

## FEATURES

- Rated Power: 100W Max
- Input: 90-264VAC 50/60Hz
- Output Voltages: 12V 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.: 225-9898



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.

### Product Description

The 100W 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 270gm 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

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

### Electrical Specifications

RS Stock#	Input Voltage	Output Voltage	Output Current	Output Wattage	Efficiency (Typ)
225-9898	90~264 VAC	+ 12V DC	7.1A	85.2W	88%

## DIN Rail Power Supplies

Input Specifications	
Input Electrical Phase	Single
Line Frequency	47-63Hz
Inrush current at 25°C 230V	35Amps max. at 115VAC/60Hz,full load & 70Amps max. at 240VAC/50Hz,full load
Efficiency (Typ.)	88%
Leakage Current	<0.25mA/240VAC
Output Specifications	
Output Voltage Adjustment	+/- 10%
Ripple and Noise	120mV
Rise Time	500mS/60mS/12mS(115V/60HZ MAX ROAD), 500mS/60mS/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	70
Weight	270g
Dimensions	58 x 70 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**

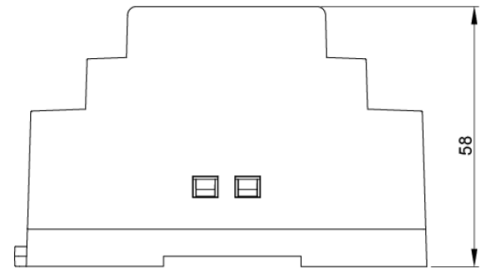
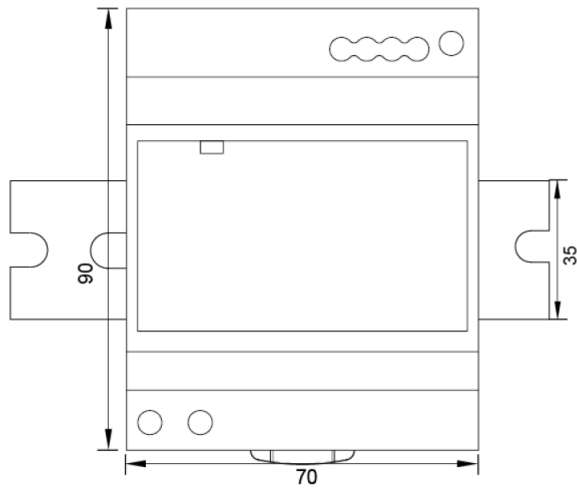
<b>IP Rating</b>	IP20
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**Approvals**

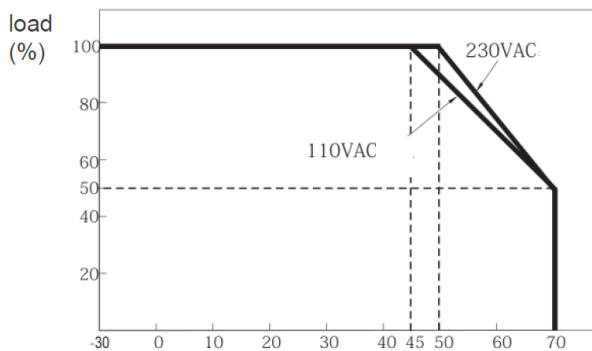
<b>Declarations</b>	cULus, CB, LVD, CE
<b>Standards Met</b>	EN 55032, EN 62368-1, UL 62368-1, IEC 62368-1

# Mechanical Drawings:

■ Dimensions and Installation:

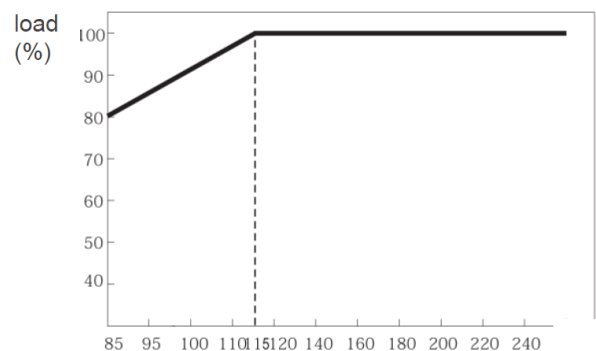


■ Deduction curve and temperature:



Environment temperature(°C)

■ Minus output and input voltage curves:



Input voltage(VAC)