

HF-Regulator Intelligent Touch DALI for PL-T/C and TL5C

HF-Ri TD 160 TL5C E+ 195-240V 50/60Hz

Intelligent high-frequency electronic dimming ballast, using DALI (Digital Addressable Lighting Interface according to IEC62386) or Touch and Dim push-button protocol for fluorescent lamps. Features Corridor Mode, programmable with Philips MultiOne. High-frequency operation improves light quality and lamp lifetime. Pre-empts upcoming legislation as it meets A1BAT requirements.

Product data

• General Information

Application Code	E+
Type Version	Not specified
Lamp Type	TL5C
Number Of Lamps	1 piece/unit
Number Of Products On MCB (16A Type B) (Nom)	12
Automatic Restart	Yes

• Operating and Electrical

Input Voltage	195-240 V
Input Frequency	50 to 60 Hz
Operating Frequency (Max)	66 kHz
Operating Frequency (Min)	45 kHz
Ignition Method	Warm Start
Crestfactor (Max)	1.7
Power Factor 100% Load (Nom)	0.95
Ignition Time (Max)	0.6 s
Mains Voltage Performance (AC)	176-275V
Mains Voltage Safety (AC)	154-276V
Earth Leakage Current (Max)	0.5 mA
Inrush Current Width	0.35 ms
Standby Power Consumption (Max)	0.27 W
Ballast Factor (Nom)	1
Power Losses (Nom)	4.0 W
Inrush Current Peak (Max)	45 A

• Wiring

Connector Type Input Terminals	WAGO 250 series
Cable Capacity Output Wires Mutual (Max)	150 pF
Connector Type Output Terminals	WAGO 250 series
Connector Type Control Input Terminals	WAGO 250 series
Wire Striplength	8.0-9.0 mm
Dual Fixture Master/Slave	Yes [Master/Slave operation possible]
Control Input Terminal Cross Section	0.50-1.50 mm²
Input Terminal Cross Section	0.50-1.50 mm²
Output Terminal Cross Section	0.50-1.50 mm²
Auto Insert (ALF/ADS) Wire Cross Section	0.50-1.50 mm²
Cable Capacity Output Wires To Earth (Max)	150 pF

• System characteristics

Rated Ballast-Lamp Power	60 W
Rated Lamp Power On TL5C	60 W

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System Power On TL5C	64 W
Power Loss On TL5C	4 W
Lamp Power On TL5C	60 W

• Temperature

T-Ambient (Max)	50 °C
T-Ambient (Min)	-25 °C
T-Storage (Max)	80 °C
T-Storage (Min)	-40 °C
T-Case Lifetime (Max)	75 °C
T-Case Maximum (Max)	75 °C
Stable Lamp Operation Temperature	> 15°C
T-Ignition (Max)	50 °C
T-Ignition (Min)	-25 °C

• Controls and Dimming

Control Interface	TD
Regulating Level Power	3%-100%
Control Input Protection	Yes (Basic insulation)

• Mechanical and Housing

Housing	L 123x79x33

• Emergency Operation

Battery Voltage Lamp Ignition	198-254 V
Battery Voltage Lamp Operation	176-275

• Approval and Application

Energy Efficiency Index	A1 BAT
EMI 9 kHz ... 30 MHz	EN55015
Safety Standard	IEC 61347-2-3
Performance Standard	IEC 60929
Quality Standard	Not Specified
Environmental Standard	Not Specified
Harmonic Current Emission Standard	Not specified
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	EMC CE marking ENEC certificate
Temperature Marking	Yes
Emergency Standard	IEC 60598-2-22
Hum And Noise Level	24 dB(A)

• Product Data

Full product code	871829171862800
Order product name	HF-Ri TD 160 TL5C E+ 195-240V 50/60Hz
EAN/UPC - Product	8718291718628
Order code	913700761966
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	913700761966
Net Weight (Piece)	0.200 kg

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