

SQ256-3F-400-500

Din-Rail application - Single output Din-rail mounting AC-DC power supply unit

Input voltage

400-500V 3AC (340-576V 3AC
resp.480-810VDC)

Input frequency

50-60Hz

Efficiency

90% typ. at Pnom.

Switching operating frequency

70KHz typ.

Power factor

0,66 typ.

Input protections

- Inrush current typ. <30A @ Vin max, cold-start.

- EMI filter

- Line fuses

See table for

- Output voltage and current

- Output ripple and noise

- Line and load regulation

Output protections

- Overvoltage protection

- Over load protection

Output power

240W

Control and adjustment

- Vadjust trimmer (21.6...28.0V)

Operating indicators

- Green led Vout OK

Operating temperature

-10°C to 70°C

Temperature power derating

60÷70°C see diag.

Storage temperature

-40°C to 85°C

Temperature drift

0.05%/°C typ.

Long term stability

Better than 1% after 8 hours

FEATURES

Humidity

10÷90% non condensing

Cooling

Natural convection

Dielectric withstand voltage

- Conform to EN 60950-1

Isolation

- Output - P.E.: 500Vdc

Comply with

- CE

Weight

1000g

Approvals (pending):

- IEC 60950-1 (AC and DC input)

- EN 60950-1 (AC and DC input)

- UL 60950-1 (AC and DC input)

- CSA 22.2 No. 60950-1 (AC and DC input)

- UL 508 Listed (AC and DC input)

- EN 50178 (AC and DC input)

- EN 60204 (AC and DC input)

EMC standards:

- EN 55011 (EN 55022)

- EN 61000-3-2

- EN 61000-4-2

- EN 61000-4-3

- EN 61000-4-4

- EN 61000-4-5

- EN 61000-4-6

- EN 61000-4-8

- EN 61000-4-11

- EN 61204-3

Optional features

- AL - Alarm relay contact

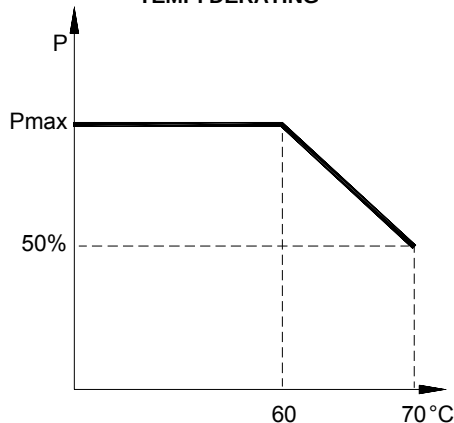
- DD - Output decoupl. diode for parallel connection

- I - Inhibit input ; inhibits all outputs

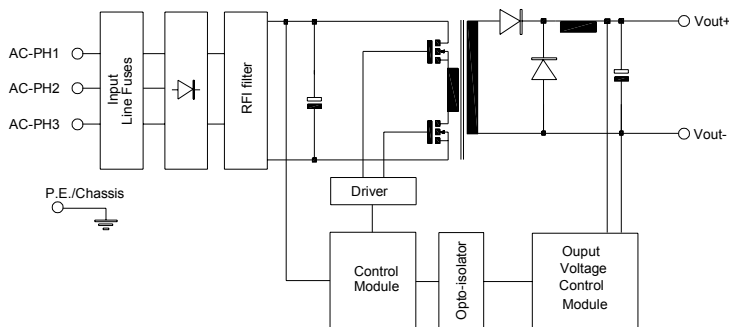
FEATURES TABLE

Vout Nom Volts	Iout Nom (Vout Nom) A	Iout Min A	Voltage Accuracy %	Line Reg. %	Load Reg. %	Ripple & Noise (0÷20MHz) mV
24	10	0	0-1%	0.5%	1%	<100

TEMP. DERATING



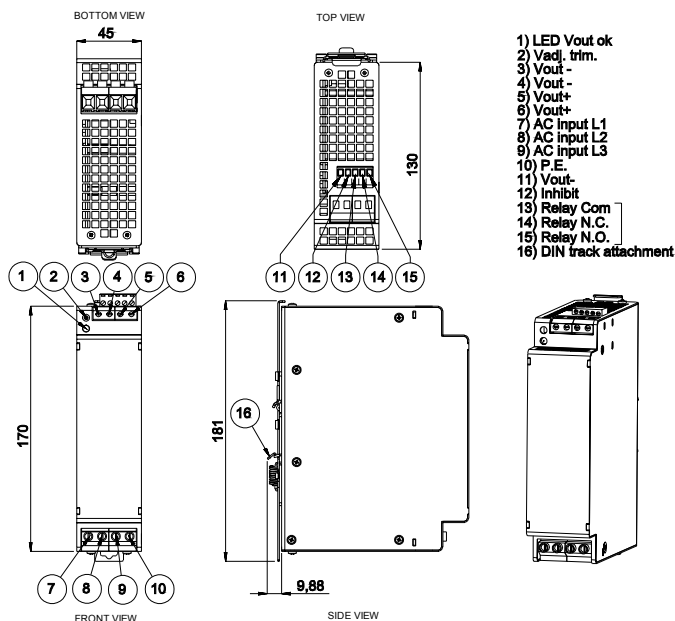
BLOCK DIAGRAM



POWER SUPPLY VIEW



DIMENSIONS AND CONNECTIONS



AZIENDA CERTIFICATA



Note: all features are subject to change without notice.

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