

FCA200F

FCA 200 F -24 -□

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FCA



RoHS



- ① Series name
 ② Output wattage
 ③ Universal input
 ④ Output voltage
 ⑤ Optional *6
 N1: with DIN rail attachment

MODEL	FCA200F-24
MAX OUTPUT WATTAGE[W]	200 (Peak 1,008)
DC OUTPUT	24V 8.4 (Peak 42)A

SPECIFICATIONS

INPUT	MODEL	FCA200F-24
	VOLTAGE[V]	AC187 - 528 1 φ or DC265 - 530
	CURRENT[A]	ACIN 240V 1.10typ ACIN 480V 0.55typ
	FREQUENCY[Hz]	50/60 (47 - 63)
	EFFICIENCY[%]	ACIN 240V 81typ ACIN 480V 81typ
	POWER FACTOR	ACIN 240V 0.98typ ACIN 480V 0.93typ
	INRUSH CURRENT[A]	ACIN 240V 25typ (At cold start) (At Room Temperature) ACIN 480V 50typ (At cold start) (At Room Temperature)
	LEAKAGE CURRENT[ma]	1.5max (60Hz, According to IEC60950)
OUTPUT	VOLTAGE[V]	24
	CURRENT[A]	*1 8.4 (Peak 42)
	LINE REGULATION[mV]	96max
	LOAD REGULATION[mV]	0 - 8.4A 150max
	RIPPLE[mVp-p]	0 to +50℃ *2 240max -10 - 0℃ *2 320max
	RIPPLE NOISE[mVp-p]	0 to +50℃ *2 680max -10 - 0℃ *2 720max
	TEMPERATURE REGULATION[mV]	-10 to +50℃ 600max
	DRIFT[mV]	*5 100max
	START-UP TIME[ms]	800max (ACIN 240V, Io=100%)
	HOLD-UP TIME[ms]	100typ (ACIN 240V, Io=100%)
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	21.6 - 26.4
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION	Works over 105% of peak current and recovers automatically
	OVERVOLTAGE PROTECTION	Works at 115 - 140% of rating
	OPERATING INDICATION	LED (Green)
ISOLATION	INPUT-OUTPUT	AC3,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature)
	INPUT-FG	AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature)
	OUTPUT-FG	AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (At Room Temperature)
ENVIRONMENT	OPERATING TEMP., HUMID. AND ALTITUDE	-10 to +60℃, 20 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max
	STORAGE TEMP., HUMID. AND ALTITUDE	-20 to +75℃, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max
	VIBRATION	*3 10 - 55Hz, 19.6m/s ² (2G), 3minutes period, 60minutes each along X, Y and Z axis
	IMPACT	*3 196.1m/s ² (20G), 11ms, once each X, Y and Z axis
SAFETY AND NOISE REGULATIONS	AGENCY APPROVALS	UL60950-1, C-UL, EN60950-1
	CONDUCTED NOISE	Complies with FCC-A, CISPR11-A, EN55011-A
OTHERS	CASE SIZE/WEIGHT	*4 150 X 125 X 125mm (W X H X D) / 1,700g max
	COOLING METHOD	Convection

*1 Peak current for 50ms in a 30seconds period is acceptable.

*2 In case of rated input/output(ACIN240-480V/8.4A), either the 20MHz oscilloscope or the ripple noise meter(equivalent to Keisokugiken:RM101) is used.

*3 Option with DIN rail attachment(N1) is only for direction X(refer to sec4.2 in manual).

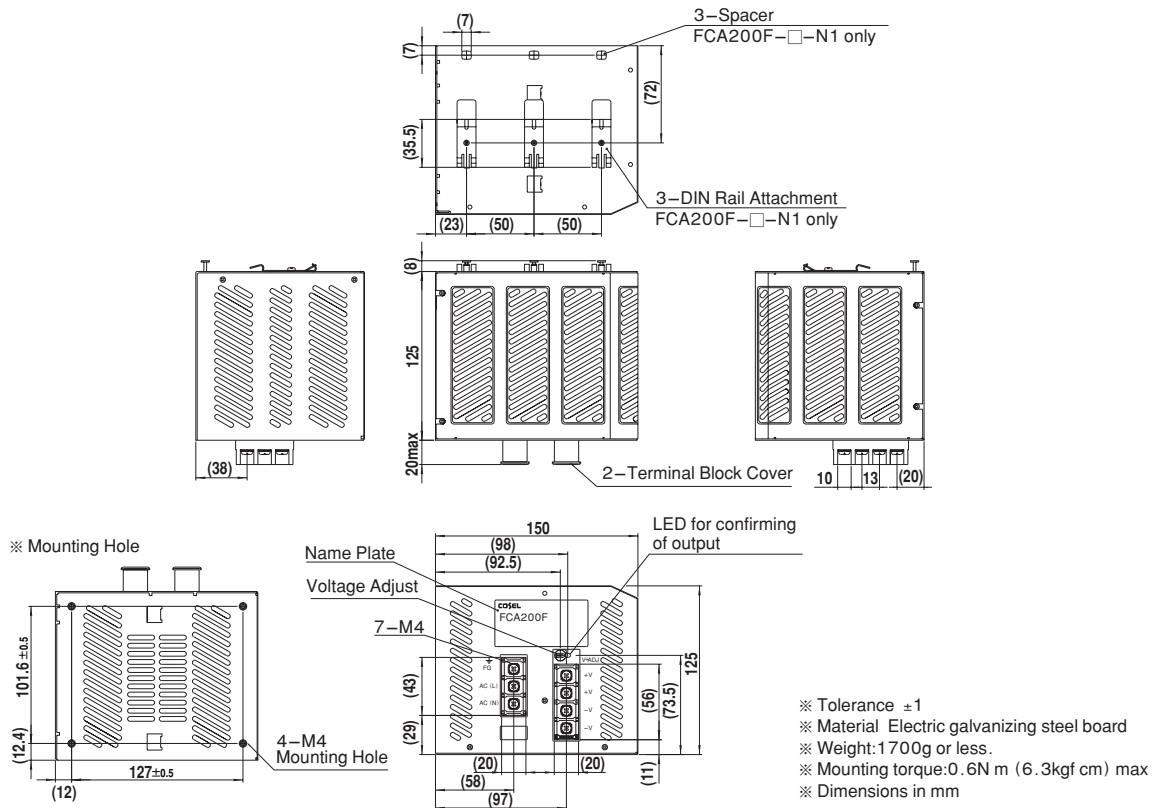
*4 Depth of power supply is 133mm with DIN rail attachment.

*5 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25℃, with the input voltage held constant at the rated input/output.

*6 Please contact us about safety approvals for the model with option.

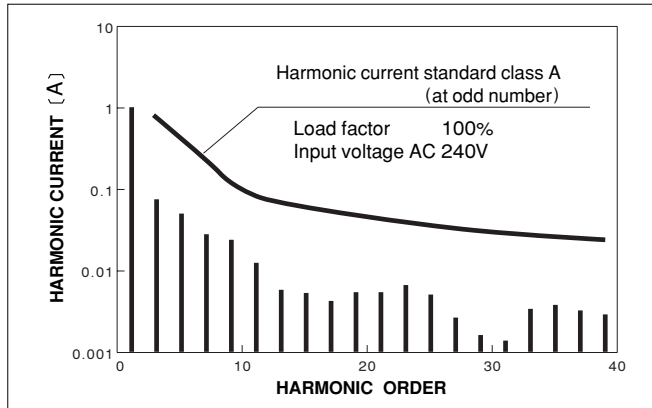
External view

FCA

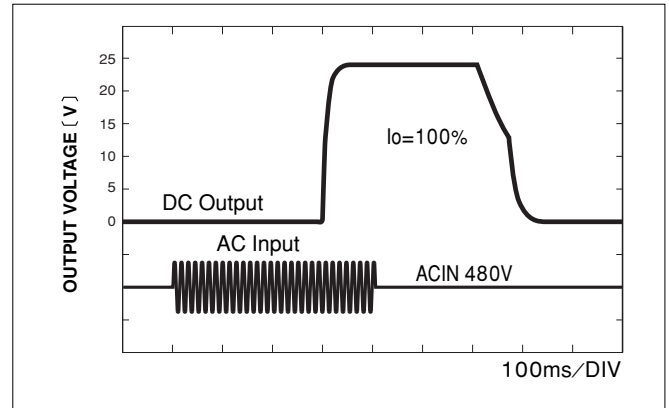


Performance data

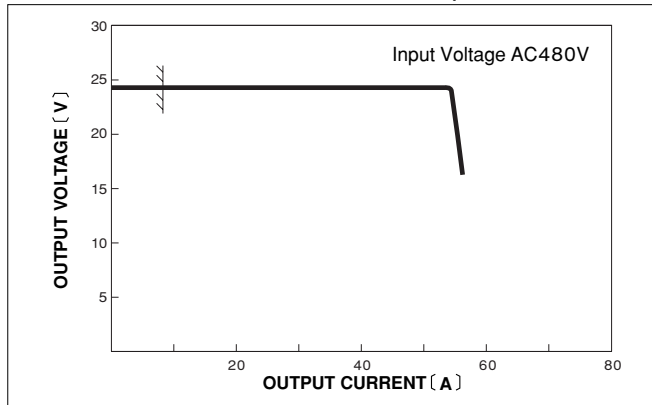
INPUT HARMONIC CURRENT (FCA200F-24)



RISE TIME & FALL TIME (FCA200F-24)



OVERCURRENT CHARACTERISTICS (FCA200F-24)



INRUSH CURRENT (FCA200F-24)

