

IP42
IS 15885(Part 2/Sec13)
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R-62002178
(made in India only)
R-41027766
(except for 5V)



■ Features

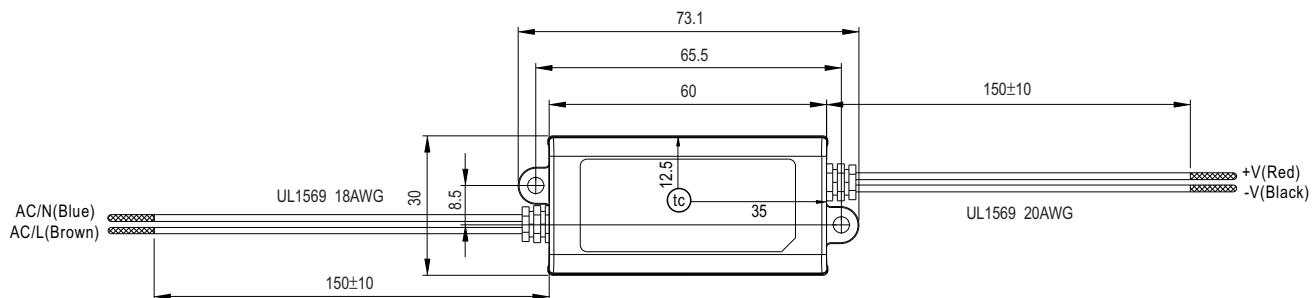
- Constant voltage design
- Universal AC input / Full range
- Class II power unit, no FG
- Fully isolated plastic case
- IP42 design
- Small and compact size
- Cooling by free air convection
- Protections: Short circuit / Overload / Over voltage
- No load power consumption <0.5W
- 100% full load burn-in test
- 2 years warranty

■ Applications

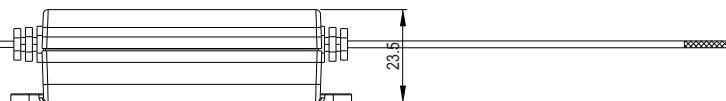
- Suitable for LED related fixture or appliance (such as LED Decoration or Advertisement devices)

■ Mechanical Specification

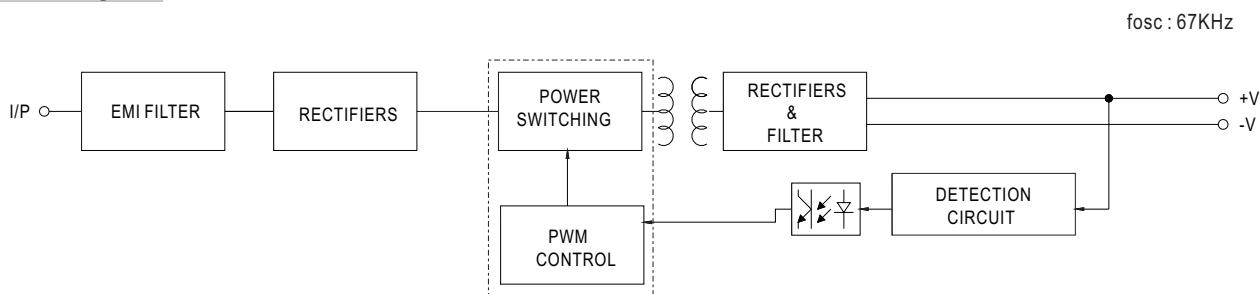
Unit:mm Tolerance: ± 1



• (t_c) : Max. Case Temperature



■ Block Diagram



SPECIFICATION

| | | |
|--------------|------------------------------|---|
| OUTPUT | DC VOLTAGE | 24V |
| | RATED CURRENT | 0.34A |
| | CURRENT RANGE | 0 ~ 0.34A |
| | RATED POWER | 8.16W |
| | RIPPLE & NOISE (max.) Note.2 | 300mVp-p |
| | VOLTAGE TOLERANCE Note.3 | ±5.0% |
| | LINE REGULATION | ±1.0% |
| | LOAD REGULATION | ±2.0% |
| | SETUP, RISE TIME | 500ms, 30ms / 230VAC 1500ms, 30ms / 115VAC at full load |
| INPUT | HOLD UP TIME (Typ.) | 20ms/230VAC at full load |
| | VOLTAGE RANGE Note.4 | 90 ~ 264VAC 127 ~ 370VDC (Note.6) |
| | FREQUENCY RANGE | 47 ~ 63Hz |
| | EFFICIENCY (Typ.) | 81% |
| | AC CURRENT | 0.15A/230VAC 0.3A/115VAC |
| | INRUSH CURRENT(Typ.) | COLD START 70A(twidth=120μs measured at 50% Ipeak) at 230VAC |
| PROTECTION | LEAKAGE CURRENT | 0.25mA / 240VAC |
| | SHORT CIRCUIT | Hiccup mode, recovers automatically after fault condition is removed |
| | OVER LOAD | Above 105% rated output power |
| | | Protection type : Hiccup mode, recovers automatically after fault condition is removed |
| ENVIRONMENT | OVER VOLTAGE | 27.6 ~ 32.4V |
| | | Protection type : Shut off o/p voltage, clamping by zener diode |
| | WORKING TEMP. | -30 ~ +70°C (Refer to "Derating Curve") |
| | WORKING HUMIDITY | 20 ~ 90% RH non-condensing |
| | STORAGE TEMP., HUMIDITY | -40 ~ +80°C, 10 ~ 95% RH |
| SAFETY & EMC | TEMP. COEFFICIENT | ±0.03%/°C (0 ~ 45°C) |
| | VIBRATION | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes |
| | SAFETY STANDARDS Note.8 | UL8750, CSA C22.2 No.250.0-08, BIS IS15885(except for 5V), BIS IS15885(R-62002178 made in India only), EAC TP TC 004, BS EN/EN 62368-1 approved |
| | WITHSTAND VOLTAGE | I/P-O/P:3.75KVAC |
| OTHERS | ISOLATION RESISTANCE | I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH |
| | EMC EMISSION | Compliance to BS EN/EN55032, BS EN/EN61000-3-2, BS EN/EN61000-3-3, EAC TP TC 020 |
| | EMC IMMUNITY | Compliance to BS EN/EN55035, BS EN/EN61000-4-2,3,4,5,6,8,11; light industry level(surge 2KV), EAC TP TC 020 |
| | MTBF | 9638.4K hrs min. Telcordia SR-332 (Bellcore); 1631.5K hrs min. MIL-HDBK-217F (25°C) |
| NOTE | DIMENSION | 60*30*23.5mm(L*W*H) |
| | | |
| NOTE | 1. | All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. |
| | 2. | Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. |
| | 3. | Tolerance : includes set up tolerance, line regulation and load regulation. |
| | 4. | Derating may be needed under low input voltage. Please check the static characteristics for more details. |
| | 5. | The 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 manufacturers must re-qualify EMC Directive on the complete installation again. |
| | 6. | When applying DC voltage for input, please connect the brown input wire to the positive side whereas blue input wire to the negative side. |
| | 7. | The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft). |
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