



HF-Performer III for TL5 lamps

HF-P 2 14-35 TL5 HE III 220-240V 50/60Hz

HF-Performer III TL5 is a sustainable, slim and high-frequency electronic ballast for TL5 and TL5 Eco fluorescent lamps. It is ideal for applications where high energy efficiency is required. The HF-Performer III range has a robust design, meets all relevant international safety and performance standards and is energy-efficient (CELMA EEI A2 BAT).

Product data

• General Characteristics

Rated Number of Lamps	2 piece
Rated Ballast-Lamp Power	14-35
Rated Lamptype	TL5 HE
Application code	III
Line Voltage	220-240 V
Line Frequency	50/60 Hz
Housing	L 360x30x22
Ignition Method	Programmed Start
Lifetime 90% surv.@Tcaselife	53000 hr
Energy Efficiency Index	A2 BAT

• Operating Characteristics

Automatic restart	Yes
Battery voltage running lamps	176-276
Battery voltage lamp ignition	176-276 V
Constant wattage deviation	-2%/+2%
Inrush current Peak	24 (max) A
Inrush current Width	0.25 ms
Max ballast on MCB(16A type B)	28 x
Earth leakage current	0.5 mA
Mains voltage safety (AC)	-10%/+10%
Mains voltage performance (AC)	-8%/+6%
Overvoltage protection 320Vac	48 hr

Overvoltage protection 350Vac	2 hr
PowerFactor 100% output power	0.94 -
Power losses gear	2.8-5.6 W
Ballast Lumen Factor	0.925 -
Crestfactor	1.7 (max) -
Ignition time	1.2 (max) s
Operating frequency	46 kHz
Hum and Noise level	< 30 dB(A)

• Wiring Characteristics

Cable-Cap output-wires to earth	200 pF
Cable-Cap output-wires mutual	200 pF
Conn.type input terminals	WAGO 251 universal connector [Suitable for both automatic wiring (ALF and ADS) and manual wiring]
Conn.type output terminals	WAGO 251 universal connector [Suitable for both automatic wiring (ALF and ADS) and manual wiring]
Max. cable length	0.75 m
Hot Wires	
Striplength	8.0-9.0 mm
Dual fixture Master/Slave	Not applicable [Master/Slave oper. not applicable]
Wcs Input terminals	0.50-1.00 mm ²
Wcs Output terminals	0.50-1.00 mm ²

• Temperature Characteristics

T-case life	80 C
T-case maximum	80 (max) C
T-ignition	-25 (min), 60 (max) C



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T-ambient -25 (min), 60 (max) C
 T-storage -40 (min), 80 (max) C

EMC Immunity IEC 61547
 Vibrations IEC 68-2-6 Fc
 Bumps IEC 68-2-29 Eb
 Humidity EN 61347-2-3 clause 11
 Approval marks ENEC / VDE-EMV
 CE marking Yes
 Temperature marking 110 [Yes]
 Emergency standard IEC 60598-2-22

Product Dimensions

Length A1 360.0 mm
 Fixing Hole Distance 350.0 mm
 Length A2
 Width B1 30.0 mm
 Height C1 22.0 mm
 Fixing Hole Diameter 4.2 mm
 D1

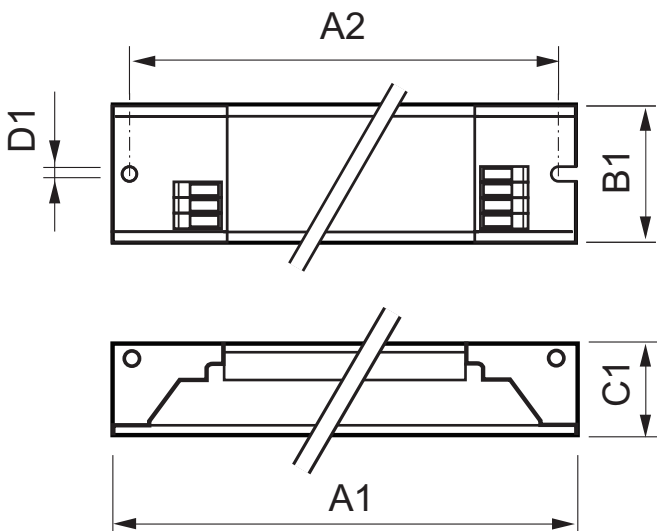
Approval & Application Chars

EMI 9kHz .. 30 MHz EN 55015
 EMI 30 MHz .. - [Not specified]
 1000MHz
 Safety Standard IEC 61347-2-3
 Performance IEC 60929
 Standard
 Quality Standard ISO 9000:2000
 Environmental Standard ISO 14001
 Harmonic current emissions IEC 61000-3-2

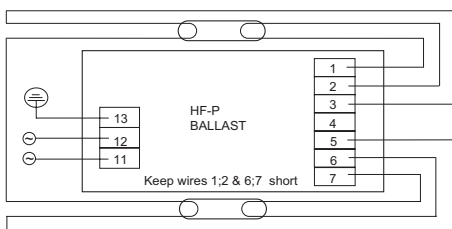
Product Data

Order code 905038 00
 Full product code 872790090503800
 Full product name HF-P 2 14-35 TL5 HE III 220-240V
 Order product name HF-P 2 14-35 TL5 HE III 220-240V
 Pieces per pack 1
 Packing configuration 12
 Packs per outerbox 12
 Bar code on pack - EAN1 8711500999238
 Bar code on outerbox - EAN3 8727900905038
 Logistic code(s) - 12NC 913713031166
 Net weight per piece 0.245 kg

Dimensional drawing



Product	A1 (Norm)	A2 (Norm)	B1 (Norm)	C1 (Norm)	D1 (Norm)
HF-P 2 14-35 TL5 HE III 220-240V	360.0	350.0	30.0	22.0	4.2



Photometric data

Ballast type	Lamp type	Lamp power	T _a				
			40°C	50°C	60°C	70°C	
HF-P 2 14-35 TL5 HE III 220-240V 50/60Hz	TL5 HE	14W	T _c	-55°C	-45°C	-33°C	X
	TL5 HE	21W					
	TL5 HE	28W					
	TL5 HE	35W					
	TL5 HE ECO	15W					
	TL5 HE ECO	25W					
			Lifetime	100,000 Hrs	100,000 Hrs	80,000 Hrs	X

HF-P 2 14-35 TL5 HE III



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data subject to change