



PSC-151 Series



Features:

- Universal AC input (88-264V AC)
- Installed on DIN rail TS-35 / 7.5 or 15
- Built-in active PFC function, PF > 0.95
- 150% peak load capability
- 100% full load burn-in test
- Protection: SCP, OLP, OVP, OTP
- Two selectable peak load modes
- Built-in DC OK Relay contact
- Built-in Remote ON / OFF function
- 3 years warranty
- UL 508

OUTPUT

Cat. No.

PSC-15124

PSC-15148

DC VOLTAGE
RATED CURRENT
CURRENT RANGE
RATED POWER
PEAK CURRENT
PEAK POWER

24V
6.3A
0~6.3A
150W
9.45A
225W (3sec.)

48V
3.2A
0~3.2A
150W
4.8A

RIPPLE & NOISE (max)

240mVp-p

480mVp-p

VOLTAGE ADJ. RANGE
VOLTAGE TOLERANCE

-2% ~ +8%
±1.0%

-2% ~ +8%
±1.0%

LINE REGULATION
LOAD REGULATION

±0.5%
±1.0%

±0.5%
±1.0%

SETUP, RISE TIME
HOLD UP TIME (Typ.)

700ms, 30ms / 230VAC / 115VAC at full load
16ms / 230VAC; 16ms / 115VAC at full load

VOLTAGE RANGE

88 ~ 264VAC; 124 ~ 373VDC

FREQUENCY RANGE
POWER FACTOR(Typ.)
EFFICIENCY (Typ.)
AC CURRENT (Typ.)
INRUSH CURRENT (Typ.)
LEAKAGE CURRENT

Derating may apply in low input voltage. Please check the derating curve for more details.
47 ~ 63Hz
0.9 / 230VAC; 0.98 / 115VAC at full load
87%
2.0A / 115VAC; 1.0A / 230VAC
33A / 115VAC; 65A / 230VAC
<1mA/ 240VAC

87%

OVERLOAD PROTECTION

105% ~ 150% rated output power for 3 sec and then shutdown in O/P with auto-recovery.
150% or greater rated power or short circuit is constant current limiting.
If O/P drops to 40% output then it auto-recover 5 times; if fault condition is not removed during auto recovery, the system will shut down and needs to be restarted to recover.

OVER VOLTAGE

29 ~ 33V

56 ~ 65V

OVER TEMPERATURE

95 ±5°C (TSW: detect on heatsink of power diode)

Protection type: Shut down o/p voltage, recovers automatically after temperature goes down

WORKING TEMP.

-10 ~ +70°C (Refer to derating curve)

Installation clearance: 40mm from top, 20mm from bottom, 5mm from the left and right side are recommended when loaded permanently with full power. In case the adjacent device is a heat source, 15mm clearance is recommended.

WORKING HUMIDITY

20 ~ 95% RH non-condensing

STORAGE TEMP. / HUMIDITY

-40 ~ +85°C, 10 ~ 95% RH

TEMP. COEFFICIENT

±0.03% / °C (0 ~ 50°C)

VIBRATION

10 ~ 500Hz, 2G 10min. / 1cycle, 60min. each along X, Y, Z axes

SAFETY STANDARDS

UL 508 / TUV EN 60950-1

WITHSTAND VOLTAGE

I/P-O/P: 4242VDC, I/P-FG: 2121VDC, O/P-FG: 707VDC, O/P-DC OK: 707VDC

ISOLATION RESISTANCE

I/P-O/P, I/P-FG, O/P-FG: >100M Ohms / 500VDC / 25°C / 70% RH

EMI CONDUCTION & RADIATION

EN55022 (CISPR22) Class B

HARMONIC CURRENT

EN61000-3-2, -3

EMS IMMUNITY

Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204; EN55024; EN61000-6-2; (EN50082-2); EN61204-3; heavy industry level; criteria A, MEET SEMI F47

The power supply is considered a component which will installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

DC OK RELAY. CONTACT RATINGS (max)

60VDC / 0.3A, 30VDC / 1A, 30VAC / 0.5A resistive load

MTBF

62.7K HRS (MIL-HDBK-217F)

DIMENSION

55.5x125.2x99.8 mm (WxHxD)

PACKING

0.72kg; 12pcs / 12.8kg

COOLING

Free air convection

All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.

INPUT

PROTECTION

ENVIRONMENT

SAFETY & EMC

OUTPUT

Mechanical Specification

Unit : mm / inch

Terminal Pin No. Assignment (TB1)

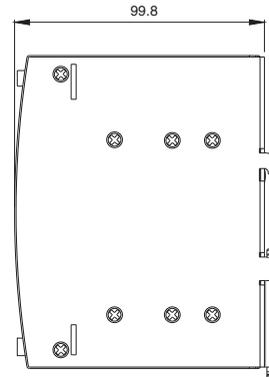
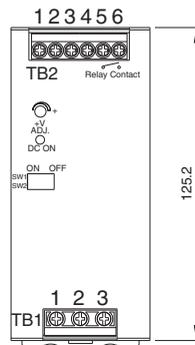
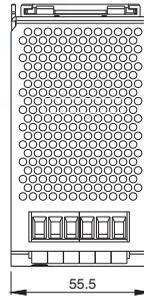
Pin NO.	Assignment
1	FG ⊕
2	AC/L
3	AC/N

Terminal Pin No. Assignment (TB2)

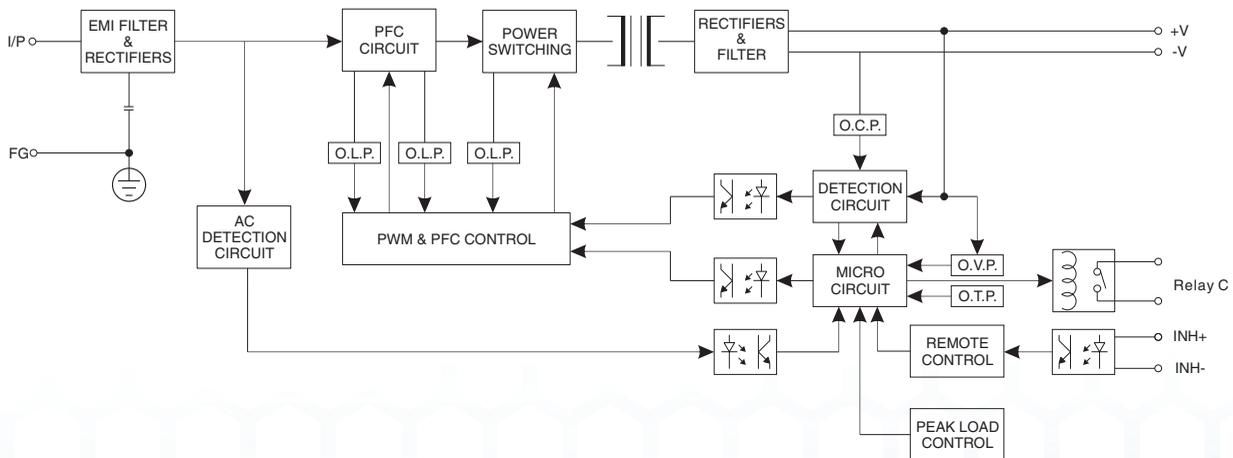
Pin NO.	Assignment
1	DC+
2	DC-
3	INH+
4	INH-
5,6	Relay Contact

Switch No. Assignment

SW NO.	Assignment
SW1	PEAK LOAD SETTING
SW2	REMOTE ON/OFF SETTING



Block Diagram



DC OK Relay Contact

Contact Close	When the output voltage reaches the adjusted output voltage.
Contact Open	When the output voltage drop below 45% rated output voltage.
Contact Ratings(max.)	30V/1A resistive load

Note: All dimensions are in millimeters, to convert to inches multiply by 0.03937.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [DIN Rail Power Supplies](#) category:

Click to view products by [Altech](#) manufacturer:

Other Similar products are found below :

[PS-3015](#) [PSP-480S48](#) [PSR-SD25](#) [PS-S6024](#) [DRP048V120W1BA](#) [DVP01PU-S](#) [DVP06AD-S](#) [DVP06XA-S](#) [DVDPNET-SL](#) [DVPDT01-S](#)
[DVPPS01](#) [DVPPS02](#) [KHNA30F-5](#) [KHNA60F-12](#) [KHNA60F-24](#) [S8JX-G01524](#) [S8JX-G01548C](#) [S8JX-G03512D](#) [S8VS-09024B-F](#) [PS-6012](#)
[PS9Z-5R1G](#) [PS-C24024](#) [PSC-9648](#) [5607189](#) [KHNA30F-24](#) [KHNA480F-24](#) [KHNA90F-12](#) [KHNA90F-24](#) [DVP08ST11N](#) [DVPACAB530](#)
[DVPCOPM-SL](#) [DVPEN01-SL](#) [DVPPF01-S](#) [S8JX-G10012](#) [S8JX-G15024](#) [CBI1210A](#) [HB5-3/OV-A+G](#) [SS14011524](#) [S8JX-G01505C](#) [S8TS-](#)
[06024-E1](#) [PS-S2012](#) [PSW-12024](#) [PS-UPS40](#) [PSC-6024](#) [S8VS-48024A-F](#) [PSD-A60W12](#) [96PS-A120WDIN](#) [PSD-A60W48](#) [S8JX-G03515CD](#)
[PSD-A40W12](#)