	100000
	a abertante
1	And and the second

PSB-120 Series (2 Phase)

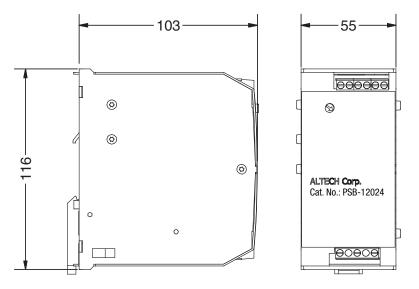
Specifications



Features:

- Multiple overload/ short circuit protection modes
- Efficiency above 91%
- Small size
- DIN rail mountable
- Cooling by free air convection
- UL508 (industrial control equipment) approved
- EN60950-1
- Built-in DC OK relay contact
- 3 year warranty

OUTPUT	Cat. No.	PSB-12024
	DC VOLTAGE	24 V
	RATED CURRENT	5A
	CURRENT RANGE	0 - 5 A
	RATED POWER	120 W
	RIPPLE & NOISE (max)	100 mVp-p
	······································	Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µF & 47µF parallel capacitor.
	VOLTAGE ADJ. RANGE	$22 \text{ V} \sim 27 \text{ V}$
	VOLTAGE TOLERANCE	-0.03
	VOLIAGE TOLENANCE	Tolerance: includes set up tolerance, line regulation and load regulation.
	START UP WITH STRONG LOAD	
		≤ 50,000 µF
	CURRENT SHORT CIRCUIT Icc	12A May 2 and a literary mode
		Max 2 sec.: Hiccup mode
		Permanent: Continuous mode
	DISSIPATION POWER LOAD mas	11 W
	LINE REGULATION	± 0.5%
	LOAD REGULATION	± 1%
	SETUP, RISE TIME	1 sec. (max)
		Length of set up time is measured at cold first start. Turning ON/OFF the power supply may lead to increase of the set up time.
INPUT	HOLD UP TIME (Typ.)	Typ. 20 msec
	VOLTAGE RANGE	187 ~ 264 V AC / 330 ~ 550V AC by switch
	FREQUENCY RANGE	47 ~ 63 Hz +-6%
	EFFICIENCY (Typ.)	>91 %
	AC CURRENT (115 – 230 Vac.)	1.0 ~ 0.58 ~ 0.46A
	INRUSH CURRENT (Typ.)	< 11 A < 5 msec
	INTERNAL FUSE	T 4 A
PROTECTION	EXTERNAL FUSE (recommended) LEAKAGE CURRENT	10 A (MCB curve B) < 1.5 mA @ 230 Vac
THOTEOHON	OVERLOAD	In (60°C) x 1.5 ³ 3 min.;
	OVENEOAD	Current max. Overload @ 4Vdc (permanent) Imax=In (60°C) x (1.8 ~ 2.2)
	OVER VOLTAGE	30 - 35 Vdc
	OVER TEMPERATURE	
		Yes. Shuts down output and automatically restarts when the temperature inside goes down
ENVIRONMENT	SHORT CIRCUIT PROTECTION	1 Hiccup Mode / 2 Fold Back / 3 Restart After Main - Selectable
	DC OK AKTIV SIGNAL (max.)	20 ~ 30 Vdc
	WORKING TEMP.	-25 up to +70 °C (>60°derating 2.5% °C)
	HUMIDITY	95 % at 25°C, no condensation
	STORAGE TEMP	-40 up to +85 °C
	TEMP. COEFFICIENT	$\pm 0.03\% / C^{\circ} (0 - 60 \ ^{\circ}C)$
SAFETY & EMC	VIBRATION	In according to IEC60068-2-6
	SAFETY STANDARDS	UL508 approved, IEC/EN 60950, EN 50178, IEC/EN 60950, EN60950-1, PELV EN 60204-1
	WITHSTAND VOLTAGE	I/P-0/P: 3k VAC I/P-FG: 1.6k VAC 0/P-FG: 500 VAC
	PROTECTION CLASS	IP 20 (EN/IEC 60529)
	ISOLATION RESISTANCE	100 MΩ (min) @ 500 Vdc
	EMI CONDUCTION & RADIATION	EN61000-6-4
	HARMONIC CURRENT	EN61000-3-2
	EMS IMMUNITY	EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5,
		EN 61000-4-6, EN61000-6-2,
		1.1 0.1000 1 0, 1.101000 0 1,
		The power supply is considered a component which will be installed into a final equipment. The final equipment must be
OTHERS		
OTHERS	MTBF IEC 61709	The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. > 500.000 h
OTHERS	MTBF IEC 61709 POLLUTION DEGREE	The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. > 500.000 h 2
OTHERS		The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. > 500.000 h
OTHERS	POLLUTION DEGREE	The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. > 500.000 h 2
OTHERS	POLLUTION DEGREE CONNECTION TERMINAL BLOCK	The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. > 500.000 h 2 2.5 mm Screw (24 ~ 14 AWG)



TB1 Terminal Pin. No Assignment

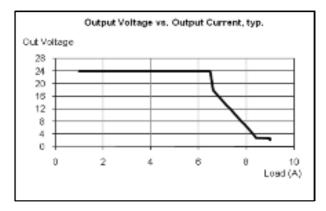
Assignment		
(2 phase)		
N/L		
L/L		
FG⊕		

TB2 Terminal	Pin.	No Assignment
--------------	------	---------------

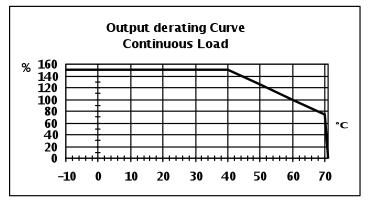
Pin No.	Assignment
1,2	DC output -V
3,4	DC output +V
5,6	DC OK relay contacts

DC OK Relay Contact

Outputs are used for preventive function monitoring of the power supply. An electrically isolated signal contact is available. The signal contact closes when the output power is OK and opens when the output voltage falls below $20Vdc \pm 5\%$.



Output Derating Curve



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