



HF-Essential for TL5/TL-D

HF-E 228 TL5 220-240 50/60Hz

Essentially smart and reliableHF-Essential is the most cost-effective, slim and affordable ballast to reliably operate a fluorescent lamp. It is also the ideal entry-level product for EM system users who want to enjoy the benefits offered by electronic ballasts. The cost-saving and reliable HF-Essential has an energy efficiency class A2, and its robust design meets all relevant international safety and performance standards. HF- Essential is intended for use with indoor lighting fixtures such as recessed luminaires, which are largely used in office, industrial, hotel, restaurant and other applications.;The ballast is primarily designed for Indoor application. For outdoor application, the luminaire should be minimum Classland 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

TL5
2 piece/unit
Yes
220 to 240 V
50 to 60 Hz
50 kHz
1.8
0.95
184253V

Mains Voltage Safety (AC)	198264V		
Earth Leakage Current (Max)	0.5 mA		
Inrush Current Width	0.35 ms		
Ballast Factor (Nom)	1.03		
Power Losses (Nom)	6.7 W		
Inrush Current Peak (Max)	20 A		
Wiring			
Connector Type Input Terminals	Insert		
Cable Capacity Output Wires Mutual (Max)	120 pF		
Connector Type Output Terminals	Insert		
Cable Length Hot Wiring	0.75 m		

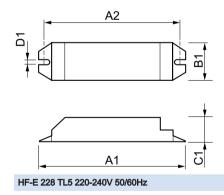
Datasheet, 2018, January 15 data subject to change

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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 mm ²		
Output Terminal Cross Section	0.50-1.50 mm²		
Cable Capacity Cold Output Wires - Earth (Max)	120 pF		
Cable Capacity Hot Output Wires - Earth (Max)	120 pF		
System characteristics			
Rated Ballast-Lamp Power	28 W		
Rated Lamp Power on TL5	28 W		
System Power on TL5	35.1/36.2/37.7 W		
Lamp Power on TL5	28.2/29.5/30.7 W		
Power Loss on TL5	6.9/6.7/7 W		
Temperature			
T-Ambient (Max)	50 °C		
T-Ambient (Min)	0 °C		
T-Storage (Max)	80 °C		
T-Storage (Min)	-20 °C		
T-Case Lifetime (Nom)	75 °C		
T-Case Maximum (Max)	75 °C		
Mechanical and Housing			
Housing	L 275x29.6x25.5		

Approval and Application	
Energy Efficiency Index	A2
IP Classification	IP 20 [Ingress Protection 20]
EMI 9 kHz 30 MHz	EN55015
Vibration Standard	IEC60068-2-6_2007-Fc
Bumps Standard	IEC 60068-2-29:1993-Eb
Approval Marks	CE marking C-Tick certificate CB Certificate
	KEMA Keur certificate ISO9001 RoHS
	Compliant
Hum And Noise Level	< 30 dB(A)
Product Data	
Full product code	871829166887900
Order product name	HF-E 228 TL5 220-240 50/60Hz
EAN/UPC - Product	8718291668879
Order code	913713039766
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	20
Material Nr. (12NC)	913713039766
Net Weight (Piece)	0.091 kg

Dimensional drawing



Product	D1	C1	A1	A2	B1
HF-E 228 TL5 220-240 50/60Hz	4.2 mm	25.5 mm	275.0 mm	263.0 mm	29.6 mm

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