

Features

- Universal Input
90~264VAC /
127~370 VDC
- UL508, BS/EN62368-1
- High Efficiency
- Protection: OLP, OVP, OTP, SCP
- DC Output
Adjustable
- Output Voltages: 12-48V DC
- DIN Rail: TS-35/7.5 & 15

RS PRO DIN Rail Power Supplies

RS Stock No.: 0308413, 2840489, 0308415



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

DIN Rail Mount AC/DC Power Supply Converter Series are certified to UKCA, CE, cULus & UL 508/EN 62368-1/BS EN 62368-1 Standards and comply with (EU) 2019/1782, Level VI Efficiency Regulations. These are primarily used in ITE, Audio & Video Industries and customised solutions are available upon request.

General Specifications

Type	Power Supply
AC or DC Input Voltage	AC
AC or DC Output Voltage	DC
Number of Outputs	1
Special Features	100% Full Load Burn-In Test / Ultra Slim Design
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)
0308413	90~264VAC	+ 12V DC	10A	120W	85.5%
2840489	90~264VAC	+ 24V DC	5A	120W	88%
0308415	90~264VAC	+ 48V DC	2.5A	120W	89%

Input Specifications	
Input Electrical Phase	Single
Line Frequency	50~60Hz
Inrush current at 25°C 230V	47.8A/115VAC / 92.5A/230VAC
Efficiency (Typ.)	85.5% - 89%
Leakage Current	<0.25mA/240VAC
Output Specifications	
Output Voltage Adjustment	+ 2.0%
Ripple and Noise	100mVp-p - 150mVp-p
Rise Time	60ms
Transient Recovery Time	2ms

Hold Up Time	16ms/230VAC at full load 10ms/115VAC at full load
Line Regulation	± 0.5%
Load Regulation	± 1%
Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500V DC / 25oC / 70% RH
MTBF	450k hrs min.

Mechanical Specifications

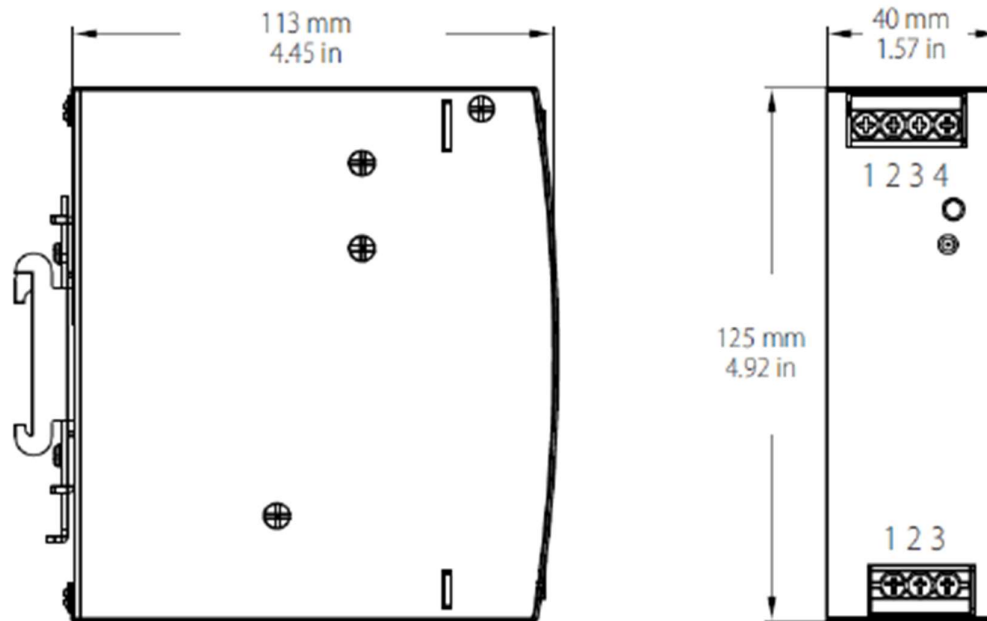
Height	113mm / 4.45in
Depth	40mm / 1.57in
Width	125mm / 4.92in
Weight	60g
Dimensions	113 x 40 x 125mm
Case Material	Fully Enclosed Plastic Case

Operation Environment Specifications

Operating Humidity	20% to 95% RH
Operating Temperature Range	-20 to 70°C
Storage Temperature Range	-40 to 85°C
Vibration Resistance	Mounting on rail : 10-500 Hz, 2G, along X, Y,Z each Axis, 60 min for each Axis

Approvals

Compliance/Certifications	UKCA, CE, cULus
Standards Met	UL508/EN62368-1/BS62368-1
Declarations	MFR Declaration of Conformity

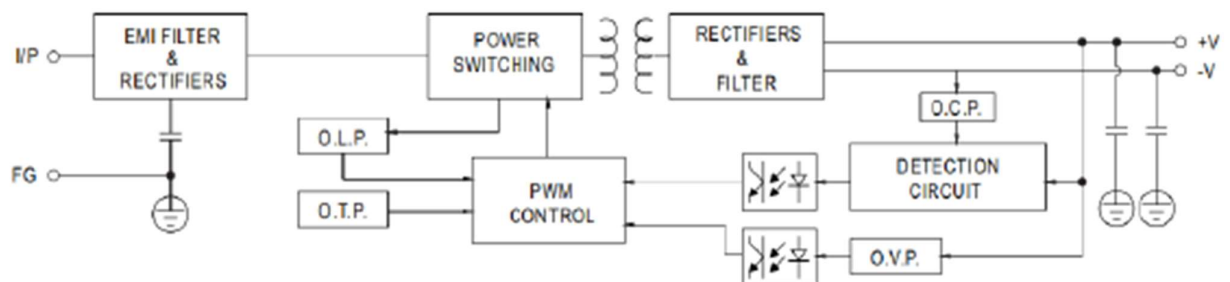


Input

No.	Description
1	FG \oplus
2	AC/N
3	AC/L

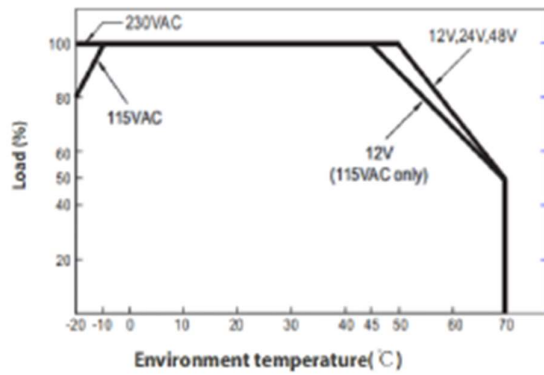
Output

No.	Description
1,2	DC OUTPUT -V
3,4	DC OUTPUT +V



Curves

Deduction Curve and Temperature



Minus Output and Input Voltage

