
input box view



top box view



side box view



AZIENDA CERTIFICATA



Note: all features are subject to change without notice.

Costruzioni Elettroniche Elettromeccaniche & Affini s.r.l. - 10132 TORINO - C.so Casale, 413 - Tel. 0118987106 / 0115534597 - fax 0115534597 - e_mail cea@cea.to - URL <http://www.cea.to>