



Electric Automation
Automation specialists

Reference: SPD122401C

Selected parameters MODEL Din Rail AC
INPUT VOLTAGE 88 - 264V OUTPUT POWER
240W PARALLEL CONNECTION yes INPUT TYPE
Single phase or DC OUTPUT VOLTAGE 12Vdc
PFC yes DC INPUT VOLTAGE 120 - 375V
TERMINAL TYPE Screw terminal OUTPUT RDY
Relay SPST Others DESCRIPTION 240W, Screw
terminals, PFC, Parallel function

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Switching Power Supply TypeSPD 240W Compact DIN railmounting

- Universal AC input full range
- Installation on DIN rail 7.5 or 15mm
- Short circuit protection
- Active PFC as standard
- High efficiency up to 93%
- Power ready output
- LED indicator for DC power ON
- LED indicator for DC low
- Parallel connection feature
- Compact dimensions
- UL, cUL listed and TUV/CE approved
- 150% peak load capability

Product Description

Ordering KeySP D 24 240 1C X

The Switching power supplies SPD series are specially designed to be used in all automation applicationwhere the

Approvals

installation is on a DIN rail and compact dimensions and performance are a must.

Model

Mounting (D = Din rail) Output voltage

Output power Input type Optional features

Input type: 1C = single phase Compact version

Optional features

Output Performance

Description Code Screw terminal Nil Plug-in connectors B

MODEL NO. INPUT VOLTAGE

OUTPUT POWER

OUTPUT VOLTAGE

OUTPUT CURRENT

EFF. (min.)

EFF. (typ.)

Single Output Models

SPD 12 240 1C X88~264 VAC192 WATTS +12 VDC16A89%91%

SPD 24 240 1C X88~264 VAC240 WATTS + 24 VDC10A91%93%

Output Data (All specifications are at nominal values, full load, 25°C unless otherwise noticed)

Line regulation $\pm 1\%$

Load regulation $\pm 1\%$

Rated continuous loading

12V Model 16A@12VDC/13A@14.5VDC

24V Model 10A@24VDC/8.4A@28.5VDC

Minimum load 0%

Turn on time

V_i nom, I_o nom 1000ms (full resistive load)

Reverse voltage

12V Model 18VDC

24V Model 35VDC

1500ms with 7000 μ F CAP

Transient recovery time 2ms Ripple and noise 100mVpp Output voltage accuracy 0%

$\div +1\%$ Hold up time $V_i = 115$ VAC 25ms

$V_i = 230$ VAC 30ms

Voltage fall time (I_o nom, V_i nom) 150ms

Voltage rise time

V_i nom, I_o nom 150ms (full resistive load)

500ms with 7000 μ F CAP

Voltage trim range

12V Model 11.4-14.5 VDC

24V Model 22.5-28.5 VDC

Capacitor load 7000 μ F Temperature coefficient $\pm 0.03^\circ\text{C}$ DC ON indicator threshold at start up VDC

(Green LED) Min.Max.

V_i nom, I_o nom 12V Model 10 11.2

24V Model 17.6 19.4

DC LOW indicator threshold at start up VDC

(Red LED) Min.Max. V_i nom, I_o nom 12V Model 10 11.2

24V Model 17.6 19.4

Parallel operation 0.1 I_o min ~ 0.9 I_o max

1 Specifications are subject to change without notice. Pictures are just an example.

For special features and/or customization, please ask to our sales network.

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