



HF-Regulator II Touch and Dali for TL5 lamps

HF-Regulator TD 239 TL5 EII 220-240V 50/60Hz

Flat, lightweight high-frequency electronic regulating ballast, using DALI (Digital Addressable Lighting Interface) or Touch and Dim pushbutton protocol for TL5 fluorescent lamps

Product data

• General Characteristics

Interface	TD
Rated Number of Lamps	2 piece
Rated Ballast-Lamp Power	39
Rated Lamptype	TL5
Application code	EII
Line Voltage	220-240 V
Line Frequency	50/60 Hz
Housing	L 359x39x22
Ignition Method	Warm Start
Lifetime 90% surv.@Tcaselife	50000 hr
Energy Efficiency Index	A1

Overvoltage protection 350Vac	2 hr
Power losses gear	5.9 W
Regulating level power	1%-100%
Stable lamp operation temp.	- [Not specified]
Standby power consumption	0.35 (max) W
Ballast Lumen Factor	0.98 -
Crestfactor	1.7 (max) -
Ignition time	0.2 (max) s
Operating frequency	95 (max) kHz
Total Harmonic Distortion EUR	4 %
Hum and Noise level	Inaudible

• Operating Characteristics

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

• 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 specified]
Wcs Control input terminals	0.50-1.00 mm ²
Wcs Input terminals	0.50-1.00 mm ²
Wcs Output terminals	0.50-1.00 mm ²

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Wcs auto insertion (ALF/ADS) 0.5 mm2

Emergency standard IEC 60598-2-22

• Temperature Characteristics

T-ignition 0 (min), 50 (max) C
 T-ambient -20 (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]

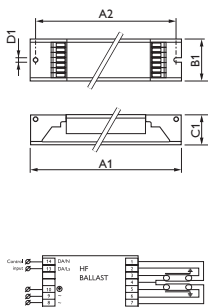
• Product Dimensions

Length A1 359 mm
 Fixing Hole Distance 350 mm
 Length A2
 Width B1 30 mm
 Height C1 22 mm
 Fixing Hole Diameter 4.2 mm
 D1

• Product Data

Order code 913700632666
 Full product code 913700632666
 Full product name HF-R TD 239 TL5 EII 220-240V 50/60Hz
 Order product name HF-R TD 239 TL5 EII 220-240V 50/60Hz
 Pieces per pack 1
 Packing configuration 12
 Packs per outerbox 12
 Bar code on pack - EAN1 8711500914545
 Bar code on outerbox - EAN3 8711500914569
 Logistic code(s) - 12NC 913700632666
 Net weight per piece 0.295 kg

Dimensional drawing



Product	A1 (Norm)	A2 (Norm)	B1 (Norm)	C1 (Norm)	D1 (Norm)
HF-R TD 239 TL5 EII 220-240V 50/60Hz	359	350	30	22	4.2



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2011, May 10
 data subject to change