

MCHQ320V48-GE

LED Driver 48V/6,67A 320W CV, metal case, PFC, EU AC input (180-305VAC), IP67, non-adjustable



Features

- Constant Voltage Design
- EU AC input voltage range (max. 305VAC)
- Built in active PFC function
- Protections: Overload / Shortcircuit / Overvoltage / Overtemperature
- Cooling by free air convection
- High surge resistance: 4kV - differential mode, 6kV - common mode
- Waterproof IP67

tc: 90°C
ta: 40°C

CONSTANT CURRENT



ELECTRICAL SPECIFICATION

Product Type	LED Driver, Power supply, Industrial Power Supply
Output Voltage	48V DC
Rated Current	6.67 A
Power (W)	320 W
Dimming	No
Voltage Ripple & Noise (max.)	± 2%
Line Regulation	± 1%
Load Regulation	± 1%
Setup, Rise Time	100ms, 300ms / 230Vac
AC input voltage range	European
Protection class	I
PFC	Yes
AC Current (typ.)	1.3A/230VAC
No Load Power Consumption (typ. / max.)	0.5W / 230VAC
Inrush Current (typ.)	63A / 230VAC; TWIDTH = 1000µs
IP protection level	IP67
Leakage Current (max.)	0.7mA / 230VAC at full load
Over Current / Overload protection	Type: hiccup mode, auto-recovery.
Over Current / Overload protection (range)	Range: 110 ÷ 160% rated load
Short Circuit protection	Type: hiccup mode, auto-recovery.
Over Voltage protection (range)	Range: 150% rated voltage

Over Voltage protection	Type: shut down output voltage. Re-power on to recovery.
Over Temperature protection	Type: shut down output voltage. Re-power on to recovery.
Working Temperature range	-40°C ÷ +55°C; tc=90°C (refer to derating curve)
Working Humidity range	10 ÷ 90% RH non-condensing
Storage Temperature and Humidity	-40°C ÷ 85°C, 10 ÷ 90% RH non-condensing
Safety Standards	Compliance to EN 61347-1, EN 61347-2-13
Withstand Voltage	IN/OUT: 3200VAC / 5mA, 60s ; IN/GND: 1600VAC / 5mA, 60s ; OUT/GND: 1000VAC / 5mA, 60s
Isolation Resistance	IN/OUT: ≥ 10MΩ / 500VDC
EMC Emission	EN62493:2015, Compliance to EN55015
EMC Immunity	EN61547
Harmonic Current	Compliance to EN61000-3-2, EN61000-3-3
Dimensions (L x W x H)	261 x 62.5 x 41.4mm
Weight (kg)	1.19
Packing	10 pcs/box
Warranty	5 years
Mounting	surface
Programmable	No

MECHANICAL SPECIFICATION

INPUT

H05RN-F 105°C 3Gx1.0mm²
length = 300mm ± 30mm

OUTPUT

12V: SJTW, 2x2*14AWG / 2x2*2.08mm², 105°C
24V: SJTW, 2*14AWG / 2*2.08mm², 105°C
length = 300mm ± 30mm

AC/L(brown)
AC/N(blue)
GND(yellow-green)

V+ (white)
V- (black)
V+ (white)
V- (black)

