



HF-Regulator II for TL5 lamps

HF-Regulator 180 TL5/PL-L EII 220-240V 50/60Hz

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

Product data

• General Characteristics

Interface	1-10V
Rated Number of Lamps	1 piece
Rated Ballast-Lamp Power	80
Rated Lamptype	TL5/PL-L
Application code	EII
Line Voltage	220-240 V
Line Frequency	50/60 Hz
Housing	L 360x30x21
Ignition Method	Programmed Start
Lifetime 90% surv.@Tcaselife	50000 hr
Energy Efficiency Index	A1

• Operating Characteristics

Automatic restart	Yes
Battery voltage running lamps	154-276
Battery voltage lamp ignition	196 V
Control input protection	Yes
Inrush current Peak	45 (max) A
Inrush current Width	0.40 ms
Max ballast on MCB(16A type B)	12 x
Earth leakage current	0.5 (max) mA
Mains voltage safety (AC)	-10%/+10%
Mains voltage performance (AC)	-8%/+6%
Overvoltage protection 320Vac	48 hr

Overvoltage protection 350Vac	2 hr
Power losses gear	7 W
Regulating level power	1%-100%
Stable lamp operation temp.	- [Not specified]
Crestfactor	1.7 (max) -
Ignition time	0.2 (max) s
Operating frequency	105 (max) kHz
Total Harmonic Distortion EUR	4 %
Hum and Noise level	Inaudible

• 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
Wcs auto insertion (ALF/ADS)	0.5 mm2

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sense and simplicity

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• Temperature Characteristics

T-ignition	0 (min), 50 (max) C
T-ambient	10 (min), 50 (max) C
T-storage	-25 (min), 80 (max) C

• 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

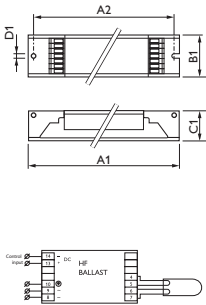
• Product Dimensions

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

• Product Data

Order code	913700609066
Full product code	913700609066
Full product name	HF-R 180 TL5/PL-L EII 220-240V 50/60Hz
Order product name	HF-R 180 TL5/PL-L EII 220-240V 50/60Hz
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8711500910110
Bar code on outerbox - EAN3	8711500910127
Logistic code(s) - 12NC	913700609066
Net weight per piece	0.285 kg

Dimensional drawing



Product	A1 (Norm)	A2 (Norm)	B1 (Norm)	C1 (Norm)	D1 (Norm)
HF-R 180 TL5/PL-L EII 220-240V 50/60Hz	360	350	30	22	4.2



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data subject to change