HF-Performer III for TL5 lamps

HF-P 254/255 TL5 HO/PL-L III IDC

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/PL-L
Number of Lamps	2 piece/unit
Number of Products on MCB (16A Type B) (Nom)	12
Automatic Restart	Yes

Operating and electrical	
Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz
Operating Frequency (Nom)	47.5 kHz
Ignition Method	Programmed 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	0.35 ms
Constant Wattage Deviation	-2%/+2%
Ballast Factor (Nom)	1
Power Losses (Nom)	5-7 W
Inrush Current Peak (Max)	31 A
Efficiency at full load [%]	92.78 %

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

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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 mm²
Output Terminal Cross Section	0.50-1.00 mm²
Cable Capacity Output Wires to Earth (Nom)	200 pF

System characteristics

Rated Ballast-Lamp Power	54/55 W
Rated Lamp Power on PL-L	54-55 W
System Power on PL-L	107W@55 W
Lamp Power on PL-L	102W@55 W
Power Loss on PL-L	5W@55 W
Rated Lamp Power on TL5	54-55 W
System Power on TL5	117W@54 W
Lamp Power on TL5	111W@54 W
Power Loss on TL5	6W@54 W
Rated Lamp Power on TL5 ECO	50 W
System Power on TL5 ECO	102W@50 W
Lamp Power on TL5 ECO	96W@50 W
Power Loss on TL5 ECO	6W@50 W

Temperature

T-Ambient (Max)	60 °C
T-Ambient (Min)	-25 °C
T-Storage (Range)	-40 °C to 80 °C
T-Storage (Max)	80 °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	L360x30x22

Emergency operation

Nominal Light Output After 60 Seconds	100% of EBLF
Battery Voltage Lamp Ignition	198-254 V
Normal Operating Voltage (DC)	220-240 V
Battery Voltage Lamp Operation	176-254
Battery Voltage Guaranteed Operation	176-275 V
Battery Voltage Guaranteed Ignition	186-275 V
Emergency Ballast Lumen Factor (EBLF) (Nom)	100 %
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	EN55015
EMI 30 MHz ... 1000 MHz	-
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)

Application conditions

Ambient temperature range	-25 °C to 60 °C

Product data

Full product code	872790086351200
Order product name	HF-P 254/255 TL5 HO/PLL III 220-240V IDC
EAN/UPC - Product	8711500998224
Order code	86351200
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	913713028366
Net Weight (Piece)	0.280 kg

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Dimensional drawing

A2

Product	D1	C1	A1	A2	B1
HF-P 254/255 TL5 HO/PLL III 220-240V IDC	4.2 mm	22.0 mm	360.0 mm	350.0 mm	30.0 mm

HF-P 254/255 TL5 HO/PLL III 220-240V IDC

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