

# S070-R range

Revision: 8R17.10.02  
Sheet: B-070-00

## FEATURES

### Input voltage

115/230Vac  $\pm 15\%$   
(jumper selectable on pcb)

### Input frequency

50/60Hz

### Efficiency

75% typ.

### Input protections

- Inrush current limitation: 10A at  $V_{in}=220V_{ac}$
- EMI filter
- Line fuse

### Leakage current to GND

Max 1mA at 50Hz

### See table for

- Output voltages and currents
- Line and load regulation
- Output ripple and noise

### Output protections

- Overcurrent
- Short circuit
- Overvoltage: ( $V_{out} + 25\%$ ) typ.

### Hold up time

20msec typ.

### Output power

60W (see table)

### Remote sense compensation

- 0.5V max

### Output signals

- Power good, only on 5V version

### Inhibit input

- TTL comp. high active

### Operating temperature

0°C to 50°C

### Temperature power derating

2%/°C (50÷70°C)

### Storage temperature

-20°C to 85°C

### Temperature drift

0.01%/°C

### Long term stability

Better than 1% after 24 hours

### Cooling

Natural convection

### Control and adjustment

- $V_{out}$  through trimmer on front panel

### Test points

Output voltage test-points on front panel

### Operating indicators

- Led  $V_{out}$  OK on front panel

### Dielectric withstand voltage

- Input - Output : 3750Vac (on insul.comp.)
- Input - P.E.: 1750Vac

### Isolation

- Output - P.E.: 500Vdc

### Comply with

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

### Weight

785g

### Optional features

- AL - Alarm relay contact
- DC - DC input for AC-DC units

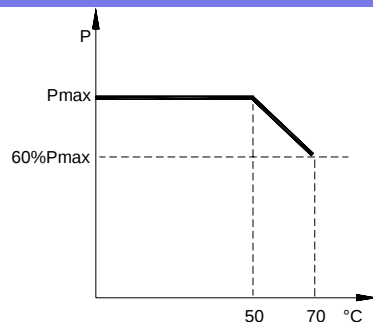
## FEATURES TABLE

| MODEL | Output Power W | Vout Volts | Iout Ampere | Line regulation VIN(min÷max) % | Load regulation (10÷100%) % | Ripple & Noise (0÷20MHz) mV |
|-------|----------------|------------|-------------|--------------------------------|-----------------------------|-----------------------------|
| S072R | 60             | 5          | 12          | $\pm 0.1$                      | $\pm 0.5$                   | 50                          |
| S073R | 60             | 12         | 5           | $\pm 0.1$                      | $\pm 0.5$                   | 100                         |
| S074R | 60             | 15         | 4           | $\pm 0.1$                      | $\pm 0.5$                   | 100                         |
| S076R | 60             | 24         | 2.5         | $\pm 0.1$                      | $\pm 0.5$                   | 100                         |
| S077R | 61.2           | 36         | 1.7         | $\pm 0.1$                      | $\pm 0.5$                   | 100                         |
| S078R | 62.4           | 48         | 1.3         | $\pm 0.1$                      | $\pm 0.5$                   | 100                         |
| S079R | 57.6           | 96         | 0.6         | $\pm 0.1$                      | $\pm 0.5$                   | 200                         |

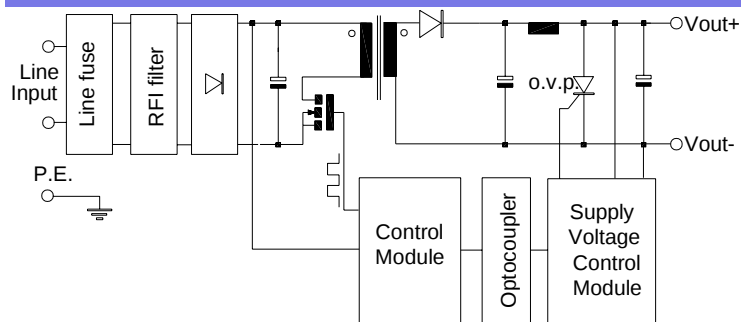
## S070R RANGE VIEW



## TEMP. POWER DERATING



## BLOCK DIAGRAM



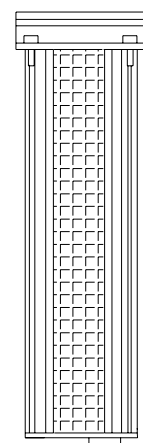
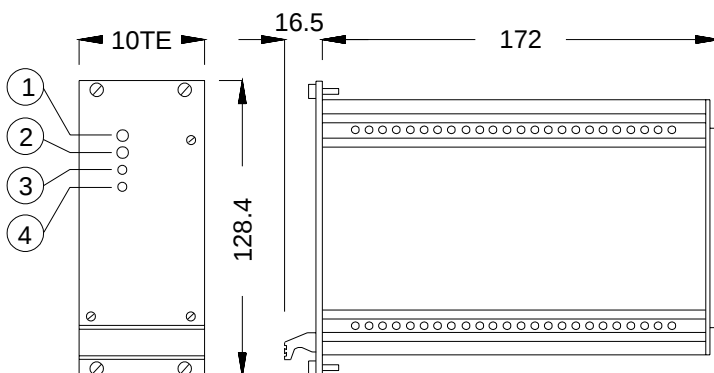
## DIMENSION AND CONNECTIONS

front view

side view

rear view

top view



- 04) VOUT+
- 06) VOUT+
- 08) COM1
- 10) COM1
- 12) SENSE+
- 14) SENSE-
- 16) no conn.
- 18) PW.GOOD
- 20) relais N.O.
- 22) relais COM
- 24) relais N.C.
- 26)
- 28) ACinputL
- 30) ACinputN
- 32) P.E./CHASSIS

- 1) Trimmer Vadjust
- 2) Led VoutOK
- 3) Test point-
- 4) Test point+

Note: all features are subject to change without notice.

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