



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

HF-Ri TD 280 TL5/PL-L E+ 220-240V

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 Information | | Electrical | |
|--|--------------|--|--|
| Application Code | E+ | Power Factor 100% Load (Nom) | 0.95 |
| Type Version | mk1 | Ignition Time (Max) | 0.2 s |
| Lamp Type | TL5/PL-L | Mains Voltage Performance (AC) | -8%+6% |
| Number Of Lamps | 2 piece/unit | Mains Voltage Safety (AC) | -10%+10% |
| Number Of Products On MCB (16A Type B) (Nom) | 9 | Earth Leakage Current (Max) | 0.5 mA |
| Automatic Restart | Yes | Inrush Current Width | 0.35 ms |
| Operating and Electrical | | Standby Power Consumption (Max) | 0.25 W |
| Input Voltage | 220 to 240 V | Ballast Factor (Nom) | 1.0 |
| Input Frequency | 50 to 60 Hz | Power Losses (Nom) | 11.3 W |
| Operating Frequency (Max) | - kHz | Inrush Current Peak (Max) | 35 A |
| Operating Frequency (Min) | - kHz | Wiring | |
| Ignition Method | Warm Start | Connector Type Input Terminals | WAGO 251 universal connector [Suitable for both automatic wiring (ALF and ADS) and manual wiring] |
| Crestfactor (Max) | 1.7 | Cable Capacity Output Wires Mutual (Max) | 150 pF |

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| Connector Type Output Terminals | WAGO 251 universal connector [Suitable for both automatic wiring (ALF and ADS) and manual wiring] |
| Connector Type Control Input Terminals | WAGO 251 universal connector [Suitable for both automatic wiring (ALF and ADS) and manual wiring] |
| Wire Striplength | 8.0-9.0 mm |
| Dual Fixture Master/Slave | - [not specified] |
| Control Input Terminal Cross Section | 0.50-1.00 mm ² |
| Input Terminal Cross Section | 0.50-1.00 mm ² |
| Output Terminal Cross Section | 0.50-1.00 mm ² |
| Auto Insert (ALF/ADS) Wire Cross Section | 0.5 mm ² |
| Cable Capacity Output Wires To Earth (Max) | 150 pF |

System characteristics

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|--------------------------|------|
| Rated Ballast-Lamp Power | 80 W |
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Temperature

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|-----------------------------------|---------------|
| T-Ambient (Max) | 50 °C |
| T-Ambient (Min) | 15 °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 | Not Specified |
| T-Ignition (Max) | 50 °C |
| T-Ignition (Min) | 0 °C |

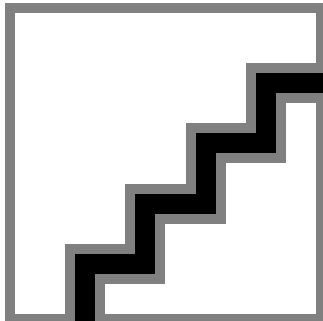
Controls and Dimming

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|--------------------------|------------------------|
| Control Interface | TD |
| Regulating Level Power | 1%-100% |
| Control Input Protection | Yes (Basic insulation) |

Mechanical and Housing

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|---------|-------------|
| Housing | L 425x30x21 |
|---------|-------------|

Dimensional drawing



HF-R TD 280 TL5/PL-L E+

| | |
|--------------------------------|---------|
| Emergency Operation | |
| Battery Voltage Lamp Ignition | 220 V |
| Battery Voltage Lamp Operation | 154-276 |

Approval and Application

| | |
|------------------------------------|---|
| Energy Efficiency Index | A1 |
| EMI 9 kHz ... 30 MHz | EN55015 |
| EMI 30 MHz ... 1000 MHz | EN55022 level B |
| Safety Standard | IEC 61347-2-3 |
| Performance Standard | IEC 60929 |
| Quality Standard | ISO 9000:2000 |
| Environmental Standard | ISO 14001 |
| Harmonic Current Emission Standard | IEC 61000-3-2 |
| EMC Immunity Standard | IEC 61547 |
| Vibration Standard | IEC68-2-6 F c |
| Bumps Standard | IEC 68-2-29 Eb |
| Humidity Standard | EN 61347-2-3 clause 11 |
| Approval Marks | EMC CE marking ENEC certificate CCC certificate |
| Temperature Marking | Yes |
| Emergency Standard | IEC 60598-2-22 |
| Hum And Noise Level | 30 dB(A) |

Product Data

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|---------------------------------|-----------------------------------|
| Full product code | 871150091067730 |
| Order product name | HF-Ri TD 280 TL5/PL-L E+ 220-240V |
| EAN/UPC - Product | 8711500910677 |
| Order code | 913700609666 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 12 |
| Material Nr. (12NC) | 913700609666 |
| Net Weight (Piece) | 0.417 kg |

| Product | D1 | C1 | A1 | A2 | B1 |
|-----------------------------------|--------|-------|--------|--------|-------|
| HF-Ri TD 280 TL5/PL-L E+ 220-240V | 4.2 mm | 22 mm | 424 mm | 415 mm | 30 mm |

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