

# Wide Input Compact Housing Power Supply

With the PSW family, AC/DC compact DIN rail switching power supplies with single phase wide input range, Altech further expanded the power supply line. Built-in active PFC function, these high efficient power units meet the harmonic current limitation per EN61000-3-2. Equipped with 180 to 550Vac single phase wide input range, they can be used in general power system applications with single phase 230Vac input or can capture two phases from the 220~550Vac three-phase power system, which can greatly increase the flexibility of system deployment.

With up-to-date circuit design PSW series possess up to 93% of extremely high efficiency and can provide 100% power continuously at 50\*C by only free air convection, or operate under 70\*C ambient temperature by suitable power derating. The compact design in width helps save the precious space on the rail and also makes it up to 50% smaller in size compare to its predecessor models. Meanwhile, with wider input range the PSW series also has 3% higher efficiency than corresponding models, which response to the trend of green power with energy saving concept. Other standard functions include DC OK relay contact alarm signal output, front panel DC voltage adjustment , as well as protection for short-circuit, overload (constant current mode, shut down if over 3 seconds), over voltage, and over temperature. The PSW series comply with UL508, IEC60950-1 (CB), and CE certificates and also meet the EMC requirements of heavy industrial immunity level (EN61000-6-2). Suitable applications include industrial control system, semi-conductor fabrication equipment, factory automation, electromechanical applications, and marine related installation.

180~550V AC; 254-780V DC
50A at 400V AC
12V: 12-15V, 24V: 24-29V, 48V: 48-58V,
105%-130% rated output
16-18V for 12V model (PSW-120),
31-37V for 24V model; 60-67V for 48V model
2000ms, 70ms at full load and 230V AC (PSW-120)
2000ms, 150ms at full load and 230V AC (PSW240/480)
I/P-0/P:3KV AC, I/P-FG:1.5KV AC, 0/P-FG:0.5KV AC,
-20 to +70°C (-4° to +158°F),
refer to output derating curve (PSW-120)
Relay contact
UL508 (PSW-240 pending)
Compliance to EN55011 (CISPR11), EN55022 class B,
EN61000-4-2,3,4,5,6,8,11, ENV50204, EN55024,
EN61000-6-2, EN61204-3, heavy Industry Level criteria A
MIL-HDBK-217K

# **PSW Series**



- Single and two phase wide input range 180~550VAC
- Universal AC Input / Full Range
- · High efficiency up to 93% and low power dissipation
- Protections: Short circuit / Overload / Overvoltage / Over temperature
- Cooling by free air convection
- DIN rail mountable
- UL 508 (industrial control equipment) approved
- EN61000-6-2(EN50082-2) industrial immunity level
- Built-in DC OK relay contact
- 100% full load burn-in test
- 3 year warranty



# 120-480W Single Phase

WIDE INPUT POWER SUPPLIES





## **120W Single Output DIN Rail Power Supply**

Cat. No.	Output V DC	Tol. A %	Ripple & Noise	Efficiency	NOTES
PSW-12012	12V DC 1	0A ±1.5%	120 mVp-p	89.5%	
PSW-12024	24V DC 3	5A ±1%	120 mVp-p	91%	
PSW-12048	48V DC 2	.5A ±1%	150 mVp-p	92%	



## 240W Single Output DIN Rail Power Supply

Cat. No.	Outpo V DC	ut A	<b>Tol.</b> %	Ripple & Noise	Efficiency	NOTES
PSW-24024	24V DC	10A	±1%	120 mVp-p	90%	
PSW-24048	48V DC	5A	±1%	120 mVp-p	90%	

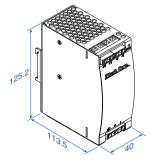


## 480W Single Output DIN Rail Power Supply

Cat. No.	Output V DC A	Tol. %	Ripple & Noise	Efficiency	NOTES
PSW-48024	24V DC 20A	±1%	100 mVp-p	94%	
PSW-48048	48V DC 10A	±1%	120 mVp-p	94%	

## **SPECIFICATIONS**

## **PSW-120 Series**

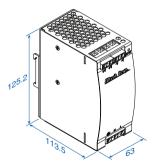


Termina	Terminal Pin. No Assign. (TB1)		
Pin No.	Assignment		
1	FG⊜		
2	AC/L2		
3	AC/L1		

Terminal Pin. No Assign. (TB2)		
Pin No. Assignment		
1,2	Relay Contact	
3	DC OUTPUT -V	
4	DC OUTPUT +V	

Universal Input: 180-550V AC, 254-780V DC full range, 0.55A/400V AC, 1.2A/230V AC Connection: Input - 3 poles, Output – 4 poles screw terminal Size (WxHxD): 40x125.2x113.5mm (1.57x4.93x4.47 inches) Packaging: 1/box; 1.433lbs / 0.65Kg

### **PSW-240 Series**



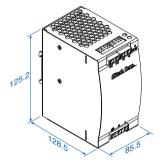
Terminal Pin. No Assign. (TB1)		
Pin No.	Assignment	
1	FG⊜	
2	AC/L2	
3	AC/L1	

Terminal Pin. No Assign. (TB2)		
Pin No.	Assignment	
1,2	Relay Contact	
3,4	DC OUTPUT -V	
5,6	DC OUTPUT +V	

Universal Input: 180-550V AC, 254-780V DC full range, 1A/400V AC, 2A/230V AC

Connection: Input - 3 poles, Output – 6 poles screw terminal Size (WxHxD): 63x125.2x113.5mm (2.48x4.93x4.47 inches) Packaging: 1/box; 2.337lbs / 1.06Kg

## **PSW-480 Series**



ľ	Terminal Pin. No Assign. (TB1)		
	Pin No.	Assignment	
	1	FG⊕	
	2	AC/L2	
	3	AC/L1	

# Pin No. Assignment 1,2 DC OUTPUT +V 3,4 DC OUTPUT -V 5,6 Relay Contact

Universal Input: 180-550V AC, 254-780V DC full range, 1.6A/400V AC, 4A/230V AC Connection: Input - 3 poles, Output - 6 poles screw terminal

Size (WxHxD): 85.5x125.2x128.5mm (3.37x4.93x5.06 inches) Packaging: 1/box; 3.748lbs / 1.7Kg



# **PSW-120 Series**

# **Specifications**

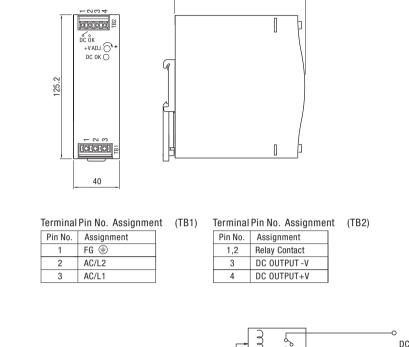


#### Features:

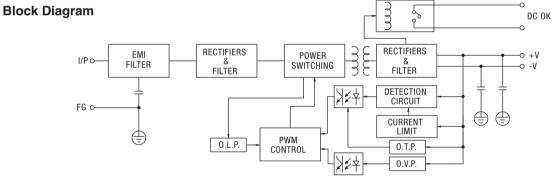
- $\bullet$  Single and two phase wide input range 180  $\sim$  550VAC
- Protections: Short Circuit / Overload / Over Voltage /
- Overtemperature
- Cooling by free air convection
- Built-in constant current limiting circuit
- DIN rail mountable
- UL508 (industrial control equipment) approved
- EN61000-6-2 (EN50082-2) industrial immunity level
- 100% full load burn-in test
- Built-in DC OK relay contact
- 3 year warranty

DUTPUT	Cat. No.	PSW-12012	PSW-12024	PSW-12048
and the second se	DC VOLTAGE	12V	24V	48V
	RATED CURRENT	10A	5A	2.5A
	CURRENT RANGE	0 ~ 10A	0 ~ 5A	0 ~ 2.5A
	RATED POWER	120W	120W	120W
	RIPPLE & NOISE (max)	120mVp-p	120mVp-p	150mVp-p
			vidth by using a 12 twisted pair-wire terminated w	
	VOLTAGE ADJ. RANGE	$12 \sim 15V$	$24 \sim 29V$	48 ~ 58V
	VOLTAGE TOLERANCE	±1.5%	±1.0%	±1.0%
	VOLIAGE TOLENANGE			1.078
		Tolerance: includes set up tolerance, line regulation	-	.0.5%
	LINE REGULATION	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±0.5%	±0.5%	±0.5%
	SETUP, RISE HOLD UP TIME		2000ms, 70ms, 10ms / 230VAC at ful	
NPUT		Length of set up time is measured at cold first st	tart. Turning ON/OFF the power supply very quick	may lead to increase of the set up time.
	VOLTAGE RANGE	180 ~ 550VAC 254	~ 780VDC	
	FREQUENCY RANGE	47 ~ 63Hz		
	EFFICIENCY (Typ.)	89.5% / 400V	91% / 400V	92% / 400V
	AC CURRENT	0.55A / 400VAC 1.2A / 230VAC		
	INRUSH CURRENT (Typ.)	COLD START 50A		
DOTECTION	LEAKAGE CURRENT	$\leq 3.5 \text{ mA} / 530 \text{VAC}$		
PROTECTION	LEARAGE CONNENT	≤ 5.5 IIIA / 550VAC		
	OVERLOAD	105 ~ 130% rated output power		
		Protection type: Constant current limiting, recover	rs automatically after fault condition is removed	
	OVERVOLTAGE	$16 \sim 18V$	31 ~ 37V	60 ~ 67V
	OVENVOEIAGE	Protection type: Shut down overvoltage, re-power		00~071
	OVERTEMPERATURE			r owitch transistor.
	OVERTEIMPERATURE		) (TSW1) detect on heat sink of powe	switch transistor;
		$100^{\circ}C \pm 5^{\circ}C$ (48V) (TSW1) detect on		
		Protection type: Shut down overvoltage, re-power		
ENVIRONMENT	DC OK SIGNAL	Relay contact rating (max.): 30V / 1A	resistive	
	WORKING TEMP.	$-25 \sim +70^{\circ}$ C (Refer to output load de	erating curve)	
	WORKING HUMIDITY	20 ~ 90% RH non-condensing	3 ,	
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH		
	TEMP. COEFFICIENT	$\pm 0.03\%$ / °C (0 ~ 50°C)		
SAFETY & EMC	VIBRATION	,	nin. each long X,Y, Z axes Mounting cl	in: Compliance to IEC60068-2
DAILITALINO				
	SAFETY STANDARDS	UL508 approved		
		IEC60950-1 compliant		
	WITHSTAND VOLTAGE		O/P-FG:0.5KVAC O/P-DC OK:0.5KV	/AC
	ISOLATION RESISTANCE	I/P-0/P, I/P-FG, 0/P-FG: 100M 0hms/	/500VDC (25°C; 70% RH)	
	EMI CONDUCTION & RADIATION	Compliance to EN55011 (CISPR11),	EN55022 (CISPR22), EN61204-3 Class	is B
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,	,8,11; ENV50204; EN61204-3; EN610	00-6-2; (EN50082-2),
		heavy industry level; criteria A,		
			nich will installed into a final equipment. The final	equipment must be
THEBS				
DTHERS		re-confirmed that it still meets EMC directives.		
DTHERS	MTBF	re-confirmed that it still meets EMC directives. 268K hrs min. MIL-HDBK-217K (25		
DTHERS	DIMENSION	re-confirmed that it still meets EMC directives. 268K hrs min. MIL-HDBK-217K (25 40x125.2x113.5mm (WxHxD)		
)THERS		re-confirmed that it still meets EMC directives. 268K hrs min. MIL-HDBK-217K (25		

#### **Mechanical Specification**



113.5



#### **Derating Curve**

100

80

60

40

20

-25

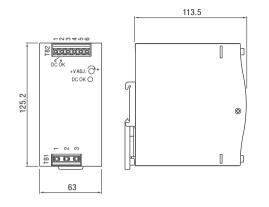
LOAD (%)

#### 100 Others 90 80 LOAD (%) 12V 70 60 50 40 50 70 (VERTICAL) 180 190 200 250 290 310 360 400 450 490 500 520 550 10 20 30 40 60 0 AMBIENT TEMPERATURE (°C) INPUT VOLTAGE (V) 60Hz

#### **Static Characteristics**

	PSW-240 Specification	Series s	High efficier     Protections:     Overtemper     Cooling by f     DIN rail mod     UL 508 (ind     EN61000-6     Built-in DC	free air convection untable lustrial control equipment) approved -2 (EN50082-2) industrial immunity level OK relay contact vad burn-in test
OUTPUT	Cat. No.	PSW-24024		PSW-24048
	DC VOLTAGE RATED CURRENT CURRENT RANGE RATED POWER RIPPLE & NOISE (max) VOLTAGE ADJ. RANGE VOLTAGE TOLERANCE	24V 10A 0 ~ 10A 240W 150mVp-p Ripple & noise are measured at 20MHz 24 ~ 28V ±1.0%	: of bandwidth by using	$\begin{array}{l} 48V\\ 5A\\ 0\sim 5A\\ 240W\\ 150mVp-p\\ a 12\ \text{twisted pair-wire terminated with a } 0.1\mu\text{F }\&47\mu\text{F parallel capacitor.}\\ 48\sim 55V\\ \pm 1.0\% \end{array}$
INPUT	Line Regulation Load Regulation Setup, Rise, Hold up Time	Tolerance: includes set up tolerance, $\pm 0.5\%$ $\pm 1.0\%$ 800ms, 150ms, 18ms / 400		d regulation. ±0.5% ±1.0% is, 150ms, 18ms / 230VAC at full load
PROTECTION	VOLTAGE RANGE FREQUENCY RANGE EFFICIENCY (Typ.) AC CURRENT INRUSH CURRENT (Typ.) LEAKAGE CURRENT	47 ~ 63Hz 91%		neck the derating curve for more details
ENVIRONMENT	OVERLOAD OVERVOLTAGE OVERTEMPERATURE DC OK RELAY CONTACT RATINGS (max.)	$\begin{array}{l} 105 \sim 130\% \ rated \ output \ p \\ \ Protection \ type: \ Constant \ current \ limitin \\ 29 \sim 33V \\ \ Protection \ type: \ Shut \ down \ overvoltag \\ \ Under \ over-voltage \ condition, \ If \ input \\ after \ several \ seconds \\ 90^\circ C \ \pm \ 5^\circ C \ (TSW) \ detect \ on \end{array}$	ng, unit will shut down a ge, re-power on to reco voltage $\leq$ 200VAC, the heat sink of pow overvoltage, reco	e power supply will shut down and then may have auto-recovery ver switch overs automatically after temperature goes down
SAFETY & EMC	Working Temp. Working Humidity Storage Temp., Humidity Temp. Coefficient Vibration Mounting		, 20mm on the bottom the adjacent device is ing 1 cle, 60 min. each	I, 5mm on the left and right side are recommended when loaded a heat source, 15mm clearance is recommended.
OTHERS	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMI CONDUCTION & RADIATION HARMONIC CURRENT EMS IMMUNITY	EN61204-3; heavy industry	00M Ohms / 500' 3 2,-3 2,3,4,5,6,8,11; El level; criteria A a mponent which will ins	NV50204; EN 55024; EN61000-6-2; (EN50082-2); approved; stalled into a final equipment. The final
	MTBF DIMENSION PACKING	141.1K hrs min. MIL-HDB 63x125.2x113.5mm (WxHxI 1.06Kg; 12pcs / 13.7Kg / 1. All parameters NOT specially mention	) 06CUFT	00VAC input, rated load and 25°C of ambient temperature.

#### **Mechanical Specification**

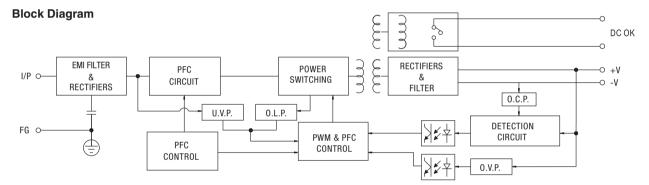


Terminal Pin No. Assignment (TB1)

Pin No.	Assignment
1	FG 🖶
2	AC/L2
3	AC/L1

Pin No.	Assignment
1,2	Relay Contact
3,4	DC OUTPUT +V
5.6	DC OUTPUT -V

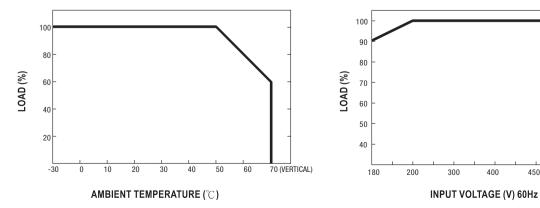
Terminal Pin No. Assignment (TB2)



#### **DC OK Relay Contact**

Contact Close	PSU turns on / DC OK.
Contact Open	PSU turns off / DC Fail.
Contact Ratings (max.)	30V/1A resistive load.





**Output Derating VS Input Voltage** 

400

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500 550

450



# **PSW-480 Series**

# **Specifications**

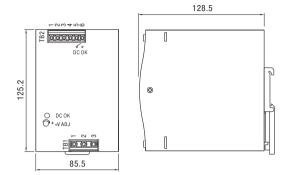


#### Features:

- Single and two phase wide input range 180~550VAC
- High efficiency 93% and low power dissipation
- Protections: Short Circuit / Overload / Over Voltage / Overtemperature
- Cooling by free air convection
- DIN rail mountable
- UL 508(industrial control equipment) approved
- EN61000-6-2 (EN50082-2) industrial immunity level
- Built-in DC OK relay contact
- 100% full load burn-in test
- 3 year warranty

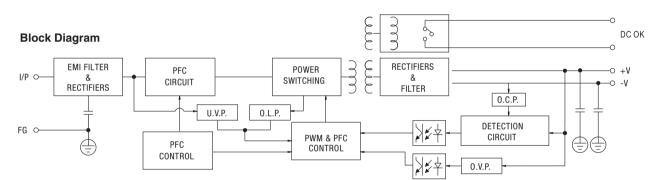
OUTPUT	Cat. No.	PSW-48024	PSW-48048
	DC VOLTAGE	24V	48V
	RATED CURRENT	20A	10A
	CURRENT RANGE	0 ~ 20A	0 ~ 10A
	RATED POWER	480W	480W
	RIPPLE & NOISE (max)	100mVp-p	150mVp-p
		Ripple & noise are measured at 20MHz of bandwidth by using	a 12 twisted pair-wire terminated with a $0.1 \mu F$ & $47 \mu F$ parallel capacit
	VOLTAGE ADJ. RANGE	24 ~ 28V	48 ~ 55V
	VOLTAGE TOLERANCE	±1.0%	±1.0%
		Tolerance: includes set up tolerance, line regulation and loa	
	LINE REGULATION	±0.5%	±0.5%
	LOAD REGULATION	±1.0%	±1.0%
INPUT	SETUP, RISE, HOLD UP TIME	800ms, 150ms, 18ms / 400VAC 2000m	is, 150ms, 16ms / 230VAC at full load
	VOLTAGE RANGE	180 ~ 550VAC 254 ~ 780VDC	
		Derating may be needed under low input voltage. Please ch	neck the derating curve for more details
	FREQUENCY RANGE	$47 \sim 63$ Hz	
			0001
	EFFICIENCY (Typ.)	92%	93%
	AC CURRENT	1.6A / 400VAC 4A / 230VAC	
	INRUSH CURRENT (Typ.)	COLD START 50A	
PROTECTION	LEAKAGE CURRENT	$\leq$ 3.5 mA / 530VAC	
	OVERLOAD	105 ~ 130% rated output power	
		Protection type: Constant current limiting, unit will shut down a	after 3 sec.; auto recovery after 1 minute if the fault condition is remov
	OVERVOLTAGE	29 ~ 33V	56 ~ 65V
		Protection type: Shut down overvoltage; auto recovery after	1 minute if the fault condition is removed
		Under over-voltage condition, If input voltage $\leq$ 200VAC, the	e power supply will shut down and then may have auto-recovery af
		several seconds.	
	OVERTEMPERATURE	$95^{\circ}C \pm 5^{\circ}C$ (TSW) detect on heat sink of pow	ver switch
		Protection type: Shut down overvoltage, recovers automatic	
ENVIRONMENT	DC OK RELAY CONTACT RATINGS (max.)	60VDC / 0.3A; 30VDC / 1A; 30VAC / 0.5A re	
	WORKING TEMP.	-30 ~ +70°C (Refer to output load derating of	
			, 5mm on 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, 60 min. each	n long X.Y. Z axes
SAFETY & EMC			
SAILIT & LIND	MOUNTING		
on en a ento	MOUNTING	Compliance to IEC60068-2-6	
	SAFETY STANDARDS	UL508 approved	
		•	
		UL508 approved IEC 60950-1 compliant	
	SAFETY STANDARDS	UL508 approved IEC 60950-1 compliant Design refer to GL	·በ 5KV/ΔC በ/₽-DC በK·በ 5KV/ΔC
	SAFETY STANDARDS	UL508 approved IEC 60950-1 compliant Design refer to GL I/P-O/P: 3KVAC I/P-FG:1.5KVAC O/P-FG	:0.5KVAC 0/P-DC 0K:0.5KVAC
	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	UL508 approved IEC 60950-1 compliant Design refer to GL I/P-O/P: 3KVAC I/P-FG:1.5KVAC 0/P-FG I/P-O/P, I/P-FG, 0/P-FG: 100M 0hms / 500VE	
	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMI CONDUCTION & RADIATION	UL508 approved IEC 60950-1 compliant Design refer to GL I/P-O/P: 3KVAC I/P-FG:1.5KVAC 0/P-FG I/P-O/P, I/P-FG, 0/P-FG: 100M 0hms / 500VE EN55022 (CISPR22), EN61204-3 Class B	
	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	UL508 approved IEC 60950-1 compliant Design refer to GL I/P-O/P: 3KVAC I/P-FG:1.5KVAC 0/P-FG I/P-O/P, I/P-FG, 0/P-FG: 100M 0hms / 500VE	
	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMI CONDUCTION & RADIATION	UL508 approved IEC 60950-1 compliant Design refer to GL I/P-0/P: 3KVAC I/P-FG:1.5KVAC 0/P-FG I/P-0/P, I/P-FG, 0/P-FG: 100M 0hms / 500VE EN55022 (CISPR22), EN61204-3 Class B Compliance to EN61000-3-2,-3	
	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMI CONDUCTION & RADIATION HARMONIC CURRENT	UL508 approved IEC 60950-1 compliant Design refer to GL I/P-0/P: 3KVAC I/P-FG:1.5KVAC 0/P-FG I/P-0/P, I/P-FG, 0/P-FG: 100M 0hms / 500VE EN55022 (CISPR22), EN61204-3 Class B Compliance to EN61000-3-2,-3	DC (25°C; 70% RH) NV50204; EN 55024; EN61000-6-2; (EN50082-2);
	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMI CONDUCTION & RADIATION HARMONIC CURRENT	UL508 approved IEC 60950-1 compliant Design refer to GL I/P-0/P: 3KVAC I/P-FG:1.5KVAC 0/P-FG I/P-0/P, I/P-FG, 0/P-FG: 100M 0hms / 500VE EN55022 (CISPR22), EN61204-3 Class B Compliance to EN61000-3-2,-3 Compliance to EN61000-4-2,3,4,5,6,8,11; E EN61204-3; heavy industry level; criteria A a	DC (25°C; 70% RH) NV50204; EN 55024; EN61000-6-2; (EN50082-2); approved;
	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMI CONDUCTION & RADIATION HARMONIC CURRENT	UL508 approved IEC 60950-1 compliant Design refer to GL I/P-0/P: 3KVAC I/P-FG:1.5KVAC 0/P-FG I/P-0/P, I/P-FG, 0/P-FG: 100M 0hms / 500VD EN55022 (CISPR22), EN61204-3 Class B Compliance to EN61000-3-2,-3 Compliance to EN61000-3-2,-3 Compliance to EN61000-4-2,3,4,5,6,8,11; E EN61204-3; heavy industry level; criteria A a The power supply is considered a component which will im	DC (25°C; 70% RH) NV50204; EN 55024; EN61000-6-2; (EN50082-2); approved;
OTHERS	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMI CONDUCTION & RADIATION HARMONIC CURRENT EMS IMMUNITY	UL508 approved IEC 60950-1 compliant Design refer to GL I/P-0/P: 3KVAC I/P-FG:1.5KVAC 0/P-FG I/P-0/P, I/P-FG, 0/P-FG: 100M 0hms / 500VE EN55022 (CISPR22), EN61204-3 Class B Compliance to EN61000-3-2,-3 Compliance to EN61000-4-2,3,4,5,6,8,11; E EN61204-3; heavy industry level; criteria A a The power supply is considered a component which will in re-confirmed that it still meets EMC directives.	DC (25°C; 70% RH) NV50204; EN 55024; EN61000-6-2; (EN50082-2); approved;
	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMI CONDUCTION & RADIATION HARMONIC CURRENT EMS IMMUNITY MTBF	UL508 approved IEC 60950-1 compliant Design refer to GL I/P-0/P: 3KVAC I/P-FG:1.5KVAC 0/P-FG I/P-0/P, I/P-FG, 0/P-FG: 100M 0hms / 500VD EN55022 (CISPR22), EN61204-3 Class B Compliance to EN61000-3-2,-3 Compliance to EN61000-4-2,3,4,5,6,8,11; EI EN61204-3; heavy industry level; criteria A a The power supply is considered a component which will im re-confirmed that it still meets EMC directives. 112.8K hrs min. MIL-HDBK-217K (25°C)	DC (25°C; 70% RH) NV50204; EN 55024; EN61000-6-2; (EN50082-2); approved;
	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMI CONDUCTION & RADIATION HARMONIC CURRENT EMS IMMUNITY	UL508 approved IEC 60950-1 compliant Design refer to GL I/P-0/P: 3KVAC I/P-FG:1.5KVAC 0/P-FG I/P-0/P, I/P-FG, 0/P-FG: 100M 0hms / 500VE EN55022 (CISPR22), EN61204-3 Class B Compliance to EN61000-3-2,-3 Compliance to EN61000-4-2,3,4,5,6,8,11; E EN61204-3; heavy industry level; criteria A a The power supply is considered a component which will in re-confirmed that it still meets EMC directives.	DC (25°C; 70% RH) NV50204; EN 55024; EN61000-6-2; (EN50082-2); approved;
	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMI CONDUCTION & RADIATION HARMONIC CURRENT EMS IMMUNITY MTBF	UL508 approved IEC 60950-1 compliant Design refer to GL I/P-0/P: 3KVAC I/P-FG:1.5KVAC 0/P-FG I/P-0/P, I/P-FG, 0/P-FG: 100M 0hms / 500VD EN55022 (CISPR22), EN61204-3 Class B Compliance to EN61000-3-2,-3 Compliance to EN61000-4-2,3,4,5,6,8,11; EI EN61204-3; heavy industry level; criteria A a The power supply is considered a component which will im re-confirmed that it still meets EMC directives. 112.8K hrs min. MIL-HDBK-217K (25°C)	DC (25°C; 70% RH) NV50204; EN 55024; EN61000-6-2; (EN50082-2); approved;

#### **Mechanical Specification**



Terminal Pin No. Assignment (TB1) Terminal Pin No. Assignment (TB2)

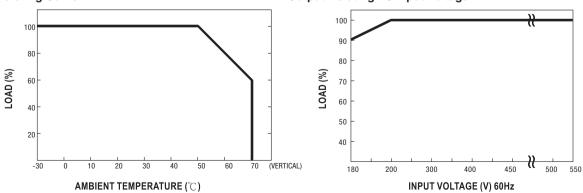
Pin No.	Assignment	Pin No.	Assignment
1	FG 🖶	1,2	DC OUTPUT +V
2	AC/L2	3,4	DC OUTPUT -V
3	AC/L1	5,6	Relay Contact



#### **DC OK Relay Contact**

Contact Close	PSU turns on / DC OK.
Contact Open	PSU turns off / DC Fail.
Contact Ratings (max.)	30V/1A resistive load.

#### **Derating Curve**



**Output Derating VS Input Voltage**