

EA-PS 800 KSM 10W - 100W

导轨式直流电源 / DIN RAIL MOUNT DC POWER SUPPLIES



- AC输入电压: 90...264V
- DC输入电压: 120...370V
- 输出功率级别: 10W, 30W, 60W, 78W, 100W
- 输出电压: 12V 或 24V
- 输出电流: 0.4A 至 6.5A
- 过载和短路保护
- 过温保护
- 过压保护
- 自然冷却
- 保护等级为IP20
- 绝缘级别为II
- 符合EN 60950安全标准
- EMC EAN 61204 (EN 55022 B等级)

- **Input voltage AC: 90...264V**
- **Input voltage DC: 120...370V**
- **Output powers ratings: 10W, 30W, 60W, 78W, 100W**
- **Output voltages: 12V or 24V**
- **Output currents: 0.4A up to 6.5A**
- **Overload- and short-circuit-proof**
- **Overtemperature protection**
- **Overvoltage protection**
- **Natural convection cooling**
- **Protection degree IP20**
- **Isolation class II**
- **Safety EN 60950**
- **EMC EAN 61204 (EN 55022 class B)**

概要

这类开关模式电源专为DIN TS35/7.5 or DIN TS35/15类的导轨安装而设计。它们建于坚固的塑胶外壳内，符合IP20保护等级。

所有型号都为90V至260V AC，或120V至370V DC宽范围输入电压。故不需进行输入电压的选择，便可在世界各地使用。

本产品有短路保护、过载保护、过温保护和过压保护。

输出端与市电（浮动）隔离。

输出电压可在12...15V DC (12V型号) 或24...28V DC (24V型号) 范围内调节。本产品还具有输出电流限定功能，限定在在110%-130%（过载时）或150%（短路时）范围内。

温度>55°C，直至70°C时都可接受，但会有2.5%/°C的功率降额。

General

These switching mode power supplies are designed for DIN rail mount on DIN TS35/7.5 or DIN TS35/15 rails. They are enclosed in rugged plastic cases with protection degree IP20.

All models have a wide input range of 90V...264V AC or 120V...370V DC for worldwide usage without the need to select the input range.

The units are protected against short-circuit, overload, over-temperature and overvoltage.

The output is isolated against the mains supply (floating). The output voltage is adjustable within 12...15V DC (12V models) or 24...28V DC (24V models). The units are provided with an output current limitation of 110%-130% (overload) or 150% (short-circuit).

A power derating of 2.5%/°C for temperatures of >55°C up to 70°C is required.

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技术参数	Technical Data	EA-PS 800 KSM
输入	Input	
-AC电压范围	-Voltage range AC	90...264V
-DC电压范围	-Voltage range DC	120...370V
-频率范围	-Frequency range	47...63Hz
效率	Efficiency	>83% @ 230V
转换频率	Converter frequency	50...65kHz
输出	Output	
-过流保护极限值	-Overcurrent protection	10-150%
-过压保护极限值	-Overvoltage protection	120-140%
-过热保护极限值	-Thermal protection	是 / yes
-滞留时间	-Hold-up time	~100ms @ 230V
-降额	-Derating	2.5%/°C @ 55°C...70°C
指示灯	Indicators	DC OK LED (绿灯/green), DC Low LED (红灯/red)
安规标准	Standards	EN 61204 (EMC), EN 60950-1 (Safety)
制冷方式	Cooling	自然冷却 / Natural cooling
工作温度	Operation temperature	0...+55°C (0...+70°C 功率降额 / with derating)
储存温度	Storage temperature	-20...+70°C

技术参数	Technical Data	EA-PS 812-010 KSM	EA-PS 812-022 KSM	EA-PS 812-045 KSM	EA-PS 812-070 KSM
输出	Output				
-电压	-Voltage	12...15V DC	12...15V DC	12...15V DC	12...15V DC
-带载0-100%的稳定度	-Stability at 0-100% load	≤350mV	≤350mV	≤300mV	≤300mV
-纹波	-Ripple	≤40mV _{pp}	≤40mV _{pp}	≤40mV _{pp}	≤40mV _{pp}
-额定电流	-Nominal current	0.83A	2.5A	5A	6.5A
-额定功率	-Nominal power	10W	30W	60W	78W
尺寸 (WxHxD)	Dimensions (WxHxD)	23x91x57mm	53x91x57mm	71x91x57mm	90x91x57mm
重量	Weight	0.07kg	0.19kg	0.25kg	0.37kg
产品编号	Article No.	38917154	38917155	38917156	38917157

技术参数	Technical Data	EA-PS 824-004 KSM	EA-PS 824-012 KSM	EA-PS 824-025 KSM	EA-PS 824-040 KSM
输出	Output				
-电压	-Voltage	24...28V DC	24...28V DC	24...28V DC	24...28V DC
-带载0-100%的稳定度	-Stability at 0-100% load	≤350mV	≤350mV	≤300mV	≤320mV
-纹波	-Ripple	≤20mV _{pp}	≤20mV _{pp}	≤20mV _{pp}	≤90mV _{pp}
-额定电流	-Nominal current	0.42A	1.25A	2.5A	4.2A
-额定功率	-Nominal power	10W	30W	60W	100W
尺寸 (WxHxD)	Dimensions (WxHxD)	23x91x57mm	53x91x57mm	71x91x57mm	90x91x57mm
重量	Weight	0.07kg	0.19kg	0.25kg	0.37kg
产品编号	Article No.	38917150	38917151	38917152	38917153