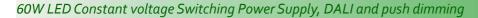
FTMC60V-DA series





PRELIMINATE OF THE PROPERTY OF

■ Features:

• Constant voltage design

• European AC input range

• Protections: Short circuit / Over current / Over voltage / Over temperature

• Cooling by free air convection

• Isolation class I

• Linear shape

• DALI and push dimming function



| | | V V V V = TODELV |
|------------------------------|--------------------------------|----------------------|
| ©ELECTRICAL SPECIFICA | TION | |
| MODEL | FTMC60V12-DA | FTMC60V24-DA |
| ОИТРИТ | | |
| Rated Voltage | 12V | 24V |
| Rated Current | 5A | 2.5A |
| Rated Power | 60W | |
| Power Range | 0 ÷ 60W | |
| Dimming Range | 1 - 100% | |
| Line Reglation | ± 1% | |
| Load Reglation | ± 2% | |
| Voltage Tolerance [2] | ± 5% | |
| Ripple & Noise (max.) [3] | 150mV _{P-P} | 160mV _{P-P} |
| Setup, Rise, Holdup time [4] | 0.55s, 2s, 7ms | |
| INPUT | | |
| Voltage Range | 220 ÷ 240VAC | |
| Frequency Range | 50/60Hz | |
| Power Factor (typ.) | PF > 0.98/ 230VAC at full load | |

| INPUT | | | |
|-----------------------|-------------------------------|--------------------------------|--|
| Voltage Range | 220 ÷ 240VAC | 220 ÷ 240VAC | |
| Frequency Range | 50/60Hz | 50/60Hz | |
| Power Factor (typ.) | PF > 0.98/ 230VAC at full loa | PF > 0.98/ 230VAC at full load | |
| Efficiency (typ.) | 88% | 88% 90% | |
| AC current (typ.) | 0.4A / 230VAC | | |
| Inrush current (max.) | 50A / 230VAC(25°C) | 50A / 230VAC(25°C) | |

| PROTECTIONS | | |
|------------------|---|-------------------------------|
| Over Current | Range: 110 ÷ 150% | |
| | Type:Type: hiccup mode. Recovers automatically after fault condition is removed. | |
| Over Voltage | 15VDC | 26VDC |
| | Type: Type: hiccup mode. Recovers automatically after fault condition is removed. | |
| Short Circuit | Type: hiccup mode. Recovers automatically after fault condition is removed. | |
| Over Temperature | Range: 110°C ± 10°C | |
| | Type: shut down output volt | age. Re-power on to recovery. |

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FTMC60V-DA series



60W LED Constant voltage Switching Power Supply, DALI and push dimming

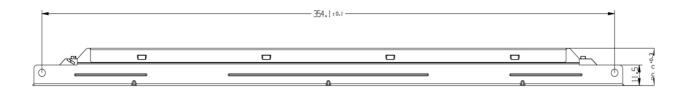
| WORKING ENVIRONMENT | | |
|---|--|--|
| <i>Working Temperature</i> -40°C ÷ 50°C | | |
| Working Humidity | 15 ÷ 95% RH non-condensing | |
| Storage Temperature and Humidity | umidity -40°C ÷ 80°C, 10 ÷ 95% RH non-condensing | |

| SAFETY AND EMC REGULATIONS | | |
|----------------------------|---|--|
| Safet Standards | Compliance to EN61347-1, EN61347-2-13 | |
| Withstand Voltage | IN/OUT: 5.3kVDC/1min | |
| Isolation Resistance | IN/OUT: 50MΩ/500VDC/25°C/70% | |
| EMC Emission | Compliance to EN55015 | |
| EMC Immunity | Compliance to EN61547; EN61000-4-2, -3, -4, -5, -6; | |
| Harmonic Current | Compliance to EN61000-3-3; EN61000-3-2 class C (≥ 100% load) | |
| | | |

| OTHERS | | |
|--------------------|---|------------------|
| Dimensions | 365.5 x 30 x 21mm (L x W x H) | |
| Weight and Packing | 0.29kg; 50pcs./ctn; ctn dimensions: 39 x 21 x | 33cm |
| EAN Code | 5 1902 1 3 5 1 1 3 4 2 2 1 | 5190213511342381 |

- 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- 2. Tolerance incudes set up tolerance, line regulation and load regulation.
- 3. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a $0.1\mu F$ i $47\mu F$ parallel capacitor.
- 4. Setup and rise time is measured from 0 to 90% rated output voltage.
- 5. Power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment must be re-qualify to comply with EMC Directives.

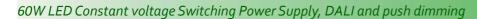
® MECHANICAL SPECIFICATION





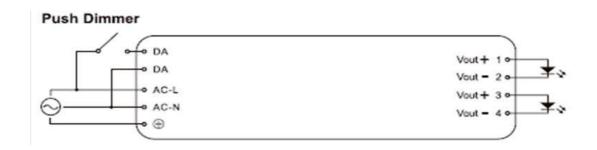
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FTMC60V-DA series





OPUSH DIMMING WIRING DIAGRAM



| FUNCTION | Push time |
|---------------------|-------------|
| No status change | <0.05 sec. |
| Push on/off | 0.1-1 sec. |
| Dimming up or down | 1.5-10 sec. |
| Set 100% brightness | >11 sec. |

Factory setting 100%
Each time press will change the dimming direction

ODALI WIRING DIAGRAM



| PIN ASSIGNMENT | | |
|----------------|----------|----------------------------|
| | Function | Description |
| DA | | DA signal/ neutral wire |
| DA | | DA signal/ line wire |
| AC/N | | Input: AC/N |
| AC/L | | Input: AC/L |
| Vout + | | Output: U _{оυτ} + |
| Vout - | | Output: U _{ouт} - |

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