

HF-Performer III for PL-T/C lamps

HF-P 118 PL-T/C III 220-240V 50/60Hz

HF-Performer III PL-T/C is a sustainable, slim and high-frequency electronic ballast for PL-T and PL-C 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).

Benefits

• General Information

Lamp type	PL-T/C
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	50-60 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.)	0.30 s
Mains voltage performance (AC)	-8%-+6%
Mains voltage safety (AC)	-10%-+10%
Earth leakage current (nom.)	0.5 mA
Inrush current width	0.250 ms
Constant wattage deviation	-2%/+2%
Ballast factor (nom.)	1
Power losses (nom.)	1.89-2.03 W
Inrush current peak (max.)	18 A

• Wiring

Connector type input terminals	Insert
Cable capacity output wires mutual (nom.)	100 pF
Connector type output terminals	Insert
Cable length from device to lamp	1 m
Cable length hot-wiring	1 m
Wire strip length	8.5-9.5 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 output wires to earth (nom.)	100 pF

• System characteristics

Rated lamp power on PL-T/C	18 W
System power on PL-T/C	19.9 W
Power loss on PL-T/C	1.9 W
Lamp power on PL-T/C	18 W

• Temperature

T ambient (max.)	50 °C

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HF-Performer III for PL-T/C lamps

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

- Mechanical and Housing

Housing	S 103x67x30

- 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 guaranteed operation	176-275 V
Battery voltage guaranteed ignition	186-275 V
Nominal light output after 5 seconds	50% of EBLF

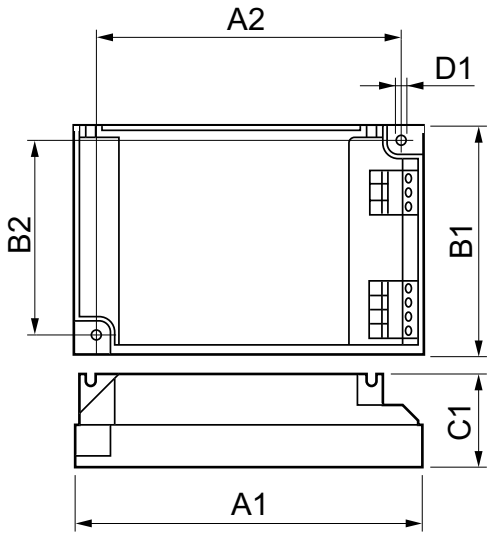
- Approval and Application

Energy efficiency index	A2
EMI 9 kHz... 30 MHz	EN55015
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	IEC 68-2-6 Fc
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
Humming and noise level	Inaudible

- Product Data

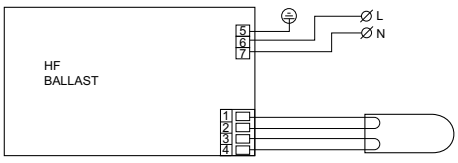
Full product code	872790083416100
Order product name	HF-P 118 PL-T/C III 220-240V 50/60Hz
EAN/UPC – product	8711500881021
Order code	913700648566
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	913700648566
Net weight (piece)	0.120 kg

Dimensional drawing



HF-P 118 PL-T/C III 220-240V 50/60Hz

Product	D1	C1	A1	A2	B1	B2
HF-P 118 PL-T/C III 220-240V 50/60Hz	4.2 mm	30.0 mm	103.8 mm	93.5 mm	67.8 mm	57.5 mm





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