MCHQ200V12

Constant Voltage LED Power Supply 12V IP67 200W

■ FEATURES:

- Universal input voltage range
- Protection: Short circuit / Over load / Over temperature
- Cooling by free air convection
- Tested under full load
- Built-in active power factor correction PFC
- IP67 - may be used for internal and external applications

ELECTRICAL SPECIFICATION

MODEL		MCHQ200V12
OUTPUT	Rated voltage	*12V*
	Rated current	*15A*
	Current range	*0 ÷ 15A*
	Rated power	*180W*
	Ripple & noise (typ.)	*440mV$_{P-P}$*
	Voltage tolerance	*±5%*
INPUT	Voltage range	*90 ÷ 264VAC*
	Frequency range	*47 ÷ 63Hz*
	PFC	*>0.95 / 230VAC full load*
	Efficiency (typ.)	*90%*
	AC current (typ.)	*1.3A / 230VAC*
	Inrush current (max.)	*75A / 230VAC (cold start)*
	Leakage current	*1mA/230VAC*
PROTECTIONS	Short circuit	*Type: hiccup mode, auto-recovery*
	Over load	*Range: 110 ÷ 160 % of the nominal*
		Auto-recovery.
	Over voltage	*Range: the voltage at the output terminals 14 ÷ 20VDC*
		Type: hiccup mode, auto-recovery
	Over temperature	*Detection of the main control circuit*
		Type: hiccup mode, auto-recovery
ENVIRONMENT	Working temperature	*-20°C ÷ +45°C*
	Working humidity	*20 ÷ 90% RH (non-condensing)*
	Storage temperature and humidity	*-30°C ÷ +70°C; 10 ÷ 95% RH (non-condensing)*
SAFETY REGULATIONS & EMC	Safety standards	*EN61347-1, EN61347-2-13*
	Withstand voltage	*I-O: 3.75kVAC; I-P: 3.75kVAC; O-P: 1.88kVAC*
	Emission - EMI	*EN55015, EN61000-3-2, EN61000-3-3*
	Immunity - EMI	*EN61547*
OTHERS	Dimensions	*237*67*42mm*
	Weight	*1.3kg*
	1. All parametrs NOT specially mentioned are measured at 230VAC input rated load and 25°C temperature. *2. Tolerance expresses the maximum range of the output voltage by switching taking into account changes depending on the input voltage and changes according to changes in load current.* *3. The power supply is according to the standard EN61204 component designed for installation in the final product by qualified personnel and should not be treated as a stand-alone device. The final effect of electromagnetic compatibility is determined for the final product, the declaration of conformity is required for all installation.*	

MECHANICAL SPECIFICATION