

# MCHQ240V24-GE

LED Driver 24V/10A 240W CV, metal case, PFC, EU AC input (180-305VAC), IP67, non-adjustable



Opis

### Features:

- European AC input / Full range(200-277VAC)
- Built-in active PFC function
- IP67, Metal Case
- Suitable for indoor and outdoor environment
- Protections: Short circuit / Over voltage / Over temperature
- Adopt metal shell and internal glue potting, can be used in dangerous situations
- Built in lightning protection device can meet the requirements of DM 4KV / CM 6kV
- Compliance to worldwide safety regulations for lighting
- 5 years warranty



## ELECTRICAL SPECIFICATION

|  |                                   |
|--|-----------------------------------|
| Product Type                               | LED Driver, Power supply          |
| Output Voltage                             | 24V DC                            |
| Rated Current                              | 10A                               |
| Power (W)                                  | 240 W                             |
| Dimming                                    | No                                |
| Voltage Ripple & Noise (max.)              | ±2% PK-PK @ Full load             |
| Line Regulation                            | ±1% Full Load                     |
| Load Regulation                            | ±1% Full Load                     |
| Setup, Rise Time                           | 100ms, 300ms / 230Vac             |
| AC input voltage range                     | European                          |
| PFC  | Yes                               |
| Protection class                           | I                                 |
| Efficiency (typ.)                          | 94%                               |
| No Load Power Consumption (typ. / max.)    | 0.5W / 230V AC                    |
| AC Current (typ.)                          | 1.3A/230V AC                      |
| Inrush Current (typ.)                      | 62A / 230VAC; TWIDTH = 1400µs     |
| IP protection level                        | IP67                              |
| Leakage Current (max.)                     | 0.7mA / 230VAC at full load       |
| Short Circuit protection                   | Type: hiccup mode, auto-recovery. |
| Over Current / Overload protection         | Type: hiccup mode, auto-recovery. |
| Over Current / Overload protection (range) | 110 ÷ 160% rated load             |

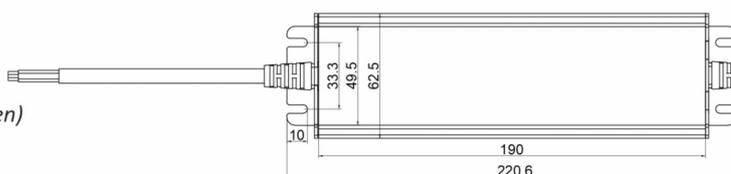
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|---|--|
| <b>Over Voltage protection (range)</b>  | 150% rated output voltage  |
| <b>Over Voltage protection</b>          | Type: shut down output voltage. Re-power on to recovery.                               |
| <b>Over Temperature protection</b>      | Type: shut down output voltage. Re-power on to recovery.                               |
| <b>Working Temperature range</b>        | -40°C ÷ +65°C; tc=90°C (   |
| <b>Working Humidity range</b>           | 10 ÷ 90% RH non-condensing   |
| <b>Storage Temperature and Humidity</b> | -40°C ÷ 85°C, 10 ÷ 90% RH non-condensing   |
| <b>Safety Standards</b>                 | Compliance to EN 61347-1, EN 61347-2-13  |
| <b>Withstand Voltage</b>                | I/P-O/P: 3200VAC/5mA Max 60s, O/P-FG 1000V AC/5mA max 60s, I/P-FG 1600V AC/5mA max 60s |
| <b>Isolation Resistance</b>             | IN/OUT: ≥ 10MΩ / 500VDC  |
| <b>EMC Emission</b>                     | EN62493:2015, Compliance to EN55015  |
| <b>EMC Immunity</b>                     | Compliance to EN61547  |
| <b>Dimensions (L x W x H)</b>           | 220.6 x 62.5 x 41.3mm  |
| <b>Weight (kg)</b>                      | 0.94   |
| <b>Packing</b>                          | 10pcs./ctn   |
| <b>Warranty</b>                         | 5 years  |
| <b>Mounting</b>                         | surface  |

## MECHANICAL SPECIFICATION

### INPUT

H05RN-F 105°C 3Gx1.0mm<sup>2</sup>  
length = 300mm ± 30mm

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



### OUTPUT

**12V:** SJTW, 2\*14AWG / 2\*2.08mm<sup>2</sup>, 105°C  
**24V:** SJTW, 2\*14AWG / 2\*2.08mm<sup>2</sup>, 105°C  
length = 300mm ± 30mm

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

