

HF-Essential II for TL5/TL-D

HF-E 418 TL-D II 220-240V 50/60Hz

Essentially smart and reliableHF-Essential II is the most cost-effective solution for reliably operation of a fluorescent lamp. It is also the ideal entry-level product for electromagnetic system users who want to take advantage of the benefits provided by electronic ballasts. The cost-saving and reliable HF-Essential II is energy efficiency class A2, and its robust design meets all relevant international safety and performance standards. HF- Essential II is the ideal choice for a broad range of new construction and retrofit applications within the commercial sector, including general surface mounting and office lighting, parking garages, warehouses and other applications.

Product data

General Information

Lamp Type TL-D II
Number Of Lamps 4 piece/unit
Number Of Products 16
On MCB (16A Type
B) (Nom)
Automatic Restart Yes

Operating and Electrical

Input Voltage 220 to 240 V Input Frequency 50-60 1 Hz 52.3 kHz Operating Frequency (Nom) Crestfactor (Nom) 1.8 Power Factor 100% 0.97 Load (Nom) Preheat Time Mains Voltage 220-240V Performance (AC) Mains Voltage Safety 184-276V (AC) Èarth Leakage 0.5 mA Current (Max) Inrush Current 0.37 ms Width 0.95 Ballast Factor (Nom) 10.4 W Power Losses (Nom) Inrush Current Peak 20 A (Max)

Wiring

Connector Type Insert Input Terminals 150 pF Cable Capacity Output Wires Mutual (Max) Connector Type Insert Output Terminals 0.75 m Cable Length Hot Wiring Wire Striplength 8.0-9.0 mm Dual Fixture Master/ Possible, lamp wires 0.75m max. Slave length [Master/Slave operation possible] Input Terminal Cross 0.50-1.50 mm² Section Output Terminal 0.50-1.50 mm² Cross Section Cable Capacity Cold 150 pF Output Wires - Earth (Max) Cable Capacity Hot 150 pF Output Wires - Earth (Max)

System characteristics

Rated Ballast-Lamp 18 W
Power
Lamp Power On TL- 14.5/14.6/14.5/14.4 W



HF-Essential II for TL5/TL-D

• Temperature

50 °C -10 °C T-Ambient (Max) T-Ambient (Min) 50 °C -20 °C T-Storage (Max) T-Storage (Min) 80 °C T-Case Lifetime (Nom) T-Case Maximum 80 °C (Max)

• Mechanical and Housing

Housing L 211x40x28.7

• Emergency Operation

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

Nominal Light

Output After 5 Seconds

• Approval and Application

Energy Efficiency A2

Index EMI 9 kHz ... 30 MHz EN55015

Vibration Standard IEC 60068-2-6:2007-Fc IEC 60068-2-29 Eb Bumps Standard Hum And Noise < 30 dB(A)

Level

• Product Data

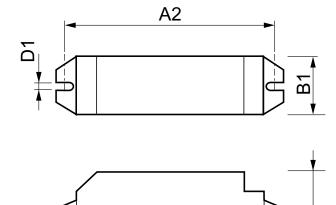
Net Weight (Piece)

Full product code 871829177060200 HF-E 418 TL-D II 220-240V 50/60Hz Order product name EAN/UPC - Product 8718291770602 Order code 913713041266 Numerator - Quantity Per Pack Numerator - Packs 20 per outer box Material Nr. (12NC) 913713041266

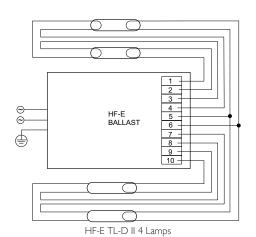
0.155 kg

50% of EBLF

Dimensional drawing



A1



HF-E 418 TL-D II 220-240V 50/60Hz

Product	D1	C1	A1	A2	B1
HF-E 418 TL-D II 220-240V 50/60Hz	4.2 mm	28.7 mm	211.0 mm	198.0 mm	39.6 mm



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