PHILIPS

Lighting



# HF-Regulator II for PL-T/C

## HF-R 118 PL-T/C EII 220-240V 50/60Hz

Compact, high-frequency electronic dimming ballast, using the analog protocol (1-10 V) for PL-T, PL-C and PL-R lamps;The ballast is primarily designed for Indoor application. For outdoor application, the luminaire should be minimum ClassIand need to be sufficiently protected against water & dust. The installation should also be guard against any lightening surge or any other necessary electrical protection as deemed in such typical installation & application.

### Product data

| General Information | |
|---|---|
| **Application Code** | EII |
| **Type Version** | mk3 |
| **Lamp Type** | PL-T/C |
| **Number of Lamps** | 1 piece/unit |
| **Number of Products on MCB (16A Type B) (Nom)** | 28 |
| **Automatic Restart** | Yes |

| Operating and Electrical | |
|---|---|
| **Input Voltage** | 220 to 240 V |
| **Input Frequency** | 50 to 60 Hz |
| **Operating Frequency (Max)** | 100 kHz |
| **Operating Frequency (Min)** | 40 kHz |
| **Ignition Method** | Programmed Start |
| **Crestfactor (Max)** | 1.7 |
| **Power Factor 100% Load (Nom)** | 0.95 |
| **Mains Voltage Performance (AC)** | -8%-+6% |
| **Mains Voltage Safety (AC)** | -10%-+10% |
| **Earth Leakage Current (Max)** | 0.5 mA |
| **Inrush Current Width** | 0.35 ms |
| **Constant Wattage Deviation** | -2%/+2% |
| **Ballast Factor (Nom)** | 1.0 |
| **Inrush Current Peak (Max)** | 27 A |

| Wiring | |
|---|---|
| **Connector Type Input Terminals** | Insert |
| **Cable Capacity Output Wires Mutual (Nom)** | 30 pF |
| **Connector Type Output Terminals** | Insert |
| **Connector Type Control Input Terminals** | Insert |
| **Wire Striplength** | 7.5-8.5 mm |
| **Dual Fixture Master/Slave** | Not applicable [ Master/Slave oper. not applicable] |
| **Control Input Terminal Cross Section** | 0.50-1.50 mm² |
| **Input Terminal Cross Section** | 0.50-1.50 mm² |
| **Output Terminal Cross Section** | 0.50-1.50 mm² |
| **Cable Capacity Output Wires to Earth (Nom)** | 75 pF |

# HF-Regulator II for PL-T/C

| System characteristics | |
|---|---|
| Rated Ballast-Lamp Power | 18 W |

| Temperature | |
|---|---|
| T-Ambient (Max) | 50 °C |
| T-Ambient (Min) | -20 °C |
| T-Storage (Max) | 80 °C |
| T-Storage (Min) | -25 °C |
| T-Case Lifetime (Nom) | 65 °C |
| T-Case Maximum (Max) | 75 °C |
| Stable Lamp Operation Temperature | Not Specified |

| Controls and Dimming | |
|---|---|
| Control Interface | 1-10V |
| Regulating Level Power | 1%-100% |
| Control Input Protection | Yes (Basic insulation) |

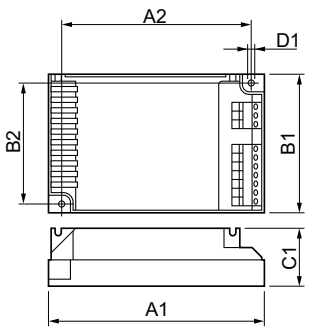
| Mechanical and Housing | |
|---|---|
| Housing | S 123x79x33 |

| Emergency Operation | |
|---|---|
| Battery Voltage Lamp Ignition | 198-254 V |
| Battery Voltage Lamp Operation | 176-254 |

| Approval and Application | |
|---|---|
| Energy Efficiency Index | A1 BAT |
| IP Classification | IP 20 [ Ingress Protection 20] |
| EMI 9 kHz ... 30 MHz | EN55015 |
| EMI 30 MHz ... 1000 MHz | EN55022 level B |
| Safety Standard | IEC 61347-2-3 |
| Performance Standard | IEC 60929 |
| Quality Standard | ISO 9000:2000 |
| Environmental Standard | ISO 14001 |
| Harmonic Current Emission Standard | IEC 61000-3-2 |
| EMC Immunity Standard | IEC 61547 |
| Vibration Standard | IEC68-2-6 F c |
| Bumps Standard | IEC 68-2-29 Eb |
| Humidity Standard | EN 61347-2-3 clause 11 |
| Approval Marks | CE marking ENEC certificate VDE-EMV certificate |
| Temperature Marking | Not specified |
| Emergency Standard | IEC 60598-2-22 |
| Hum And Noise Level | Inaudible |

| Product Data | |
|---|---|
| Full product code | 871829117692300 |
| Order product name | HF-R 118 PL-T/C EII 220-240V 50/60Hz |
| EAN/UPC - Product | 8718291176923 |
| Order code | 913700680066 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 12 |
| Material Nr. (12NC) | 913700680066 |
| Net Weight (Piece) | 0.200 kg |

## Dimensional drawing




HF-R 118 PL-T/C EII 220-240V 50/60Hz

| Product | D1 | C1 | A1 | A2 | B1 | B2 |
|---|---|---|---|---|---|---|
| HF-R 118 PL-T/C EII 220-240V 50/60Hz | 4.5 mm | 33.0 mm | 123.0 mm | 111.0 mm | 79.0 mm | 67.0 mm |




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