

- ① Series name
② Single output
③ Output wattage
④ Full range input
⑤ Output voltage
⑥ Optional *1
C: with Coating
N1: with DIN rail
L: with operation LED

For option details, refer to Instruction Manual 5.1.



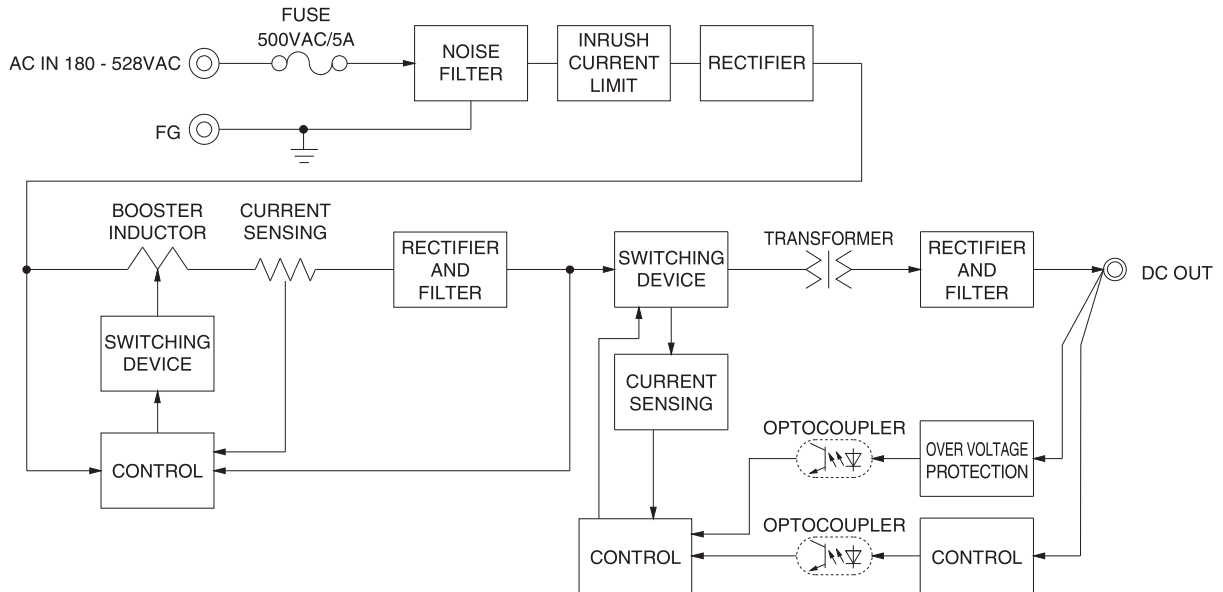
MODEL	FDA200F-24
MAX OUTPUT WATTAGE[W]	*2 201.6
DC OUTPUT	*2 24V 8.4A

SPECIFICATIONS

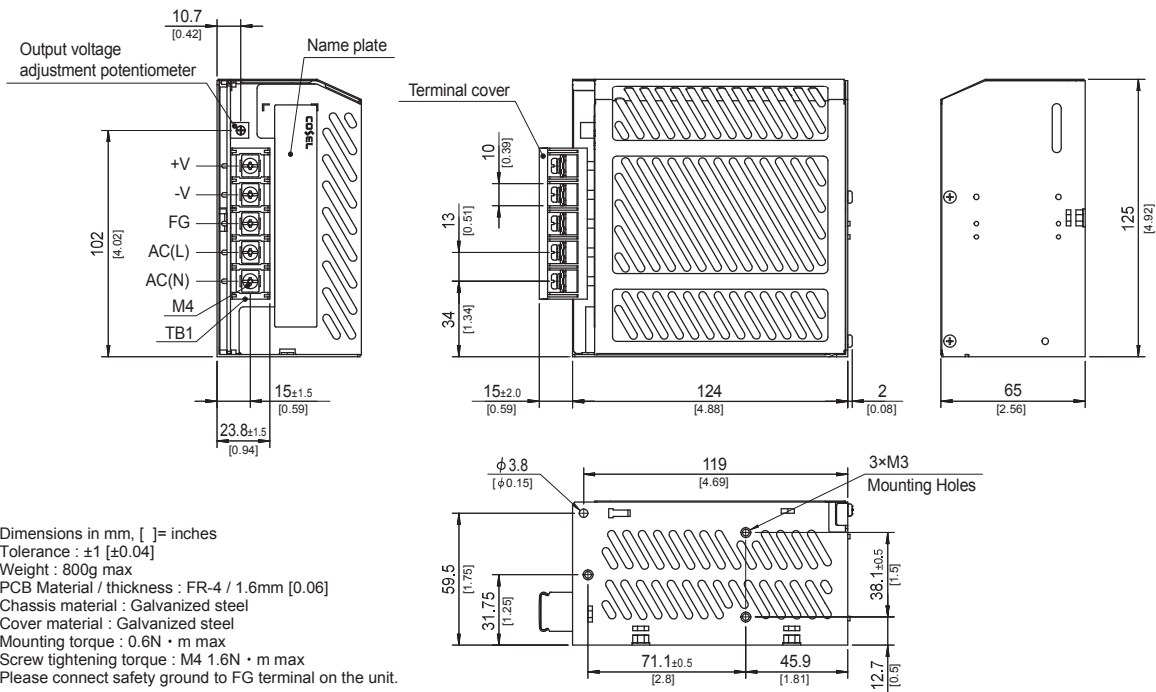
	MODEL	FDA200F-24
INPUT	VOLTAGE	[VAC] *2 180 - 528 1 φ (Refer to "Derating" and Instruction Manual 1.1) [VDC] *3 255 - 530
	CURRENT[A]	ACIN 200V 1.20typ ACIN 400V 0.60typ
	FREQUENCY[Hz]	50 / 60 (47 - 63)
	EFFICIENCY[%]	ACIN 200V 87typ ACIN 400V 88typ
	POWER FACTOR (Io=100%)	ACIN 200V 0.98typ ACIN 400V 0.93typ
	INRUSH CURRENT[A]	ACIN 200V 25typ (Io=100%) at cold start ACIN 400V 50typ (Io=100%) at cold start
	LEAKAGE CURRENT[ma]	0.75max (ACIN 480V 60Hz, Io=100%, According to IEC62368-1)
	VOLTAGE[V]	24
	CURRENT[A]	8.4
OUTPUT	LINE REGULATION[mV]	*4 96max
	LOAD REGULATION[mV]	*4 150max
	RIPPLE[mVp-p]	0 to +40°C 240max *5 -20 to 0°C 320max
	RIPPLE NOISE[mVp-p]	0 to +40°C 680max *5 -20 to 0°C 720max
	TEMPERATURE REGULATION[mV]	-20 to +40°C 600max
	DRIFT[mV]	*6 100max
	START-UP TIME[ms]	800max
	HOLD-UP TIME[ms]	20typ (ACIN 200V, Io=100%)
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	21.60 to 26.40
	OUTPUT VOLTAGE SETTING[V]	24.00 to 24.96
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically
	OVERVOLTAGE PROTECTION	27.60 to 33.60
	REMOTE SENSING	Not provided
ISOLATION	INPUT-OUTPUT	4,243VAC 1minute, Cutoff current = 10mA, 500VDC 50MΩ min (At Room Temperature)
	INPUT-FG	2,829VAC 1minute, Cutoff current = 10mA, 500VDC 50MΩ min (At Room Temperature)
	OUTPUT-FG	500VAC 1minute, Cutoff current = 25mA, 500VDC 50MΩ min (At Room Temperature)
ENVIRONMENT	OPERATING TEMP., HUMID. AND ALTITUDE	*2 -20 to +70°C, 20 - 90%RH (Non condensing) 5,000m (16,500feet) max
	STORAGE TEMP., HUMID. AND ALTITUDE	-20 to +75°C, 20 - 90%RH (Non condensing) 5,000m (16,500feet) max
	VIBRATION	10 - 55Hz, 19.6m/s ² (2G), 3minutes period, 60minutes each along X, Y and Z axis
	IMPACT	196.1m/s ² (20G), 11ms, once each X, Y and Z axis
SAFETY AND NOISE REGULATIONS	AGENCY APPROVALS	UL62368-1, C-UL (equivalent to CAN/CSA-C22.2No.62368-1), EN62368-1
	CONDUCTED NOISE	Complies with CISPR11-A, CISPR32-A, EN55011-A, EN55032-A, FCC Part15-A, FCC Part18-A, VCCI-A
	HARMONIC ATTENUATOR	*7 Complies with IEC61000-3-2 (Class A)
OTHERS	CASE SIZE/WEIGHT	65 X 125 X 124mm [2.56 X 4.92 X 4.88 inches] (without terminal block) (W X H X D) / 800g max
	COOLING METHOD	*2 Convection (Refer to "Derating")

- *1 The listed options may affect the published standard specifications. Please contact us for detailed product specifications.
*2 Derating is required.
*3 Safety agency approvals are not applicable for DC input.
*4 At low load conditions, the burst mode operation will start. To check load regulation, you will need to measure the characteristics at average mode with instruments.
*5 This is the value that measured on measuring board with capacitor of 22 μF and 0.1 μF at 150mm from output terminal. Measured by 20MHz oscilloscope or Ripple-Noise meter (Equivalent to KEISOKU-GIKEN:RM104). Ripple and ripple noise spec is change at Io=0 to 15% by burst operation.
*6 Drift is the change in DC output for an eight hours period after a half-hour warm-up at 25°C.
*7 Please contact us about another class. When two or more units are operating it may not comply with the IEC61000-3-2. Please contact us for details.
* Do not use the power supply in overcurrent conditions or in unspecified input voltage ranges. Otherwise the internal components may be damaged.
* Parallel operation is not possible.
* Sound noise may be generated by power supply in case of pulse load.

Block diagram



External view



Specifications are subject to change without notice, E&OE. ALL PSU Terms & Conditions apply.

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