CNUS & CE **RoHS**



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

MODEL	FCA50F-24
MAX OUTPUT WATTAGE[W]	50(Peak 160)
DC OUTPUT	24V 2.1(Peak 6.7)A

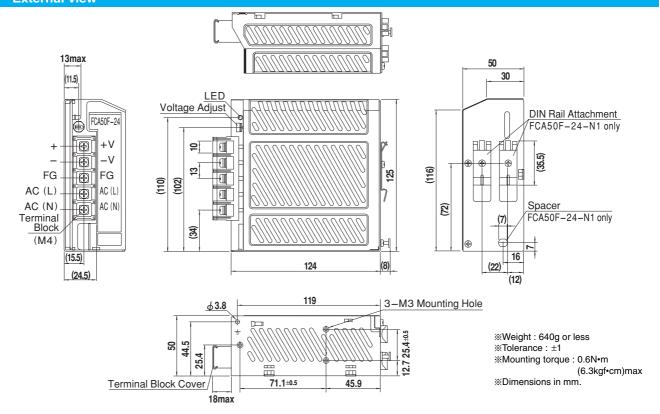
SPECIFICATIONS

	MODEL		FCA50F-24
INPUT	VOLTAGE[V]		AC187 - 528 1 φ or DC265 - 746
	CURRENT[A]	ACIN 240V	0.55typ
		ACIN 480V	0.30typ
	FREQUENCY[Hz]		50/60 (47 - 63)
	EFFICIENCY[%]	ACIN 240V	82typ
		ACIN 480V	78typ
	INRUSH CURRENT[A]	ACIN 240V	25typ (At cold start) (At Room Temperature)
		ACIN 480V	50typ (At cold start) (At Room Temperature)
	LEAKAGE CURREN	T[mA]	0.75max (60Hz, According to IEC62368-1)
	VOLTAGE[V]		24
	CURRENT[A]	*1	2.1 (Peak 6.7)
	LINE REGULATION[mV]		96max
	LOAD REGULATION[mV]		150max
	LOAD HEGGEAHOR[IIIV]	0 - 6.7A	480max
	RIPPLE[mVp-p]		240max
OUTPUT	······································	-10 - 0℃ *2	
0011 01	RIPPLE NOISE[mVp-p]	0 to +50°C *2	
		-10 - 0℃ *2	720max
	TEMPERATURE REGULATION[mV]	-10 to +50℃	
	DRIFT[mV] *5		100max
	START-UP TIME[ms]		800max (ACIN 240V, Io=100%)
	HOLD-UP TIME[ms]		10typ (ACIN 240V, Io=100%)
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		21.6 - 26.4
PROTECTION			· · · · · · · · · · · · · · · · · · ·
OTHERS	OVERVOLTAGE PROTECTION		Works at 115 - 140% of rating
OTTLENS	OPERATING INDICATION		LED (Green)
	INPUT-OUTPUT		AC3,000V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (At Room Temperature)
ISOLATION	INPUT-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (At Room Temperature)
	OUTPUT-FG		AC500V 1minute, Cutoff current = 100mA, DC500V $50M\Omega$ min (At Room Temperature)
			-10 to +70°C, 20 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max -20 to +75°C, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max
ENVIRONMENT	STORAGE TEMP, HUMID. AND ALTITUDE		<u> </u>
			10 - 55Hz, 19.6m/s² (2G), 3minutes period, 60minutes each along X, Y and Z axis 196.1m/s² (20G), 11ms, once each X, Y and Z axis
SAFETY AND	IMPACT AGENCY APPROVAI	*3	196.1m/s² (20G), 11ms, once each X, Y and Z axis UL60950-1, C-UL, EN62368-1
	CONDUCTED NOISE		Complies with FCC-A, CISPR11-A, EN55011-A
OTHERS	CASE SIZE/WEIGHT		50 x 125 x 124mm (W x H x D) / 640g max
	COOLING METHOD		Solv 125 x 124mm (W x H x D) / 640g max Convection
	COOLING WETHOD		Convection

- *1 Peak current for 150ms in a 30seconds period is acceptable.
 *2 In case of rated input/output(ACIN240-480v/2.1A), 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).

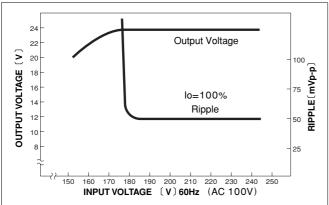
- 4 Depth of power supply is 132mm with DIN rail attachment.
 5 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C, with the input voltage held constant at the rated input/output.
 6 Please contact us about safety approvals for the model with option.

External view

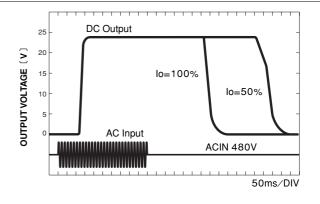


Performance data

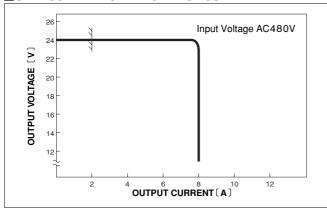
INSTATIC CHARACTERISTICS



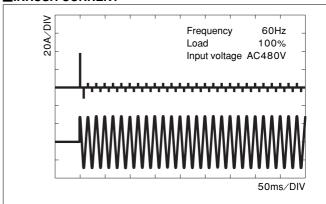
■RISETIME & FALLTIME



MOVERCURRENT CHARACTERISTICS



■INRUSH CURRENT



c¶°us ≜ C€ **RoHS**



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

FCA75F-24 MODEL MAX OUTPUT WATTAGE[W] 75(Peak 240) DC OUTPUT 24V 3.1(Peak 10)A

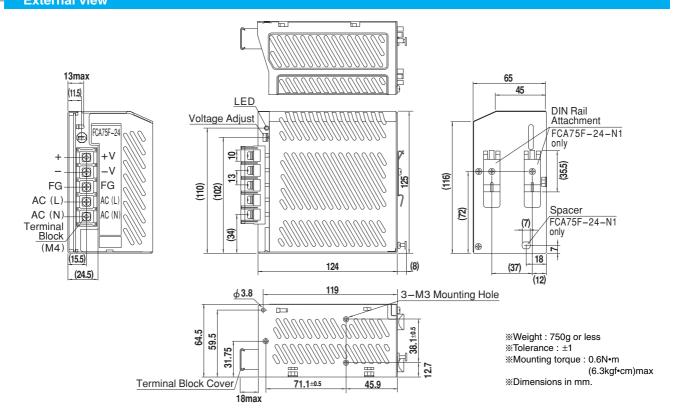
SPECIFICATIONS

	MODEL		FCA75F-24
INPUT	VOLTAGE[V]		AC187 - 528 1 φ or DC265 - 746
	CUDDENTIAL	ACIN 240V	0.80typ
	CURRENT[A]	ACIN 480V	0.45typ
	FREQUENCY[Hz]		50/60 (47 - 63)
	EFFICIENCY[%]	ACIN 240V	82typ
		ACIN 480V	78typ
	INRUSH CURRENT[A]	ACIN 240V	25typ (At cold start) (At Room Temperature)
		ACIN 480V	50typ (At cold start) (At Room Temperature)
	LEAKAGE CURRENT[mA]		0.75max (60Hz, According to IEC62368-1)
	VOLTAGE[V]		24
	CURRENT[A]	*1	3.1 (Peak 10)
	LINE REGULATION[mV]	96max
	LOAD REGULATION[mV]		150max
	LOAD REGULATION[IIIV]	0 - 10A	480max
	RIPPLE[mVp-p]	0 to +50°C *2	240max
OUTPUT	MIFFEE[IIIVP-P]	-10 - 0℃ *2	320max
OUIFUI	RIPPLE NOISE[mVp-p]	0 to +50°C *2	680max
	TIII T EE NOISE[III VP-P]	-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]		10typ (ACIN 240V, Io=100%)
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		
PROTECTION			Works over 105% of peak current and recovers automatically
	OVERVOLTAGE PROTECTION		Works at 115 - 140% of rating
OTHERS	OPERATING INDICATION		LED (Green)
	INPUT-OUTPUT		AC3,000V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (At Room Temperature)
ISOLATION	INPUT-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (At Room Temperature)
	OUTPUT-FG		AC500V 1minute, Cutoff current = 100mA, DC500V 50M Ω min (At Room Temperature)
	OPERATING TEMP.,HUMID.AND ALTITUDE		-10 to +70°C, 20 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max
ENVIRONMENT	STORAGE TEMP.,HUMID.AND	ALTITUDE	-20 to +75℃, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max
	VIBRATION	*3	10 - 55Hz, 19.6m/s² (2G), 3minutes period, 60minutes each along X, Y and Z axis
	1		196.1m/s ² (20G), 11ms, once each X, Y and Z axis
	AGENCY APPROVALS		UL60950-1, C-UL, EN62368-1
REGULATIONS	CONDUCTED NOISE		Complies with FCC-A, CISPR11-A, EN55011-A
OTHERS +	CASE SIZE/WEIGHT	*4	65×125×124mm (W×H×D) / 750g max
	COOLING METHOD		Convection
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- *1 Peak current for 150ms in a 30seconds period is acceptable.
 *2 In case of rated input/output(ACIN240-480v/3.1A), 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).

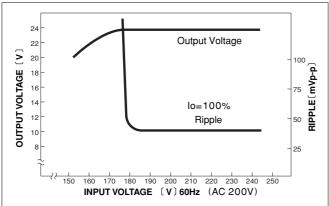
- 4 Depth of power supply is 132mm with DIN rail attachment.
 5 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C, with the input voltage held constant at the rated input/output.
 6 Please contact us about safety approvals for the model with option.

External view

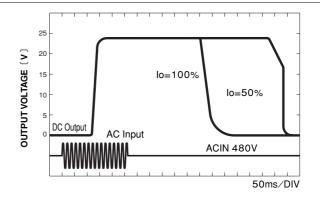


Performance data

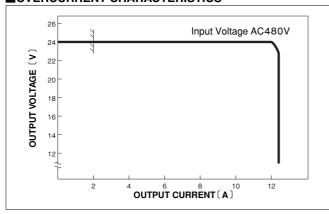
INSTATIC CHARACTERISTICS



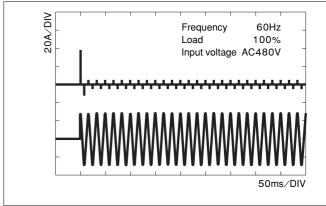
■RISE TIME & FALL TIME



■OVERCURRENT CHARACTERISTICS



■INRUSH CURRENT



CNUS & CE **RoHS**



- ①Series name ②Output wattage 3 Universal input Output voltage
- ⑤Optional *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

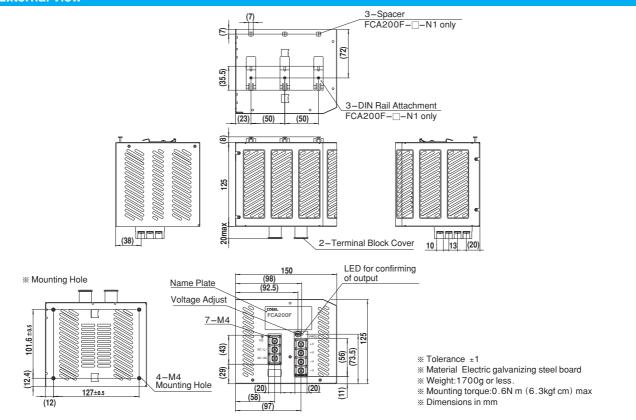
SPECIFICATIONS

	MODEL		FCA200F-24
	VOLTAGE[V]		AC187 - 528 1 φ or DC265 - 530
	OUDDENTIAL	ACIN 240V	1.10typ
	CURRENT[A]	ACIN 480V	0.55typ
	FREQUENCY[Hz]		50/60 (47 - 63)
	EEEIOIENOVIO/1	ACIN 240V	81typ
INPUT	EFFICIENCY[%]	ACIN 480V	81typ
	POWER FACTOR	ACIN 240V	0.98typ
		ACIN 480V	0.93typ
	INDUCU OUDDENTIAL	ACIN 240V	25typ (At cold start) (At Room Temperature)
	INRUSH CURRENT[A]	ACIN 480V	50typ (At cold start) (At Room Temperature)
	LEAKAGE CURREN	T[mA]	1.5max (60Hz, According to IEC62368-1)
	VOLTAGE[V]		24
	CURRENT[A] *1		8.4 (Peak 42)
	LINE REGULATION[mV]	96max
	LOAD REGULATION[mV]	0 - 8.4A	150max
	DIDDI Elm\/n n1	0 to +50°C *2	240max
	RIPPLE[mVp-p]	-10 - 0℃ *2	320max
OUTPUT	RIPPLE NOISE[mVp-p]	0 to +50°C *2	680max
	HIPPLE NOISE[IIIVP-P]	-10 - 0℃ *2	720max
	TEMPERATURE REGULATION[mV]	-10 to +50°C	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	OVERCURRENT PROT	TECTION	Works over 105% of peak current and recovers automatically
CIRCUIT AND	OVERVOLTAGE PROTECTION		Works at 115 - 140% of rating
OTHERS	OPERATING INDICATION		LED (Green)
	INPUT-OUTPUT		AC3,000V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (At Room Temperature)
ISOLATION	INPUT-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (At Room Temperature)
	OUTPUT-FG		AC500V 1minute, Cutoff current = 100mA, DC500V 50M Ω min (At Room Temperature)
	OPERATING TEMP.,HUMID.AND ALTITUDE		-10 to +60℃, 20 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max
ENVIRONMENT	STORAGE TEMP., HUMID. AND ALTITUDE		-20 to +75℃, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max
LIVIIIONMENT	VIBRATION *3		10 - 55Hz, 19.6m/s² (2G), 3minutes period, 60minutes each along X, Y and Z axis
	IMPACT *3		(===), ······=, ····= ====
NOISE	AGENCY APPROVALS		UL60950-1, C-UL, EN62368-1
REGULATIONS	CONDUCTED NOISE		Complies with FCC-A, CISPR11-A, EN55011-A
OTHERS +	CASE SIZE/WEIGHT		150 x 125 x 125mm (W x H x D) / 1,700g max
	COOLING METHOD		Convection
did Dod o			

- *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).

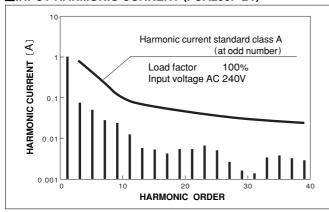
- 4 Depth of power supply is 133mm with DIN rail attachment.
 5 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C, with the input voltage held constant at the rated input/output.
 6 Please contact us about safety approvals for the model with option.

External view

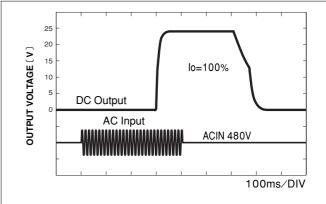


Performance data

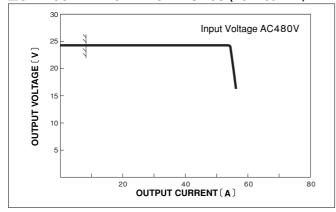
■INPUT HARMONIC CURRENT (FCA200F-24)



■RISE TIME & FALL TIME (FCA200F-24)



■OVERCURRENT CHARACTERISTICS (FCA200F-24)



■INRUSH CURRENT (FCA200F-24)

