

HF-Regulator II for TL5 lamps

HF-R 249 TL5 EII 220-240V 50/60Hz

Flat, lightweight high-frequency electronic regulating ballast, using 1-10V protocol for TL5 fluorescent lamps

Benefits

• General Information

Type version	mk2
Lamp type	TL5
Number of lamps	2 piece/unit
Number of products on MCB (16 A type B) (nom.)	12
Automatic restart	Yes

• Operating and Electrical

Input voltage	220 to 240 V
Input frequency	50-60 Hz
Operating frequency (max.)	89 kHz
Operating frequency (min.)	45 kHz
Ignition method	Programmed Start
Crest factor (max.)	1.7
Power factor 100% load (nom.)	0.98
Ignition time (max.)	0.2 s
Mains voltage performance (AC)	-8%-+6%
Mains voltage safety (AC)	-10%-+10%
Earth leakage current (max.)	0.5 mA
Inrush current width	0.40 ms
Power losses (nom.)	7.9 W
Inrush current peak (max.)	45 A

• Wiring

Connector type input terminals	WAGO 251 universal connector [Suitable for both automatic wiring (ALF and ADS) and manual wiring]
Connector type output terminals	WAGO 251 universal connector [Suitable for both automatic wiring (ALF and ADS) and manual wiring]
Connector type control input terminals	WAGO 251 universal connector [Suitable for both automatic wiring (ALF and ADS) and manual wiring]
Wire strip length	8.0-9.0 mm
Dual fixture master/ slave	- [not specified]
Control input terminal cross section	0.50-1.00 mm²
Input terminal cross section	0.50-1.00 mm²
Output terminal cross section	0.50-1.00 mm²
Auto Insert (ALF/ ADS) Wire Cross Section	0.5 mm²

• Temperature

T ambient (max.)	50 °C
T ambient (min.)	10 °C
T storage (max.)	80 °C
T storage (min.)	-25 °C
Stable lamp operation temperature	Not specified
T-Ignition (max.)	50 °C
T-Ignition (min.)	0 °C

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- Controls and Dimming

Control interface	1-10V
Control input protection	Yes (Basic insulation)

- Mechanical and Housing

Housing	L 360x30x21

- Emergency Operation

Battery voltage lamp ignition	196 V

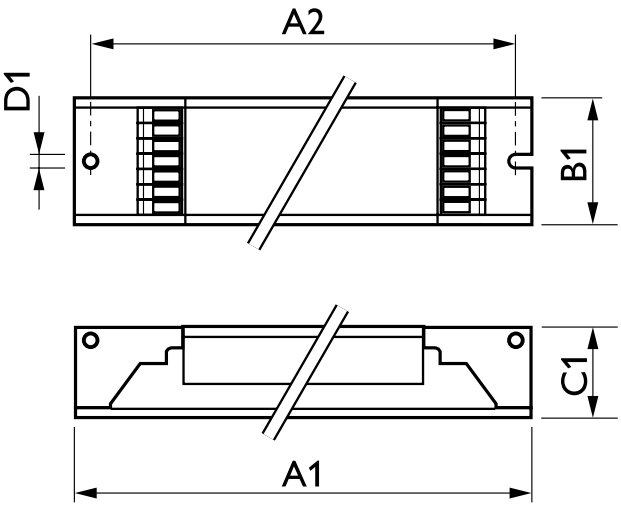
- Approval and Application

Energy efficiency index	A1
EMI 9 kHz... 30 MHz	EN55015
EMI 30 MHz... 1,000 MHz	Level = Class
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

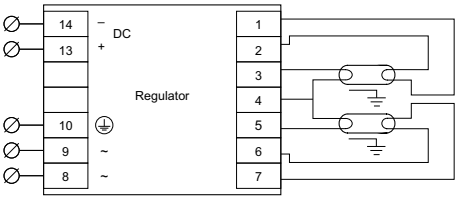
Full product code	871150091003530
Order product name	HF-R 249 TL5 EII 220-240V 50/60Hz
EAN/UPC – product	8711500910035
Order code	913700608766
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	913700608766
Net weight (piece)	0.310 kg

Dimensional drawing



HF-R 249 TL5 EII 220-240V 50/60Hz

Product	D1	C1	A1	A2	B1
HF-R 249 TL5 EII 220-240V 50/60Hz	4.2 mm	22 mm	360 mm	350 mm	30 mm



HF-R 2 lamps TL5/PL-L/TL-D

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