

PHILIPS

Lighting



HF-Performer II for PL-T/C/R/L/TL5C lamps

HF-P 1 22-42 PL-T/C/L/TL5C EII 220-240V

HF-Performer EII PL-T/C/R/T5c is a sustainable, slim and high-frequency electronic ballast for a wide range of CFL- ni applications. It is ideal for applications where high energy efficiency is required. The HF-Performer EII range has a robust design, meets all relevant international safety and performance standards and is energy-efficient (CELMA EEI A2).

Product data

General Information	
Application code	EII
Type version	mk4
Lamp type	PL-T/C/L/TL5C
Number of lamps	1 piece/unit
Number of products on MCB (16 A type B) (nom.)	28
Automatic restart	Yes

Operating and Electrical	
Input Voltage	220 to 240 V
Input frequency	50 to 60 Hz
Operating frequency (max.)	- kHz
Operating frequency (min.)	42 kHz
Operating frequency (nom.)	45 kHz
Ignition method	Warm Start
Crest factor (max.)	1.7
Power factor 100% load (nom.)	0.95
Ignition time (max.)	0.52 s
Mains voltage performance (AC)	-8% - +6%
Mains voltage safety (AC)	-10% - +10%
Earth leakage current (nom.)	0.5 mA
Inrush current width	0.25 ms
Constant wattage deviation	-2% / +2%
Ballast factor (nom.)	1
Power losses (nom.)	2.86-2.66 W
Inrush current peak (max.)	18 A
Efficiency at full load [%]	91.66 %

Wiring	
Connector type input terminals	Insert
Cable capacity output wires mutual (nom.)	200 pF
Connector type output terminals	Insert
Cable length hot-wiring	0.75 m

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Wire strip length	7.5-8.5 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 mm ²
Cable capacity output wires to earth (nom.)	200 pF

System characteristics

Rated ballast-lamp power	22-42 W
Rated lamp power on PL-T/C	22/42 W

Temperature

T-ambient (max.)	50 °C
T-ambient (min.)	-25 °C
T storage (max.)	80 °C
T storage (min.)	-40 °C
T-case lifetime (nom.)	75 °C
T-Case maximum (max.)	75 °C
T-Ignition (max.)	50 °C
T-Ignition (min.)	-25 °C

Emergency Operation

Battery voltage lamp ignition	198-254 V
Battery voltage lamp operation	176-254

Approval and Application

Energy efficiency index	A2
IP classification	IP 20 [Ingress Protection 20]
EMI 9 kHz ... 30 MHz	EN55015

EMI 30 MHz ... 1,000 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
Humming and noise level	Inaudible

Product Data

Full product code	871150091397530
Order product name	HF-P 1 22-42 PL-T/C/L/TL5C EII 220-240V
EAN/UPC – product	8711500913975
Order code	91397530
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
SAP material	913700630766
SAP net weight (piece)	0.140 kg

Dimensional drawing

Product	D1	C1	A1	A2	B1	B2
HF-P 1 22-42 PL-T/C/L/	4.5 mm	30.0	103.0	93.5	67.0	57.5
TL5C EII 220-240V		mm	mm	mm	mm	mm

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