



# Encapsulated Core & Coil (73B)

## ENCAPSULATED CORE & COIL HID MH BAL 150W M102/142 120/277V ENCAP

Where quiet performance is required, the standard open core and coil ballast is encapsulated (potted) in a cube-shaped steel can utilizing Class H ( $180^{\circ}$ C) polyester compound.

#### **Product data**

| General Information                |              |  |  |  |  |
|------------------------------------|--------------|--|--|--|--|
| ANSI Code                          | M102-M142    |  |  |  |  |
| Lamp Type                          | 150W MH      |  |  |  |  |
| Number of Lamps                    | 1 piece/unit |  |  |  |  |
| Circuit Type                       | HX-HPF       |  |  |  |  |
| Ballast Type                       | Magnetic HID |  |  |  |  |
| Base Model                         | 73B5482      |  |  |  |  |
| Suitable For Outdoor Use           | Yes          |  |  |  |  |
| Ignitor Catalog Number             | LI533-H4     |  |  |  |  |
| Ignitor Temperature Rating         | 105ºC        |  |  |  |  |
| Capacitor Value                    | 16 MFD       |  |  |  |  |
| Capacitor Catalog Number           | 7C160M30RA   |  |  |  |  |
| Capacitor Requirements             | 280V         |  |  |  |  |
| Capacitor Temperature Rating       | 105°C        |  |  |  |  |
| Capacitor Diameter/Oval Dimensions | 1.65 in      |  |  |  |  |
| Capacitor Height                   | 2.75 in      |  |  |  |  |
| Automatic Restart                  | No           |  |  |  |  |
|                                    |              |  |  |  |  |
| Operating and Electrical           |              |  |  |  |  |
| Input Voltage                      | 120/277 V    |  |  |  |  |
|                                    |              |  |  |  |  |

| Input Frequency                             | 60 Hz             |  |  |  |
|---|-------------------|--|--|--|
| Input Current (Open Circuit)                | 3.65/1.58 A       |  |  |  |
| Input Current (Starting)                    | 0.95/0.42 A       |  |  |  |
| Input Current (Short Circuit)               | 1.2-1.9/0.5-0.8 A |  |  |  |
| Secondary Short Circuit Current             | 2.05-2.55 A       |  |  |  |
| Constant Wattage Deviation                  | 12%               |  |  |  |
| Ballast Factor (Nom)                        | 1                 |  |  |  |
| Power Factor (Nom)                          | 0.90              |  |  |  |
| Open Circuit Voltage                        | 265 V             |  |  |  |
| Input Current (Nom)                         | 1.6/0.7 A A       |  |  |  |
| Input Power (Nom)                           | 185 W             |  |  |  |
| Rated Lamp Power                            | 150 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 Wiring 10' |                   |  |  |  |

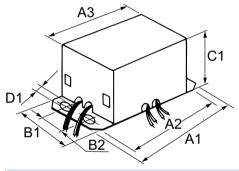
Datasheet, 2019, February 12 data subject to change

### **Encapsulated Core & Coil (73B)**

| Recommended Fuse Value            | 10/4 A                             |  |  |  |  |
|-----------------------------------|------------------------------------|--|--|--|--|
|                                   |                                    |  |  |  |  |
| Mechanical and Housing            |                                    |  |  |  |  |
| Housing Material                  | Metal                              |  |  |  |  |
| Housing                           | Encap                              |  |  |  |  |
| Housing Dimensions                | 4.6" × 4.4" × 3.6"                 |  |  |  |  |
|                                   |                                    |  |  |  |  |
| Approval and Application          |                                    |  |  |  |  |
| Open Circuit Voltage Test (Volts) | 235-290 V                          |  |  |  |  |
| Approval Marks                    | ULR CSA certificate RoHS Compliant |  |  |  |  |
| Temperature Marking               | C/B                                |  |  |  |  |
| Hum And Noise Level               | A                                  |  |  |  |  |
| UL Recognized                     | Yes                                |  |  |  |  |
| Hipot Test (1 Minute)             | 2000 V                             |  |  |  |  |
| Hipot Test (2 Seconds)            | 25000 V                            |  |  |  |  |

| UL Insulation Class             | H(180°C)                            |
|---------------------------------|-------------------------------------|
| UL Temperature Code             | 1029C                               |
|                                 |                                     |
| Product Data                    |                                     |
| Order product name              | ENCAPSULATED CORE & COIL HID MH BAL |
|                                 | 150W M102/142 120/277V ENCAP        |
| EAN/UPC - Product               | 781087354827                        |
| Order code                      | 193763                              |
| Local order code                | 193763                              |
| Numerator - Quantity Per Pack   | 1                                   |
| Numerator - Packs per outer box | 3                                   |
| Material Nr. (12NC)             | 913700542809                        |
| Net Weight (Piece)              | 4.840 kg                            |
|                                 |                                     |

#### Dimensional drawing



MH BAL 150W M102/142 120/277V ENCAP

| Product                      | A1   | A2      | А3     | B1     | B2   | C1     | D1      |
|------------------------------|------|---------|--------|--------|------|--------|---------|
| ENCAPSULATED CORE & COIL HID | 6 in | 5.25 in | 4.6 in | 3.6 in | 2 in | 4.4 in | 0.25 in |
| 73B5482500D                  |      |         |        |        |      |        |         |



© 2019 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. All trademarks are owned by Signify Holding or their respective owners.