



HF-Performer III for TL5 lamps

HF-P 280 TL5/PL-L 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.;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			
Application Code	III		
Type Version	mk1		
Lamp Type	TL5/PL-L		
Number of Lamps	2 piece/unit		
Number of Products on MCB (16A Type B)	8		
(Nom)			
Automatic Restart	Yes		
Operating and Electrical			
Input Voltage	220 to 240 V		
Input Frequency	50 to 60 Hz		

Operating Frequency (Nom)	45 kHz			
Ignition Method	Warm Start			
Crestfactor (Max)	1.7			
Power Factor 100% Load (Nom)	0.99			
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	0.38 ms			
Constant Wattage Deviation	-2%/+2%			
Ballast Factor (Nom)	1.04			
Power Losses (Nom)	9-10 W			

Datasheet, 2020, December 15 data subject to change

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Inrush Current Peak (Max)	35 A			
Mining				
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	0.50-1.00 mm ²			
Output Terminal Cross Section	0.50-1.00 mm ²			
Cable Capacity Output Wires to Earth (Nom)	200 pF			
System characteristics				
Rated Ballast-Lamp Power	80 W			
Rated Lamp Power on PL-L	80 W			
System Power on PL-L	87.5 W			
Lamp Power on PL-L	80 W			
Power Loss on PL-L	7.5 W			
Rated Lamp Power on TL5	80 W			
System Power on TL5	89.6 W			
Lamp Power on TL5	80 W			
Power Loss on TL5	9.6 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)	85 °C			
T-Case Maximum (Max)	85 °C			
T-Ignition (Max)	60 °C			
T-Ignition (Min)	-25 °C			
Mechanical and Housing				
Housing	L 425x30x21			
Emergency Operation				

Battery Voltage Lamp Ignition	186-275 V			
Normal Operating Voltage (DC)	220-240 V			
Battery Voltage Lamp Operation	176-275			
Battery Voltage Guaranteed Operation	176-275 V			
Battery Voltage Guaranteed Ignition	186-275 V			
Emergency Ballast Lumen Factor (EBLF)	100 %			
(Nom)				
Nominal Light Output After 5 Seconds	50% of EBLF			
Approval and Application				
Energy Efficiency Index	A2 BAT			
IP Classification	IP 20 [Ingress Protection 20]			
EMI 9 kHz 30 MHz	EN 55015 edition 7.1			
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	Yes			
Emergency Standard	IEC 60598-2-22			
Hum And Noise Level	< 30 dB(A)			
Product Data				
Full product code	872790095230800			
Order product name	HF-P 280 TL5/PL-L III 220-240V			
	50/60Hz			
EAN/UPC - Product	8727900952308			
Order code	913713034366			
Numerator - Quantity Per Pack	1			
Numerator - Packs per outer box	12			
Material Nr. (12NC)	913713034366			
Net Weight (Piece)	0.360 kg			

HF-Performer III for TL5 lamps

Dimensional drawing

A2

Product	D1	C1	A1	A2	B1
HF-P 280 TL5/PL-L III	4.2 mm	21.0 mm	425.0 mm	415.0 mm	30.0 mm
220-240V 50/60Hz					

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