



power supply AC1254

URL:<https://www.sxplc.com/power-supply-ac1254>

Product data sheet

Electrical Data

Frequency AC [Hz]

47.... .64

Operating voltage tolerance [%]

10

Operating voltage [V]

Automatic range selection

Rated voltage AC [V]

110 / 230

Input voltage range AC [V]

100.... .120 / 200.... .240

Protection class

I

Overvoltage protection

Yes; (< 36 V)

Power-on delay time max.

900

Output voltage AS-i [V]

30.5

Output power (permanent) [W]

122

Output Power (Peak) [W]

134

Caution Output power (peak) [W]

Short-time loading bus capability after power on

Power factor (rated voltage 120 V AC / 60 Hz)

0.56

Power factor (rated voltage 230 V AC / 50 Hz)

0.47

Power reserve [%]

10

Number of output circuits

1

Output current AS-i [A]

4

Maximum residual ripple [mV]

50

Peak switch-on current (rated voltage 120 V AC / 60 Hz) [A]

3

Peak switch-on current (rated voltage 230 V AC / 50 Hz) [A] 3

3

Switch-on current limit

Yes

Efficiency (rated voltage 120 V AC / 60 Hz) [%]

88

Efficiency (rated voltage 230 V AC / 50 Hz) [%]

89.3

External input protection

\leq B-10 A / \leq C-6 A

Derating reduction rating [W/K]

3 (60..... ..70 °C)

Holding time at power failure (rated voltage 120 V AC / 60 Hz) [ms]

70

Power-off hold time (rated voltage 230 V AC / 50 Hz) [ms] 70

70

Input current (rated voltage 120 V AC / 60 Hz) [A]

2.05

Input current (rated voltage 230 V AC / 50 Hz) [A] 1.23

1.23

Power dissipation (rated voltage 120 V AC / 60 Hz) [W]

16.6

Power dissipation (rated voltage 230 V AC / 50 Hz) [W]

14.6

Integrated data extraction function

Yes

Feedback protection [V]

35

Outputs

Short circuit protection

yes

Overload protection

yes

Overload status

Constant output current

Parallel output possible

No

Output in series possible

No

Operating conditions

Ambient temperature [°C]

-25..... 70

Pay attention to the ambient temperature

Observe the available space for convection (see operating instructions)

Storage temperature [°C]

-40.... .85

Maximum permissible relative air humidity [%]

95; (IEC 60068-2-30)

Enclosure protection class

IP 20

Pollution degree

2; (IEC 62103: no conductive dirt allowed)

Certifications/Tests

EMC Electromagnetic Compatibility

EN 61000-6-1

EN 61000-6-2

EN 61000-6-4

Vibration strength

IEC 60068-2-6

$\pm 1,6$ mm 2... .17,8 Hz / 2 g 17,8... .500 Hz .500 Hz

Shock resistance

IEC 60068-2-27

30 g 6 ms / 20 g 11 ms

MTTF [years]

90

AS-i Classification

AS-i Certification

98601

Mechanical Technical Data

Weight [g]

625.5

Mounting method

Guide rail; (TH35 (EN 60715))

Dimensions [mm]

124 x 40 x 120

Material

Steel plate

Display/operating elements

Display

AS-i voltage

LED, green

Note

Packing unit

1 piece

Electrical Connection

Connector

Screw terminal.

