

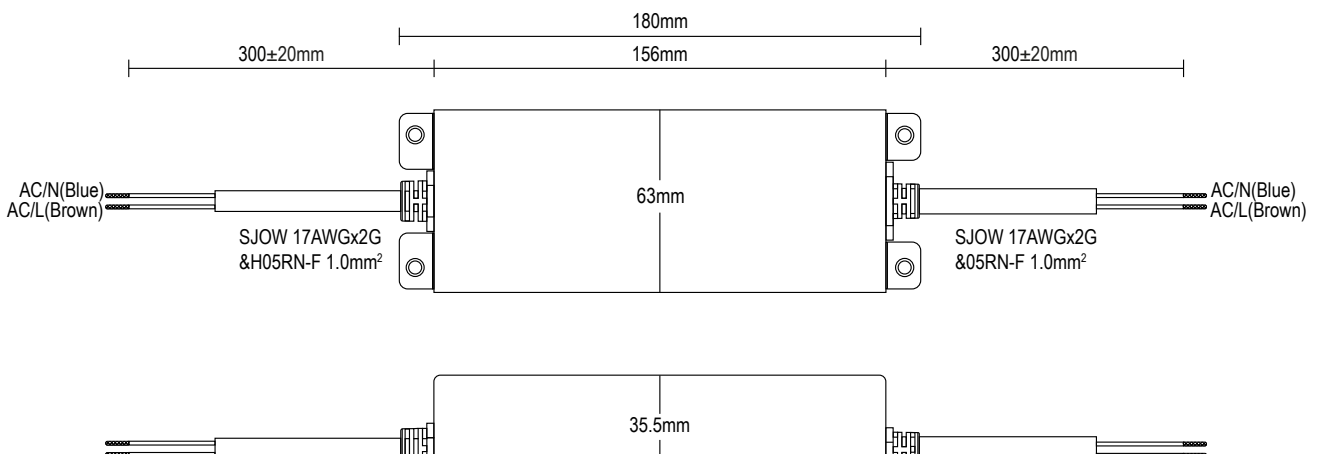


Fuente de alimentación de tensión constante.
Funciona desde 100 ~ 305VAC.
Consigue una alta eficiencia sin ventilador, hasta un 88% gracias a un diseño optimizado y es capaz de funcionar desde -40°C ~ +85°C.

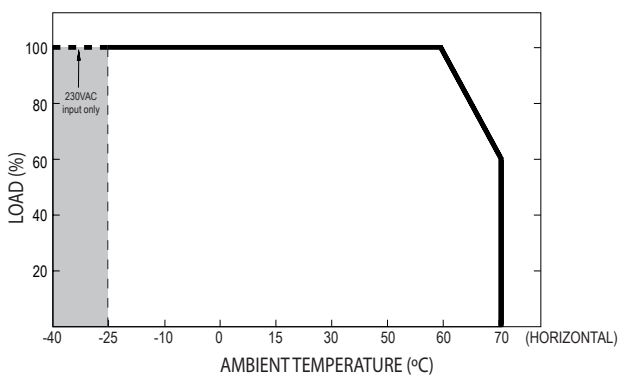
*Constant coltage power supply.
Operates from 100 ~ 305VAC.
It achieves high efficiency without fan, up to 88% to an optimized design and is capable of operating from -40°C ~ +85°C.*

- 5**
Warranty
Years
- 12-24 V
DC
- IP20
-

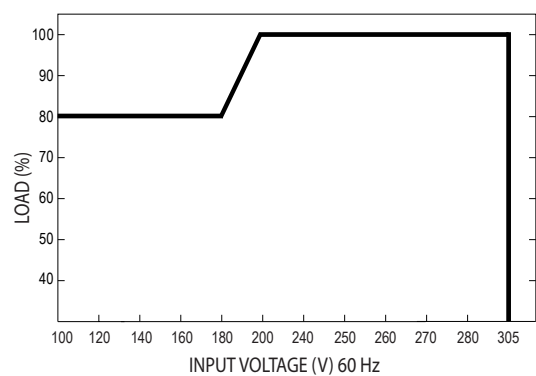
• Medidas / Dimensions



• Carga de salida vs temperatura / Output load vs temperature



• Características estáticas / Static characteristics



• **Características / Characteristics**

| MODEL | FH75-12 | FH75-24 | | |
|------------------|---|---|---|----------------|
| OUTPUT | DC VOLTAGE | 12V | 24V | |
| | CONSTANT CURRENT (4) | 6 ~ 12V | 12 ~ 24V | |
| | RATED CURRENT | 5A | 3.15A | |
| | RATED POWER (5) | 200VAC ~ 305VAC | | |
| | | 60W | 75.6W | |
| | | 100VAC ~ 180VAC | | |
| | RIPPLE & NOISE (max.) (2) | 150mVp-p | 200mVp-p | |
| | VOLTAGE TOLERANCE (4) | ±3.0% | | |
| | LINE REGULATION | ±0.5% | | |
| | LOAD REGULATION | ±2.0% | ±1% | |
| | SETUP, RISE TIME (6) | 500ms, 100ms / 115VAC, 230VAC | | |
| | HOLD UP TIME | 10ms / 230VAC 10ms / 115VAC(at full load) | | |
| INPUT | VOLTAGE RANGE (5) | 100 ~ 305VAC | 142 ~ 431VDC | |
| | FREQUENCY RANGE | 47 ~ 63Hz | | |
| | POWER FACTOR | PF≥0.97/115VAC, PF≥0.95/230VAC, PF≥0.92/277VAC @ full load | | |
| | TOTALLY HARMONIC DISTORTION | THD< 20% (@ load≥50% / 115VAC,230VAC; @ load≥75% / 277VAC) | | |
| | EFFICIENCY | 85% | 88% | |
| | AC CURRENT | 0.7A / 115VAC | 0.45A / 230VAC | 0.38A / 277VAC |
| | INRUSH CURRENT | COLD START 50A(twidth=350μ s measured at 50% Ipeak) at 230VAC; Per NEMA 410 | | |
| | MAX. No. of PSUs on 16A CIRCUIT BREAKER | 5 units (circuit breaker of type B) / 8 units (circuit breaker of type C) at 230VAC | | |
| | LEAKAGE CURRENT | <0.75mA / 277VCA | | |
| | NO LOAD POWER CONSUMPTION | No load power consumption <0.5W | | |
| | PROTECTION | OVER CURRENT | 95 ~ 108% Constant current limiting, recovers automatically after fault condition is removed | |
| | | SHORT CIRCUIT | Hiccup mode, recovers automatically after fault condition is removed | |
| OVER VOLTAGE | | 14 ~ 18V | 28 ~ 34V | |
| OVER TEMPERATURE | | Shut down and latch off o/p voltage, re-power on to recover | | |
| ENVIRONMENT | WORKING TEMP. | Tcase= -40 ~ +85°C | | |
| | MAX. CASE TEMP. | Tcase= +85°C | | |
| | WORKING HUMIDITY | 20 ~ 95% RH non-condensing | | |
| | STORAGE TEMP., HUMIDITY | -40 ~ +80°C, 10 ~ 95% RH | | |
| | TEMP. COEFFICIENT | ±0.03%/°C (0 ~ 60°C) | | |
| | VIBRATION | 10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes | | |
| SAFETY & EMC | SAFETY STANDARDS | UL8750, CSA C22.2 No. 250.13-12; IEC/EN/AS/NZS 61347-1, IEC/EN/AS/NZS 61347-2-13 independent, EN62384; EAC TP TC 004; IP65 or IP67; GB19510.1, GB19510.14; KC61347-1, KC61347-2-13 approved | | |
| | WITHSTAND VOLTAGE | I/P-O/P: 3.75KVAC I/P-FG: 2KVAC O/P-FG: 1.5KVAC | | |
| | ISOLATION RESISTANCE | I/P-O/P, I/P-FG, O/P-FG: 100M Ohms /500VDC / 25°C / 70% RH | | |
| | EMC EMISSION | Compliance to EN55015, EN61000-3-2 Class C (@load≥50%); EN61000-3-3; GB17743, GB17625.1; EAC TP TC 020; KC KN15, KN61547 | | |
| | EMC IMMUNITY | Compliance to EN61000-4-2,3,4,5,6,8,11; EN61547, light industry level (surge immunity Line-Earth 6KV, Line-Line 4KV); EAC TP TC 020; KC KN15,KN61547 | | |

| MODEL | | FH75-12 | FH75-24 |
|--------|-----------|--|-----------------------------------|
| | MTBF | 1172K hrs min. Telcordia SR-332 (Bellcore) | 331Khrs min. MIL-HDBK-217F (25°C) |
| OTHERS | DIMENSION | 180*63*35.5mm (L*W*H) | |
| | PACKING | 0.8Kg; 16pcs/13.4Kg/0.67CUFT | |

NOTE

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Please refer to "DRIVING METHODS OF LED MODULE".
3. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
4. Tolerance: includes set up tolerance, line regulation and load regulation.
5. De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" section details.
6. Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.
7. The driver 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.
8. This series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly (Tc) point (or TMP, per DLC), is about 75°C or less.
10. The ambient temperature derating of 3.5°C/100m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).

