

# HF-Performer III for TL5 lamps

## HF-P 3/414 TL5 III 220-240V 50/60Hz

HF-Performer III TL5 ballasts offer maximum versatility and meet all of the necessary commercial grade specifications. They also offer the added benefits of lamp striation reduction technology, making these ballasts compatible with energy-saving TL5 ECO lamps. As such, these ballasts are part of an overall high-efficiency lighting system that may help you or your customers to achieve any international or local energy code you need to comply with. HF-Performer III TL5 ballasts are the ideal choice for a broad range of new construction and retrofit applications within the commercial sector, including general surface mounting or office lighting, parking garages, warehouses, waterproof and other applications.

## Product data

### • General Information

| | |
|---|---|
| Application Code | III |
| Type Version | IDC |
| Lamp Type | TL5 |
| Number Of Lamps | 3/4 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 (Nom) | 46 kHz |
| Ignition Method | Programmed Start |
| Crestfactor (Max) | 1.7 |
| Power Factor 100% Load (Nom) | 0.99 |
| Preheat Time | 0.5 s |
| Ignition Time (Max) | 0.9 s |
| Mains Voltage Performance (AC) | -8%-+6% |
| Mains Voltage Safety (AC) | -10%-+10% |
| Earth Leakage Current (Nom) | 0.5 mA |
| Inrush Current Width | 0.25 ms |
| Constant Wattage Deviation | -2%/+2% |
| Ballast Factor (Nom) | 1.0 |
| Power Losses (Nom) | 3.5-5.0 W |
| Inrush Current Peak (Max) | 24 A |

### • Wiring

| | |
|---|---|
| Connector Type Input Terminals | WAGO 251 universal connector [ Suitable for both automatic wiring (ALF and ADS) and manual wiring] |
| Cable Capacity Output Wires Mutual (Nom) | 200 pF |
| Connector Type Output Terminals | WAGO 251 universal connector [ Suitable for both automatic wiring (ALF and ADS) and manual wiring] |
| Cable Length Hot Wiring | 0.75 m |
| Wire Striplength | 8.0-9.0 mm |
| Dual Fixture Master/ Slave | Not applicable [ Master/Slave oper. not applicable] |
| 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) | 200 pF |

### • System characteristics

| | |
|---|---|
| Rated Ballast-Lamp Power | 14 W |

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| | |
|---|---|
| Rated Lamp Power On TL5 | 14 W |
| System Power On TL5 | 45/61 W |
| Lamp Power On TL5 | 41.5/56.0 W |
| Power Loss On TL5 | 3.5/5.0 W |

- Temperature

| | |
|---|---|
| T-Ambient (Max) | 60 °C |
| T-Ambient (Min) | -25 °C |
| T-Storage (Max) | 50 °C |
| T-Storage (Min) | -40 °C |
| T-Case Lifetime (Nom) | 80 °C |
| T-Case Maximum (Max) | 80 °C |
| T-Ignition (Max) | 60 °C |
| T-Ignition (Min) | -25 °C |

- Mechanical and Housing

| | |
|---|---|
| Housing | L 280x40x21 |

- Emergency Operation

| | |
|---|---|
| Nominal Light Output After 60 Seconds | 100% of EBLF |
| Battery Voltage Lamp Ignition | 176-275 V |
| Normal Operating Voltage (DC) | 220-240 V |
| Battery Voltage Lamp Operation | 186-275 |
| Battery Voltage Guaranteed Operation | 176-275 V |
| Battery Voltage Guaranteed Ignition | 186-275 V |
| Emergency Ballast Lumen Factor (EBLF) (Nom) | 0.7 % |
| Nominal Light Output After 5 Seconds | 50% of EBLF |

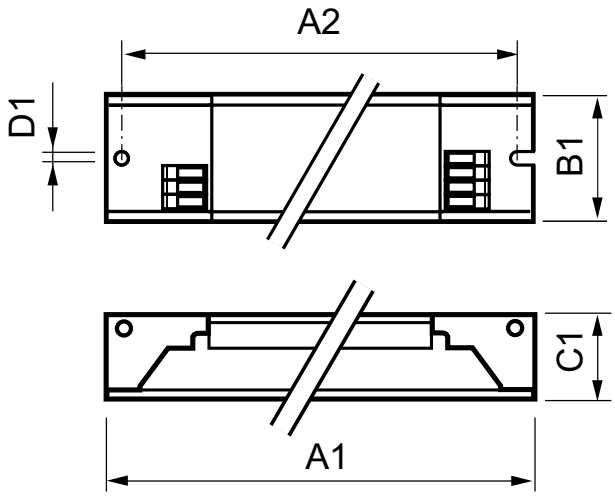
- Approval and Application

| | |
|---|---|
| Energy Efficiency Index | A2 BAT |
| EMI 9 kHz ... 30 MHz | EN55015 |
| EMI 30 MHz ... 1000 MHz | Level = Class |
| 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 | IEC 68-2-6 Fc |
| Bumps Standard | IEC 68-2-29 Eb |
| Humidity Standard | EN 61347-2-3 clause 11 |
| Approval Marks | CE marking<br>ENEC certificate<br>VDE-EMV certificate |
| Temperature Marking | Yes |
| Emergency Standard | IEC 60598-2-22 |
| Hum And Noise Level | < 30 dB(A) |

- Product Data

| | |
|---|---|
| Full product code | 871829172125300 |
| Order product name | HF-P 3/4 14 TL5 III 220-240V 50/60Hz IDC |
| EAN/UPC - Product | 8718291721253 |
| Order code | 72125300 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 10 |
| Material Nr. (12NC) | 913713033966 |
| Net Weight (Piece) | 195.000 g |

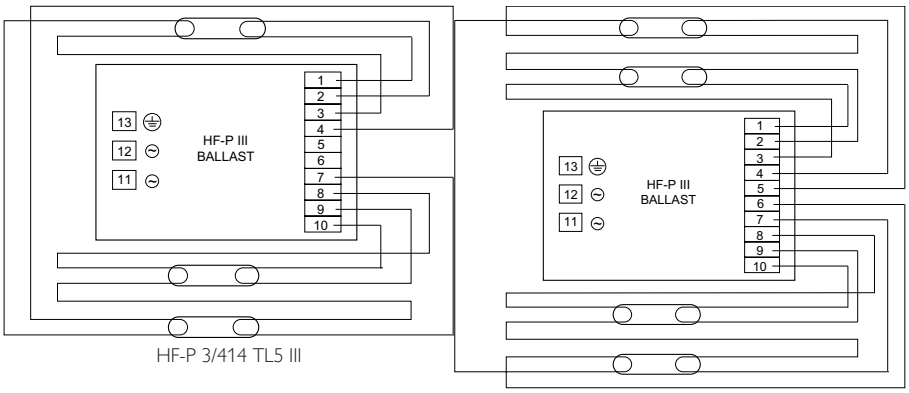
## Dimensional drawing




HF-P 3/414 TL5 III 220-240V 50/60Hz IDC

| Product | D1 | C1 | A1 | A2 | B1 |
|---|---|---|---|---|---|
| HF-P 3/4 14 TL5 III 220-240V 50/60Hz IDC | 4.2 mm | 21.0 mm | 280.0 mm | 265.0 mm | 39.0 mm |

## Dimensional drawing




HF-P 3/414 TL5 III

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