

SQ240-1F range

Revision: 8R17.10.02
Sheet: R000320B

FEATURES

Input voltage

100-120/220-240Vac
90...132Vac/180...264Vac
(Internal voltage selector)

Input frequency

50/60Hz

Switching operating frequency

50KHz typ.

Input protections

- Inrush current typ. < 50A @ 264Vac, cold-start.

- EMI filter

- Line fuses

See table for

- Efficiency at Vinput 240Vac

- Power factor at Vinput 240Vac

- Input current at Vin 110/240Vac

- Hold up time

- Output power

- Output voltage and current

- Output ripple and noise

Output protections

- Short circuit protection with automatic restart

- Overcurrent protection

- Overvoltage protection

Start up time

<1.7 sec.

Inhibit input

- (optional) High active (4.5÷15V)

Operating temperature

-10°C to 60°C

Temperature power derating

2%/°C (50÷60°C)

Storage temperature

-25°C to 85°C

Temperature drift

0.01%/°C typ.

Long term stability

Better than 1% after 24hours typ.

Cooling

Natural convection

Control and adjustment

- Vadj. trimmer

Operating indicators

- Green led VoutOK

Dielectric withstand voltage

- Conform to EN 60950

Isolation

- Output - P.E.: 500Vdc

Comply with

- EN 50081-1

- EN 61000-6-2

- EN 61000-3-2 cl. A

- EN 60950

- CE

Weight

1.2Kg

Optional features

- DD - Output decoupl. diode for parallel connection

- SF - Fixing bracket

Alarm Relay (U.V.P)

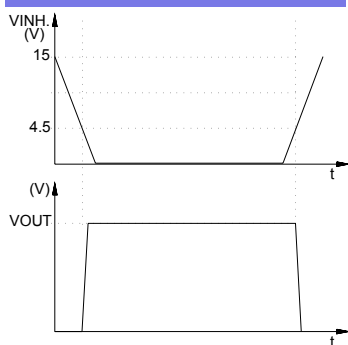
relay's contacts loading: <=30VA,

<=125Vac, <=110Vdc

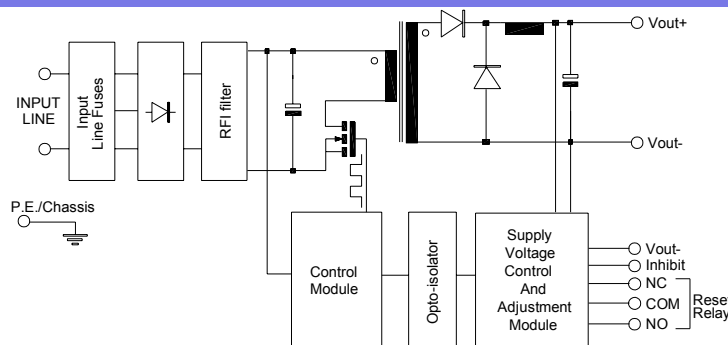
FEATURES TABLE

MODEL	Efficiency Typ. %	Power Factor Typ.	Input Current A	Hold Up Time ms	Output Power Max W	Vout Nom...Max V	Iout Nom (Vout Nom) A	Iout Min A	Voltage Accuracy %	Line Reg. %	Load Reg. %	Ripple & Noise (0÷20MHz) mV
SQ243-1F	83	0.68	4/2	>13	180	12...15	15	0	±0.5	±0.5	±2%	<200
SQ246-1F	88	0.68	4/2	>8	240	24...30	10	0	±0.5	±0.5	±2%	<200
SQ248-1F	88	0.68	4/2	>8	240	48...55	5	0	±0.5	±0.5	±2%	<200

INHIBIT DIAGRAM



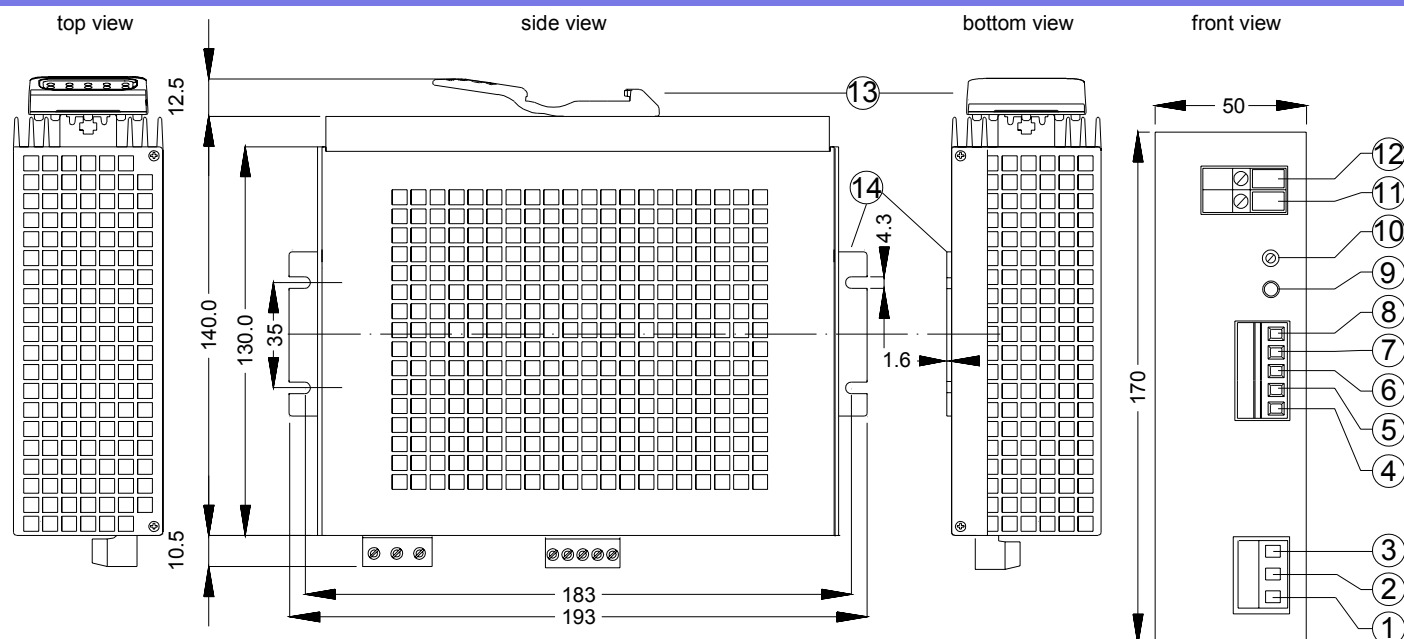
BLOCK DIAGRAM



POWER SUPPLY



DIMENSIONS AND CONNECTIONS



1)ACinput N 2)ACinput L 3)P.E. 4)Reset relay NO 5)Reset relay Com 6)Reset relay NC 7)Inhibit
8)Vout- 9)LED Vok 10)Vadj. trimmer 11)Vout- 12)Vout+ 13)H-For RAIL-DIN mounting 14)SF-Fixing bracket