



HF-Regulator II for TL-D lamps

HF-R 418 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

• Product Data

Order code	913700614666
Full product code	913700614666
Full product name	HF-R 418 TL-D EII 220-240V 50/60Hz
Order product name	HF-R 418 TL-D EII 220-240V 50/60Hz
Pieces per pack	1
Packing configuration	10
Packs per outerbox	10
Bar code on pack - EAN1	8711500913661
Bar code on outerbox - EAN3	8711500913678
Logistic code(s) - 12NC	913700614666
Net weight per piece	0.370 kg

• General Characteristics

Interface	1-10V
Rated Number of Lamps	4 piece
Rated Ballast-Lamp Power	18
Rated Lamptype	TL-D
Application code	EII
Line Voltage	220-240 V
Line Frequency	50-60 Hz
Housing	L 359x39x22
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 A
Inrush current Width	0.40 ms
Mains voltage safety (AC)	-10%/+10%
Mains voltage performance (AC)	-8%/+6%
Overvoltage protection 320Vac	48 hr
Overvoltage protection 350Vac	2 hr
PowerFactor 100% output power	0.95 -
Power losses gear	13.4 W
Regulating level power	1%-100%
Stable lamp operation temp.	- [Not specified]
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]

PHILIPS

sense and simplicity

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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
Wcs auto insertion (ALF/ADS)	0.5 mm ²

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

• Temperature Characteristics

T-case maximum	85 C
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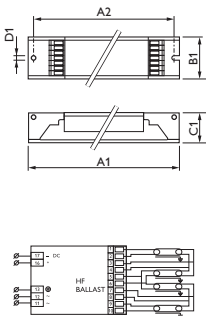
• Approval & Application Char's

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

• Product Dimensions

Length A1	359 mm
Fixing Hole Distance	350 mm
Length A2	
Width B1	39 mm
Height C1	22 mm
Fixing Hole Diameter D1	4.2 mm

Dimensional drawing



Product	A1 (Norm)	A2 (Norm)	B1 (Norm)	C1 (Norm)	D1 (Norm)
HF-R 418 TL-D EII 220-240V 50-60Hz	359	350	39	22	4.2



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data subject to change