



HF-Essential for TL5/TL-D

HF-E 128 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

General Information			
Lamp Type	TL5		
Number of Lamps	1 piece/unit		
Automatic Restart	Yes		
Operating and Electrical			
Input Voltage	220 to 240 V		
Input Frequency	50 to 60 Hz		
Operating Frequency (Nom)	50 kHz		
Crestfactor (Nom)	1.8		
Power Factor 100% Load (Nom)	0.95		
Mains Voltage Performance (AC)	184253V		

Mains Voltage Safety (AC)	198264V		
Earth Leakage Current (Max)	0.5 mA		
Inrush Current Width	0.3 ms		
Ballast Factor (Nom)	1.04		
Power Losses (Nom)	4.5 W		
Inrush Current Peak (Max)	12 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		

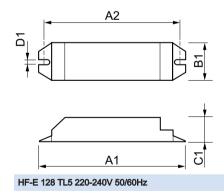
Datasheet, 2018, January 16 data subject to change

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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 mm²			
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	31.1/33.0/34.5 W			
Lamp Power on TL5	27/28.3/29.8 W			
Power Loss on TL5	4.1/4.7/4.7 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 275x19.6x21.3			

Approval and Application	
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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 RoHS Compliant
Hum And Noise Level	< 30 dB(A)
Product Data	
Full product code	871829166883100
Order product name	HF-E 128 TL5 220-240 50/60Hz
EAN/UPC - Product	8718291668831
Order code	913713039566
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	50
Material Nr. (12NC)	913713039566
Net Weight (Piece)	0.050 kg

Dimensional drawing



Product	D1	C1	A1	A2	B1
HF-E 128 TL5 220-240 50/60Hz	4.2 mm	21.3 mm	275.0 mm	263.0 mm	19.6 mm

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