



HF-Regulator II for TL-D lamps

HF-R 118 TL-D EII 220-240V 50/60Hz

Flat, lightweight high-frequency electronic regulating ballast, using 1-10V protocol for TL-D fluorescent lamps

Product data

• General Characteristics

Interface	1-10V
Application code	EII
Rated Lamptype	TL-D
Rated Number of Lamps	1 piece
Rated Ballast-Lamp Power	18
Line Voltage	220-240 V
Line Frequency	50/60 Hz
Housing	L 360x30x21
Energy Efficiency Index	A1
Lifetime 90% surv.@Tcaselife	50000 hr
Ignition Method	Programmed Start

Battery voltage running lamps	154-276
Overvoltage protection 320Vac	48 hr
Overvoltage protection 350Vac	2 hr
Control input protection	Yes (Basic insulation)
Max ballast on MCB(16A type B)	28 x
Stable lamp operation temp.	- [Not specified]
Crestfactor	1.7 (max) -
Hum and Noise level	Inaudible
Total Harmonic Distortion EUR	7 %

• Operating Characteristics

Automatic restart	Yes
Ignition time	0.2 (max) s
Operating frequency	50 (min), 110 (max) kHz
Mains voltage safety (AC)	-10%/+10%
Mains voltage performance (AC)	-8%/+6%
Inrush current Peak	27 (max) A
Inrush current Width	0.30 ms
Earth leakage current	0.5 (max) mA
Power losses gear	4.4 W
Regulating level power	1%-100%
PowerFactor 100%	0.96 -
output power	
Battery voltage lamp ignition	196 V

• Wiring Characteristics

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]
Conn.type ctrl input terminals	WAGO 251 universal connector [Suitable for both automatic wiring (ALF and ADS) and manual wiring]
Striplength	8.0-9.0 mm
Dual fixture Master/Slave	Not applicable [Master/Slave oper. not applicable]
Wcs Control input terminals	0.50-1.00 mm2
Wcs Input terminals	0.50-1.00 mm2
Wcs Output terminals	0.50-1.00 mm2

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Wcs auto insertion (ALF/ADS) 0.5 mm²

• Temperature Characteristics

T-ignition 0 (min), 50 (max) C
T-ambient -20 (min), 50 (max) C
T-storage -25 (min), 80 (max) C

• Product Dimensions

Length A1 360 mm
Fixing Hole Distance 350 mm
Length A2
Width B1 30 mm
Height C1 22 mm
Fixing Hole Diameter 4.2 mm
D1

• Approval & Application Chars

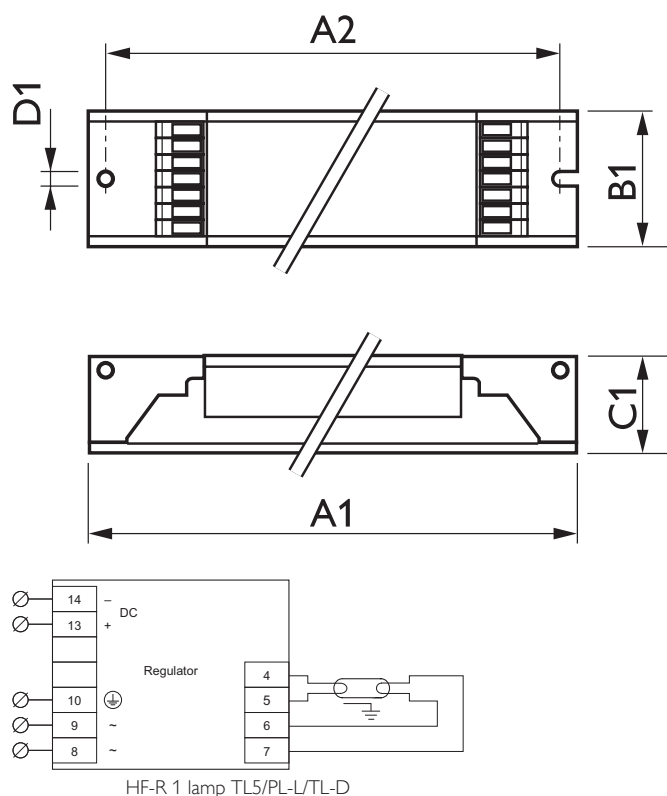
EMI 9kHz .. 30 MHz EN 55015
EMI 30 MHz .. 1000MHz EN 55022 level B [Level = Class]
Safety Standard IEC 61347-2-3
Performance Standard IEC 60929
Quality Standard ISO 9000:2000
Environmental Standard ISO 14001

Harmonic current emissions IEC 61000-3-2
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 Data

Order code 911902 30
Full product code 871150091190230
Full product name HF-R 118 TL-D EII 220-240V 50/60Hz
Order product name HF-R 118 TL-D EII 220-240V 50/60Hz
Pieces per pack 1
Packing configuration 12
Packs per outerbox 12
Bar code on pack - EAN1 8711500911902
Bar code on outerbox - EAN3 8711500911919
Logistic code(s) - 12NC 913700620366
Net weight per piece 0.285 kg

Dimensional drawing



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Product	A1 (Norm)	A2 (Norm)	B1 (Norm)	C1 (Norm)	D1 (Norm)
HF-R 118 TL-D EII 220-240V 50/60Hz	360	350	30	22	4.2



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2014, February 10
data subject to change