

## Features

- Universal Input 90~264VAC 50/60Hz
- Output Voltages: 5-24V DC
- IEC/UL/EN 60950-1
- Meets the latest Safety Standards and Approvals
- Single Output to 15W
- High Efficiency
- 100% Full load burn-in Test
- Low Ripple & Noise
- Class II
- Protection: Overload/Over voltage/Short circuit
- Dimensions: 58 x 18 x 90mm
- Weight: 78g



The 15W Series is a cost-effective, energy efficient DIN-rail mount AC-DC converter. The products offers cULus, LVD 60950-1 & EMC EN 55032 compliant products. These AC-DC converters come in at 78gm 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.

### Models

Model Number	Output Voltage	Output Current	Output Power
56YSD15S-0502400	5V DC	2.4A	12W
56YSD15S-1201250	12V DC	1.25A	15W
56YSD15S-2400630	24V DC	0.63A	15W

### General Specification

<b>Type</b>	DIN Rail Power Supply
<b>AC or DC Input Voltage</b>	AC
<b>AC or DC Output Voltage</b>	DC
<b>Number of Outputs</b>	1
<b>Mounting Style</b>	Din Rail Mount
<b>Connection Type</b>	Screw Terminal Type
<b>Overload Protection</b>	>130%-200% rated output power (Hiccup mode, recovers automatically after fault condition is removed)
<b>Over Current Protection</b>	110% - 180%
<b>Short Circuit Protection</b>	Protection to Zero Voltage
<b>Over Voltage Protection</b>	110~145% (Protection Type: Clamp by zener diode)

**Mechanical Specifications**

<b>Housing Material</b>	Fully Enclosed Plastic Case
<b>Overall Dimensions</b>	58mm x 18mm x 90mm
<b>Overall Length</b>	90mm
<b>Overall Depth</b>	58mm
<b>Overall Width</b>	18mm
<b>Weight</b>	78g

**Input Specifications**

<b>Input Electrical Phase</b>	Single
<b>Line Frequency</b>	47-63Hz
<b>Inrush Current</b>	25 Amps max. at 115VAC/60Hz, full load & 45Amps max. at 240VAC/50Hz, full load
<b>AC Current</b>	0.5A/115VAC 0.25A/230VAC
<b>Efficiency Type</b>	79~86% Depending on Model
<b>Leakage Current</b>	<0.25mA/240VAC

**Output Specifications**

<b>Output Voltage Adjustment</b>	+/- 10% Depending on Model
<b>Ripple and Noise</b>	80~150 mV Depending on Model
<b>Line Regulation</b>	± 1%
<b>Load Regulation</b>	± 1%
<b>Isolation Resistance</b>	I/P-O/P:100M Ohms / 500VDC / 25 / 70% RH
<b>Setup, Rise, Hold Up time</b>	2S/80mS/15mS(115V/60HZ MAX ROAD), 1S/80mS/30mS(230V/50HZ MAX ROAD)
<b>MTBF</b>	200000 h

**Operational Environment**

<b>Operating Humidity</b>	20% ~ 90% RH non-condensing
<b>Operating Temperature Range</b>	-20°C to 50°C, Full load, Normal operation.
<b>Storage Temperature Range</b>	-40°C to 80°C
<b>Storage Humidity</b>	10% ~ 90% RH
<b>Cooling</b>	Cooling

**Protection Category**

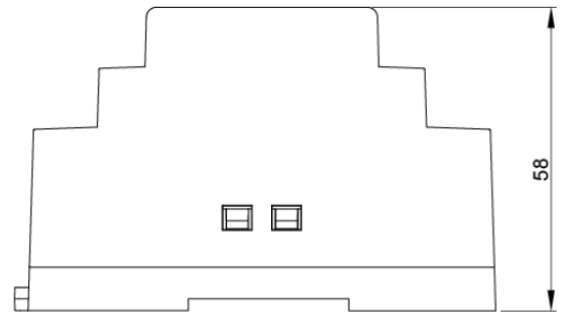
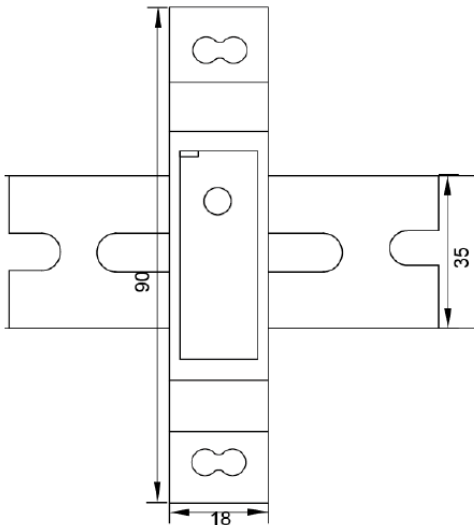
<b>IP Rating</b>	IP20
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## Approvals

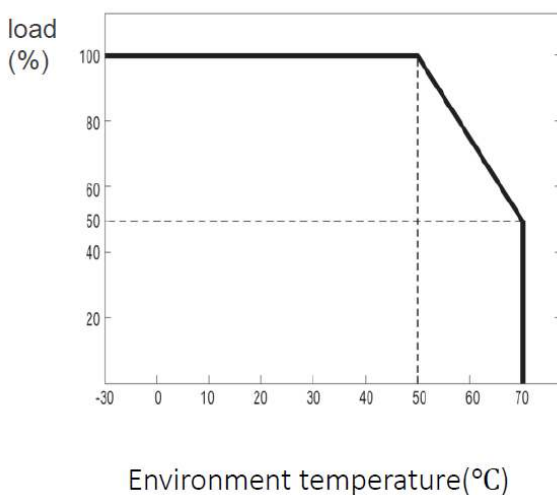
<b>Safety Standard</b>	UL60950-1, UL508, , BSMI CNS14336-1,TUV EN61558-2-16 IEC60950-1, EAC TPTC 004,TUV EN60950-1
<b>EMC Emissions</b>	EN55032(CISPR32), CNS13438 Class B ,EN61000-3-2 ClassA ,EN61000-3-3,EN61000-4-2,3,4,5,6,8,11, EN55024, EN55035, EN61000-6-2, EN61204-3

## Mechanical Drawing

### ■ Dimensions and Installation:



### ■ Deduction curve and temperature:



### ■ Minus output and input voltage curves:

