



POS-8K1000

Multi channel CCTV power supply 8 output 12V/1A



■ Features:

- Output protections: Short circuit / Overload
- Cooling by free air convection
- Output channels protected by fuse
- LED indicators for each channel fail
- LED indicator for supply unit power on
- Relay contacts for each distribution module power on

ELECTRICAL SPECIFICATION

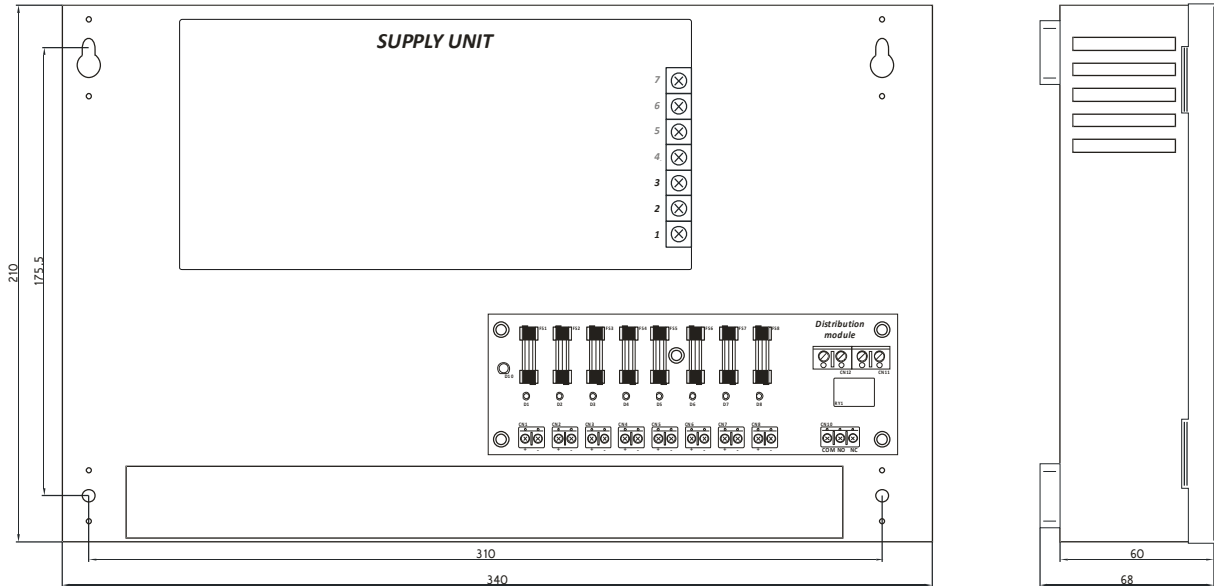
MODEL		POS-8K1000
OUTPUT	Rated voltage	12VDC
	Voltage adjustment range of supply unit	10.8 ÷ 13.2V
	Channel quantity	8
	Rated current per channel	1A
	Rated power of supply unit	96W
	Ripple & noise (typ.)	240mV _{p,p}
	Tolerance [2]	± 5%
INPUT	Voltage range	180 ÷ 264VAC / 50Hz
	Efficiency (typ.)	77%
	Input current	1.5A / 230VAC
	Inrush current (max.)	60A / 230VAC
CHANNEL PROTECTIONS	Overload	Range: above 102% rated channel current Type: one-time, fuse blown, need replace fuse to recovery.
	Short circuit	Type: one-time, fuse blown, need replace fuse to recovery.
FUNCTIONALITY	Indicator for supply unit power on	Green LED indicator at front side of case: light -> mains on; dark -> mains off
	Relay contacts for each distribution module power on	CN10 connector at distribution module no. 1 and 2. Relay contact rating: 1A/30V
	Indicators for each output channel fail	Red LEDs D1 to D8 at distribution module no. 1 and 2: light -> channel fail; dark -> channel ok
ENVIRONMENT	Working temperature	-10°C ÷ +45°C
	Working humidity	20 ÷ 90% RH non-condensing
	Storage temperature and humidity	-20°C ÷ +60°C, 10 ÷ 95% RH non-condensing
SAFETY AND EMC STANDARDS	Safety standards	Compliance to EN60950-1
	Withstand voltage	IN – OUT: 2.5kVAC; IN – FG: 1.5kVAC, OUT – FG: 0.5kVAC
	EMC emission	Compliance to EN55022
	EMC immunity	Compliance to EN61000-4-2, -4, -5, -11
OTHERS	Dimensions inner / outer	340*210*60 (W*L*D); 344*214*69 (W*L*D)
	N.W. / G.W.	2.2kg / 2.4kg
[*]	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Tolerance includes set up tolerance, line regulation and load regulation. 3. According to EN61204 power supply is considered as component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment must be re-qualified to comply with EMC Directives.	



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MECHANICAL SPECIFICATION



Supply unit - INPUT			Distribution module – INDICATIONS		
No	Assignment	Description	FS1-FS8	Output channel fuses	Glass fuse F1A 5x20mm
1	AC/L	Input AC/L phase	D1-D8	LED indication for each channel fail	RED LED, designation of LED corresponds to channel number
2	AC/N	Input AC/N neutral	CN10	Relay contact for each distribution module power on	Short between COM and NO contacts – proper working Short between CON and NC contacts – fail (no supply voltage of distribution module)
3	GND	Protective earth	Distribution module – OUTPUTS		
			CN1-CN8: 1	V _{OUT+}	Output voltage positive
			CN1-CN8: 2	V _{OUT-}	Output voltage common

Green LED DC OK	Description	Remarks
	Proper working of supply unit	-
	No supply of distribution modules	Check mains and connection between supply unit and distribution modules
- dark	- light	