Fuente alimentación/ *Power supply*

FAC
150

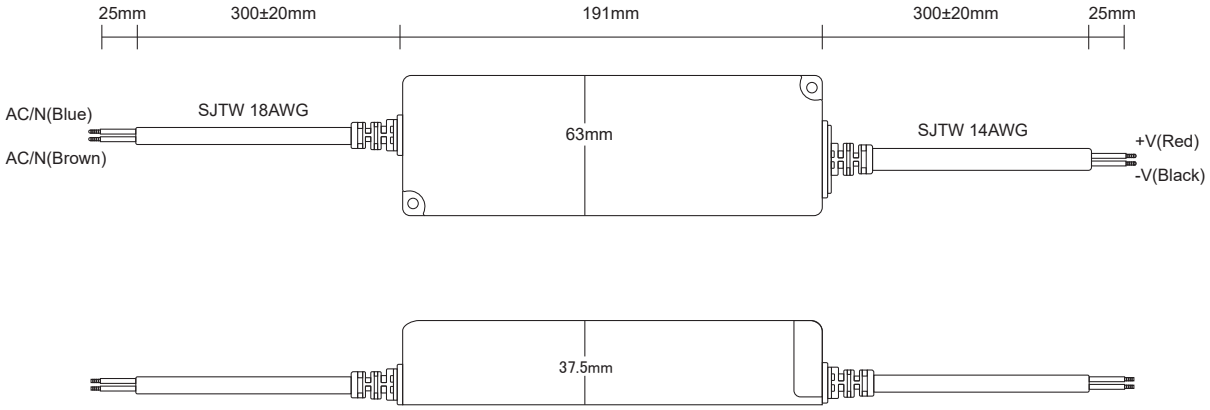
Fuente de alimentación de tensión constante.
Funciona desde 180 ~ 305VAC.
Consigue una alta eficiencia sin ventilador, hasta un 89% gracias a un diseño optimizado y es capaz de funcionar desde -25ºC ~ +65ºC.

Constant coltage power supply.
Operates from from 180 ~ 305VAC.
It achieves high efficiency without fan, up to 89% to an optimized design and is capable of operating from -25ºC ~ +65ºC.

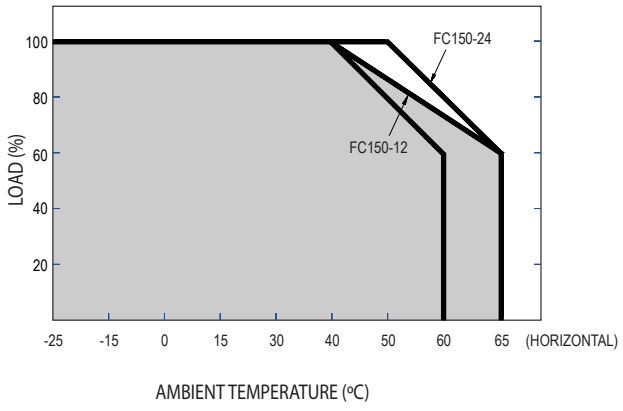
12-24 V
DC

IP20

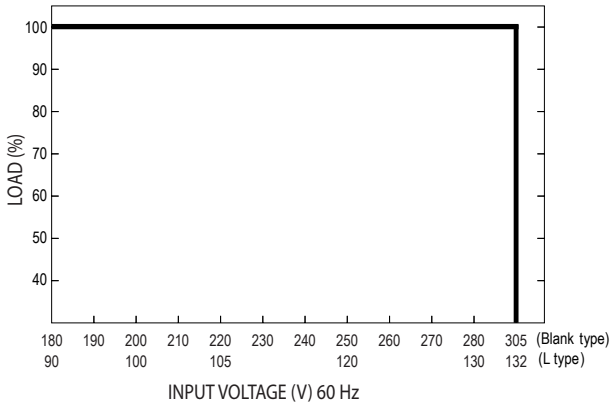
- **Medidas** / *Dimensions*



- **Curva de reducción** / *Derating curve*



- **Características estáticas** / *Static characteristics*



• **Características** / *Characteristics*

MODEL		**FC150-12**	**FC150-24**
OUTPUT	**DC VOLTAGE**	12V	24V
	RATED CURRENT	10A	6.3A
	CURRENT RANGE	0 ~ 10A	0 ~ 6.3A
	RATED POWER	120W	151.2W
	RIPPLE & NOISE (max.) (2)	200mVp-p	
	VOLTAGE TOLERANCE (3)	±5.0%	
	LINE REGULATION	±1.0%	
	LOAD REGULATION	±2.0%	
	SETUP, RISE TIME (6)	500ms, 50ms / 230VAC 500ms, 50ms / 277VAC	
	HOLD UP TIME	18ms / 230VAC 20ms / 115VAC at full load	
INPUT	**VOLTAGE RANGE (4)**	180 ~ 305VAC 254 ~ 431VDC	
	FREQUENCY RANGE	47 ~ 63Hz	
	EFFICIENCY	87%	89%
	AC CURRENT	1.7A / 230 VAC 1.5A / 277VAC	
	INRUSH CURRENT	COLD START 60A (twidth=900μs measured at 50% Ipeak) at 230VAC	
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	2 units (circuit breaker of type B) / 3 units (circuit breaker of type C) at 230VAC	
	LEAKAGE CURRENT	0.25mA / 240VCA	
PROTECTION	**OVERLOAD**	110 ~ 150% rated output power	
		Protection type: Hiccup mode, recovers automatically after fault condition is removed	
	OVER VOLTAGE	13.5 ~ 18V	27 ~ 35V
		Protection type: Shut down o/p voltage, re-power on to recover	
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down	
ENVIRONMENT	**WORKING TEMP.**	-25 ~ +65ºC	
	WORKING HUMIDITY	20 ~ 90% RH non-condensing	
	STORAGE TEMP., HUMIDITY	-40 ~ +80ºC, 10 ~ 95% RH	
	TEMP. COEFFICIENT	± 0.03%/ºC (0 ~ 40ºC for FC150-12; 0 ~ 50ºC for FC150-24)	
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes	
SAFETY & EMC	**SAFETY STANDARDS**	UL8750, CSA C22.2 No.250.13-12, UL879, CSA C22.2 No.207-M89, BIS IS15885, EAC TP TC 004, IP67 approved. Design refer to EN60950-1	
	WITHSTAND VOLTAGE	I/P-O/P: 3KVAC	
	ISOLATION RESISTANCE	I/P-O/P: 100M Ohms / 500VDC / 25ºC / 70% RH	
	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2 Class A(≤80% load), EN61000-3-3, EAC TP TC 020	
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; EN55024, light industry level, criteria A, EAC TP TC 020	
OTHERS	**MTBF**	703Khrs min. MIL-HDBK-217F (25ºC)	
	DIMENSION	191*63*37.5mm (L*W*H)	
	PACKING	0.74Kg; 20pcs/15.8Kg/0.95CUFT	

NOTE

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25ºC of ambient temperature.
2. Ripple & noise are measured at 20MHz of banswidth 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. 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 unit might not be suitable for toghting applications in EU countries. Please check with your local authorities for the possible use of the unit.
8. Suitable for indoor use or outdoor use without direct sunlight exposure. Please avoid inmerse in the water over 30 minute.