

Core & Coil (71A) MH ~GT~ 450W

CORE & COIL HID MH BAL 1000W M47 QUAD C&C

The basic ballast is the open core and coil which is most often used as a component within a lighting luminaire. The core and coil also forms the nucleus of Philips Advance's five other ballast configurations.

Product data

| General Information | |
|------------------------------------|--------------------|
| ANSI Code | M47 |
| Lamp Type | 1000W MH |
| Number of Lamps | 1 piece/unit |
| Circuit Type | CWA |
| Ballast Type | Magnetic HID |
| Base Model | 71A6592 |
| Core Size | 4 1/4 x 6 (2 Coil) |
| Suitable For Outdoor Use | Yes |
| Ignitor Catalog Number | NA |
| Ignitor Temperature Rating | NA |
| Capacitor Value | 24 MFD |
| Capacitor Catalog Number | MD2409000 |
| Capacitor Requirements | 480V |
| Capacitor Temperature Rating | 90°C |
| Capacitor Diameter/Oval Dimensions | 1.75 in |
| Capacitor Height | 3.9 in |
| Automatic Restart | No |

Operating and Electrical

| | |
|---------------|-------------------|
| Input Voltage | 120/208/240/277 V |
|---------------|-------------------|

| | |
|---------------------------------|-----------------------------------|
| Input Frequency | 60 Hz |
| Inp. Current (Open Circuit) | 4.5/2.7/2.3/2.2 A |
| Input Current (Starting) | 7.8/4/3.7/3.2 A |
| Input Current (Short Circuit) | 5.6-8.6/3.2-4.8/2.8-4.3/2.4-3.6 V |
| Secondary Short Circuit Current | 5.2-6.4 A |
| Constant Wattage Deviation | 10% |
| Ballast Factor (Nom) | 1 |
| Power Factor (Nom) | 0.90 |
| Nominal Open Circuit Voltage | 430 V |
| Input Current (Operating) (Nom) | 9/5.2/4.5/3.9 A A |
| Input Power (Nom) | 1080 W |
| Rated Lamp Watts | 1000 W |

Wiring

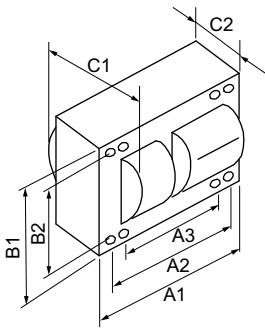
| | |
|-------------------------------------|------------------------|
| Wire Striplength | 0.5 mm |
| Wire Length by Color | 12" |
| Wire Type | Stranded |
| Remote Wiring Configuration Allowed | Yes |
| Max Ballast-Lamp Distance Remote | Determined by AWG used |
| Wiring | |

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|-----------------------------------|------------------------------------|
| Recommended Fuse Value | 20/15/10/10 A |
| Approval and Application | |
| Open Circuit Voltage Test (Volts) | 385-475 V |
| Approbation Marks | ULR CSA certificate RoHS Compliant |
| Temperature Marking | A/A/A/A |
| UL Recognized | Yes |
| Hipot Test (1 Minute) | 2000 V |
| Hipot Test (2 Seconds) | 2500 V |
| UL Insulation Class | N(AC200°C) |
| UL Temperature Code | 1029A |

| | |
|---------------------------------|---|
| Product Data | |
| Order product name | CORE & COIL HID MH BAL 1000W M47 QUAD C&C |
| EAN/UPC - Product | 781087022634 |
| Order code | 71A6592600 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 2 |
| Material Nr. (12NC) | 913700504241 |
| Net Weight (Piece) | 8.669 kg |

Dimensional drawing



| Product | C1 | C2 | A1 | A2 | A3 | B1 | B2 |
|----------------------------|--------|---------|------|--------|--------|--------|--------|
| CORE & COIL HID 71A6592600 | 4.5 in | 2.57 in | 6 in | 5.4 in | 4.4 in | 4.3 in | 3.9 in |

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