

HF-Regulator Intelligent Touch DALI for TL5/TL-D/PL-L lamps

HF-Ri TD 2 14/21/24/39 TL5 E+ 195-240V

This intelligent high-frequency electronic dimming ballast utilizes the DALI or Touch and Dim push-button protocol for fluorescent lamps. It meets A1BAT requirements, thereby pre-empting upcoming legislation. With a special command you can retrieve the system's mains power consumption, and with another you can find out which lamp wattage is connected. Combined with controls, additional energy savings can be achieved.

Product data

• General Characteristics

Interface TD Application code Rated Lamptype TL5 Rated Number of 2 piece Lamps 14/21/24/39

Rated Ballast-Lamp

Power

Line Voltage 195-240 V 50/60 Hz Line Frequency Housing Energy Efficiency A1 BAT

Index Lifetime 90%

surv.@Tcaselife Ignition Method

L 360x30x21

50000 hr

Warm Start

• Operating Characteristics

Automatic restart Ignition time Operating frequency

Mains voltage safety

(AC)

Mains voltage performance (AC) Inrush current Peak Inrush current Width Earth leakage current Power losses gear Standby power

consumption Regulating level power

Ballast Lumen Factor PowerFactor 100%

output power

45 (min), 110 (max) kHz -10%/+10%

-8%/+6%

27 (max) A 0.26 ms 0.5 (max) mA 5.0 W 0.25 (max) W

1%-100%

0.95 -

Battery voltage lamp

ignition

Battery voltage running lamps Overvoltage protec-48 hr tion 320Vac

Overvoltage protection 350Vac

Control input

protection Max ballast on

MCB(16A type B)

Stable lamp operation temp.

Crestfactor Hum and Noise level Total Harmonic

198-254 V

176-254

2 hr

Yes (Basic insulation)

> 15°C

1.7 (max) -Inaudible

10 %

Distortion EUR

Wiring Characteristics

Cable-Cap outputwires to earth Cable-Cap outputwires mutual Conn.type input terminals

Conn.type output terminals

Conn.type ctrl input terminals

Striplength Dual fixture Master/ Slave

200 (max) pF

200 (max) pF

WAGO 251 universal connector [Suitable for both automatic wiring (ALF and ADS) and manual wiring] WAGO 251 universal connector [Suitable for both automatic wiring (ALF and ADS) and manual wiring] WAGO 251 universal connector [Suitable for both automatic wiring (ALF and ADS) and manual wiring]

8.0-9.0 mm

Yes [Master/Slave operation possible]



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Wcs Control input terminals
Wcs Input terminals
Wcs Output terminals
Wcs Output terminals
Wcs auto insertion
(ALF/ADS)

0.50-1.00 mm2
0.50-1.00 mm2
0.50-1.00 mm2
0.50-1.00 mm2

• System Chars on driver level

Rated Lamp Power on TL-D System Power on TL-69.6 Lamp Power on TL-64.0 D Power Loss on TL-D 5.6 24/36/40 Rated Lamp Power on PL-L System Power on PL-50.0/65.6/82.2 Lamp Power on PL-L 45.0/60.0/76.0 Power Loss on PL-L 5.0/5.6/6.2 Rated Lamp Power 14/21/24/39 on TL5 System Power on 31.2/45.7/51.1/79.1 TL5 Lamp Power on TL5 27.4/41.4/46.0/73.0 Power Loss on TL5 3.8/4.3/5.1/6.1 Rated Lamp Power 13/19/20/34 on TL5 ECO System Power on 28.7/42.8/44.9/71.7 TL5 ECO Lamp Power on TL5 25.0/38.2/40.0/66.0 Power Loss on TL5 3.7/4.6/4.9/5.7 **ECO**

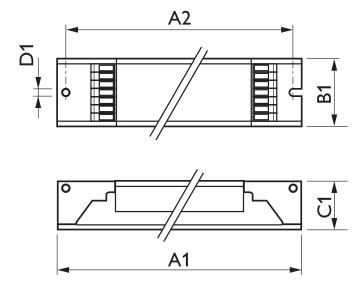
• Temperature Characteristics

T-case life 75 (max) C
T-case maximum 75 (max) C
T-ignition -25 (min), 50 (max) C
T-ambient -25 (min), 50 (max) C
T-storage -40 (min), 80 (max) C

• Product Dimensions

Length A1 360.0 mm

Dimensional drawing



Fixing Hole Distance Length A2
Width B1 30.0 mm
Height C1 21.0 mm
Fixing Hole Diameter 4.1 mm

• Approval & Application Chars

EMI 9kHz .. 30 MHz EN 55015 EMI 30 MHz .. EN 55022 Class B 1000MHz IEC 61347-2-3 Safety Standard Performance IEC 60929 Standard Quality Standard ISO 9000:2000 Environmental ISO 14001 Standard Harmonic current IEC 61000-3-2 emissions **EMC** Immunity IEC 61547 IEC 68-2-6 Fc Vibrations **Bumps** IEC 68-2-29 Eb Humidity EN 61347-2-3 clause 11 Approval marks ENEC / VDE-EMV CE marking Yes Temperature 110 [Yes] marking Emergency standard IEC 60598-2-22

• Product Data

913700698466 Order code 913700698466 Full product code Full product name HF-Ri TD 2 14/21/24/39 TL5 E+ 195-240V Order product name HF-Ri TD 2 14/21/24/39 TL5 E+ 195-240V Pieces per pack Packing configuration 12 Packs per outerbox 12 8718291696919 Bar code on pack -EAN1 Bar code on 8718291696926 outerbox - EAN3

913700698466

12NC
Net weight per piece 0.316 kg

Logistic code(s) -

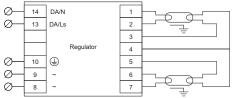
Net weight per piece 0.316 kg

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Dimensional drawing

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Product	A1 (Norm)	A2 (Norm)	B1 (Norm)	B2 (Norm)	C1 (Norm)	D1 (Norm)
HF-Ri TD 2 14/21/24/39 TL5 E+ 195-240V	360.0	350.0	30.0	-	21.0	4.1



HF-Ri TD 2 14/21/24/39, 2 28/35/49/54 TL5 E+



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