

SPECIFICATION

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|---|---|
| Description | 220-240V LED Driver, 1-10V Dimming LED Driver, Constant Current Driver |
| Electrical Characteristics | Ta = 25°C, 220-240Vrms input, standard reference load; unless otherwise specified |
| Class II, IP20, thermally protected 110, independent driver | |

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| Product Name | Q8H-60-24A |
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Input Parameters

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|---------------------------|-----------|--------------|
| Rated Input Voltage | Uin | 220-240VAC |
| Input Current (Full load) | Iin | 0.45A |
| Input Frequency | fin | 50/60Hz |
| Maximum Input Power | Pin | 68W |
| Power Factor (Full load) | λ | 0.95 |
| THD(Full load) | | $\leq 15\%$ |
| Efficiency (Full load) | η | $\geq 88\%$ |
| No-load power | | $\leq 0.5W$ |
| Inrush current | | $\leq 30.0A$ |
| Turn on time | | $\leq 500ms$ |

Output Parameters

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|--------------------------------|------|---------------|
| Output Voltage | Vout | 24V $\pm 5\%$ |
| Output Current (Full load) | Iout | 2.5A |
| Output Power (Full load) | Pout | 60W |
| Operating Frequency(Full load) | Fout | 70KHz |
| Ripple & Noise | | $\leq 500mV$ |
| Load Regulation | | $\leq 5\%$ |
| Line Regulation | | $\leq 5\%$ |

Ambient

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|-------------------------------|----|----------------|
| Storage Temperature | ts | -20 ... + 70°C |
| Operating Ambient Temperature | ta | -20 ... + 50°C |
| Case Temperature at tc Point | tc | 90°C |
| Relative humidity | | 5 ... 85% |

Protection

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| No Load | Auto-recovery if fault is removed |
| Over Load | Auto-recovery if fault is removed |
| Short Circuit | Auto-recovery if fault is removed |

System Parameters

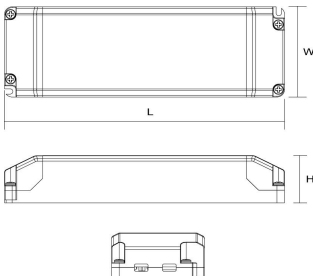
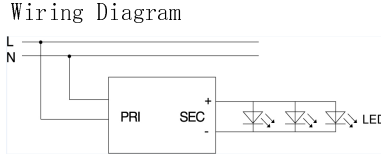
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|-------------------|-------------------------------|
| Withstand voltage | 3.75KVAC, Ileakage<5.0mA, 60S |
| Expected Life | 50,000Hours |

Compliances and approvals

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| Safety | EN 61347-2-13 |
| RFI | EN 55015 |
| Harmonics | EN 61000-3-2 Class C |
| Immunity | EN 61547 |

Note

- All parameters NOT specially mentioned are measured at 240VAC input, rated load and 25 of ambient temperature.
- Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor
- Expected Life:tc=80°C,0.2%/1000h failure rate

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| <p>Physical Parameter</p>  <p>Dimensions (LxWxH): 184x61x32mm</p> <p>Housing Material::PC Plastic</p> <p>Captured Terminal Screw for 0.75~2.5mm</p> | <p>Wiring Diagram</p>  |
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