

FEATURES

- Rated Power: 30W Max
- Input: 90-264VAC 50/60Hz
- Output Voltages: 5V-24V DC
- High Efficiency
- 100% full load burn-in Test
- Low Ripple & Noise
- Class Class II
- Protection: Over load/Over voltage/Short circuit
- Meets the Latest safety standards and approvals.

DIN Rail Power Supplies

RS Stock No.: 225-9902, 225-9903, 225-9904



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

DIN Rail Power Supplies

Product Description

The 30W Series is a cost-effective, energy efficient DIN-rail mount AC-DC converter. The products offers cULus, LVD 62368-1 & EMC EN 55032 compliant products. These AC-DC converters come in at 120gm meaning they are light and compact. They are ideal for applications such as Industrial automation, control equipment and electronic systems as well as many other applications.

General Specifications

Type	DIN Rail Power Supply
AC or DC Input Voltage	AC
AC or DC Output Voltage	DC
Number of Outputs	1
Mounting Type	DIN Rail Mount
Connection Type	Screw terminal type
Short Circuit Protection	Yes
Over Voltage Protection	Yes

Electrical Specifications

RS Stock#	Input Voltage	Output Voltage	Output Current	Output Wattage	Efficiency (Typ)
225-9902	90~264 VAC	+ 5V DC	3A	15W	82%
225-9903	90~264 VAC	+ 12V DC	2.5A	30W	88%
225-9904	90~264 VAC	+ 24V DC	1.25A	30W	89%

Input Specifications	
Input Electrical Phase	Single
Line Frequency	47-63Hz
Inrush current at 25°C 230V	25 Amps max. at 115VAC/60Hz,full load & 45Amps max. at 240VAC/50Hz,full load
Efficiency (Typ.)	82~89% Depending on Model
Leakage Current	<0.25mA/240VAC
Output Specifications	
Output Voltage Adjustment	+/- 10% Depending on Model
Ripple and Noise	80~150 mV Depending on Model
Rise Time	500mS/50mS/12mS(115V/60HZ MAX ROAD), 500mS/50mS/30mS(230V/50HZ MAX ROAD)
Line Regulation	± 1%
Load Regulation	± 1%
Isolation Resistance	I/P-O/P:100M Ohms / 500VDC / 25 / 70% RH
MTBF	200000 h

Mechanical Specifications

Height	90
Depth	58
Width	35
Weight	120g
Dimensions	58 x 35 x 90 mm
Case Material	Plastic

Operation Environment Specifications

Operating Humidity	20% ~ 90% RH non-condensing
Operating Temperature Range	-20°C to 50°C,Full load, Normal operation.
Storage Temperature Range	-40°C to 80°C
Cooling	Natural convection

Protection Category

IP Rating

IP20

Approvals

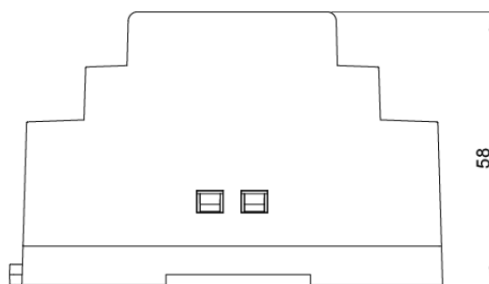
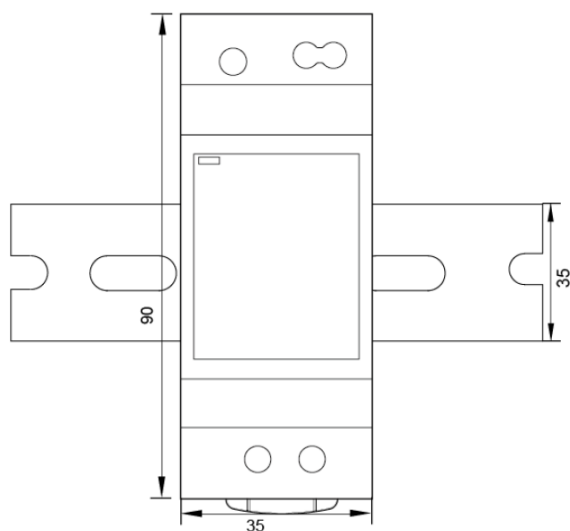
Declarations

cULus, CB, LVD, CE

Standards Met

EN 55032, EN 62368-1, UL 62368-1, IEC 62368-1

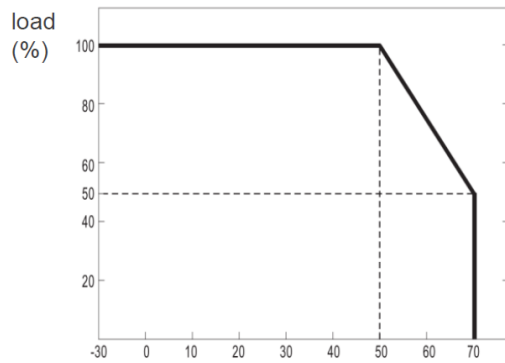
Mechanical Drawings:

■ Dimensions and Installation:

DIN Rail Power Supplies

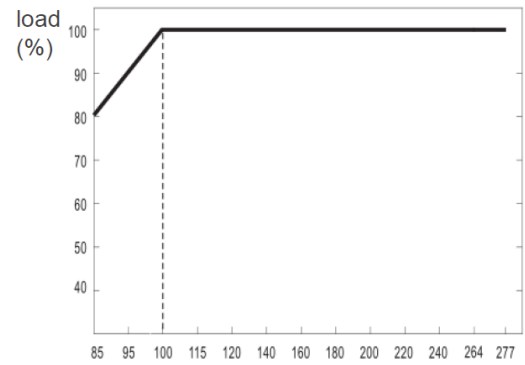


■ Deduction curve and temperature:



Environment temperature(°C)

■ Minus output and input voltage curves:



Input voltage(VAC)