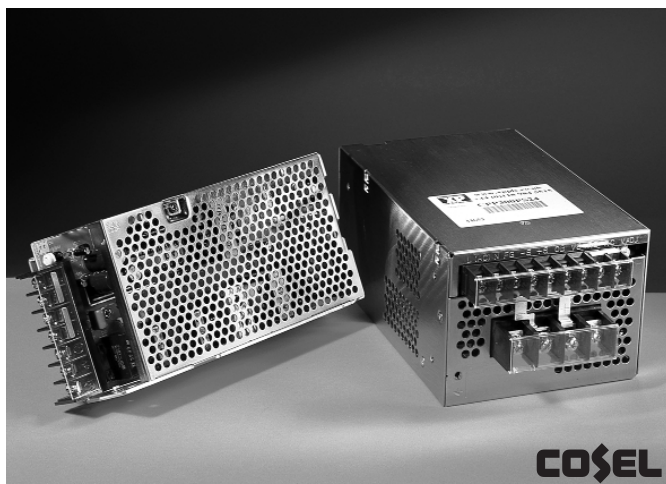


Single Output Enclosed Switchers

15-600 Watts CPP Series



THE **XP**ERTS IN POWER

85-264 VAC Universal Input

Single Outputs

High Reliability

Power Factor Corrected

Remote Control Available

Parallel Operation Available

Din Rail Mounting Accessories Available

Specification

Input

Input Voltage	• 85-264 VAC
Power Factor	• 0.95 typical (230 V) up to 0.99 at 100 V (CPP50 & above only) at full load
Input Frequency	• 47-63 Hz
Inrush Current	• 40 A max

Output

Hold Up Time	• 20 ms typical at low line & full load (100 ms typical at 230 V)
Output Voltage	• See Table
Remote Control	• Standard on 300 & 600 watt models Optional on all others add suffix '-R'
Voltage Adjustment	• $\pm 10\%$ trim min (-5% to +20% 3 V models)
Line Regulation	• 0.4% max over input range
Load Regulation	• 0.8% max for 100% load change
Ripple & Noise	• 40 mV pk-pk typical (150 mV max)
Overload Protection	• Operates at >105% of rating & recovers automatically (300 & 600 W constant current)
Overvoltage Protection	• 115-140% (except 3 V units : 4.00-5.25 V)
Temperature Coefficient	• 0.02%/°C

General

LED Indicator	• Indicates output on
Parallel Operation	• Master/Slave operation available - 300 & 600 watt models - Contact Sales for details
Efficiency	• Ranges 65% (3 V) to 80% (24 V) output
Leakage Current	• 0.75 mA max at 60 Hz
Mounting Options	• See DIN, Wall & Panel Mounting Accessories

Environmental

Operating Temperature	• -10 °C to +65 °C, derate above 50 °C - Contact Office
Storage Temperature	• -20 °C to +75 °C
Relative Humidity	• 20-90% RH
Vibration	• 20 G, 11 ms once each X, Y & Z axis

EMC & Safety

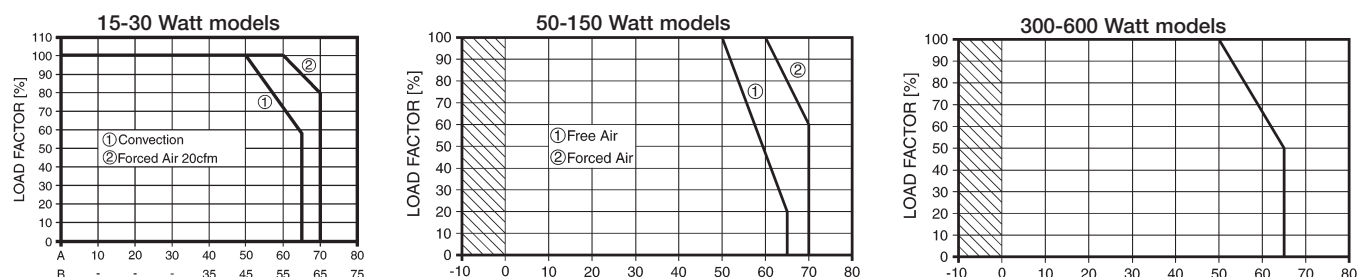
Safety Approvals	• EN60950, UL1950, CSA22.2 No. 234, VDE 0160
Immunity	• IEC 1000-3-2
EMC	• CISPR22 Level B, FCC Level B

OUTPUT VOLTAGE & CURRENT RATINGS**CPP**

Voltage Power	3 Volts	5 Volts	12 Volts	15 Volts	24 Volts	48 Volts
15 Watts	-	CPP15US05 5 V @ 3.00 A	CPP15US12 12 V @ 1.30 A	CPP15US15 15 V @ 1.00 A	CPP15US24 24 V @ 0.70 A	CPP15US48 48 V @ 0.35 A
30 Watts	-	CPP30US05 5 V @ 6.00 A	CPP30US12 12 V @ 2.50 A	CPP30US15 15 V @ 2.00 A	CPP30US24 24 V @ 1.30 A	CPP30US48 48 V @ 0.63 A
50 Watts	CPP50PS03 3 V @ 10.00 A	CPP50PS05 5 V @ 10.00 A	CPP50PS12 12 V @ 4.30 A	CPP50PS15 15 V @ 3.50 A	CPP50PS24 24 V @ 2.20 A	CPP50PS48 48 V @ 1.10 A
75 Watts	CPP75PS03 3 V @ 15.00 A	CPP75PS05 5 V @ 15.00 A	CPP75PS12 12 V @ 6.30 A	CPP75PS15 15 V @ 5.00 A	CPP75PS24 24 V @ 3.20 A	CPP75PS48 48 V @ 1.60 A
100 Watts	CPP100PS03 3 V @ 20.00 A	CPP100PS05 5 V @ 20.00 A	CPP100PS12 12 V @ 8.50 A	CPP100PS15 15 V @ 7.00 A	CPP100PS24 24 V @ 4.50 A	CPP100PS48 48 V @ 2.10 A
150 Watts	CPP150PS03 3 V @ 30.00 A	CPP150PS05 5 V @ 30.00 A	CPP150PS12 12 V @ 13.00 A	CPP150PS15 15 V @ 10.00 A	CPP150PS24 24 V @ 6.50 A	CPP150PS48 48 V @ 3.30 A
300 Watts	CPP300PS03 3 V @ 60.00 A	CPP300PS05 5 V @ 60.00 A	CPP300PS12 12 V @ 27.00 A	CPP300PS15 15 V @ 22.00 A	CPP300PS24 24 V @ 14.00 A	CPP300PS48 48 V @ 7.00 A
600 Watts	CPP600PS03 3 V @ 120.00 A	CPP600PS05 5 V @ 120.00 A	CPP600PS12 12 V @ 53.00 A	CPP600PS15 15 V @ 43.00 A	CPP600PS24 24 V @ 27.00 A	CPP600PS48 48 V @ 13.00 A

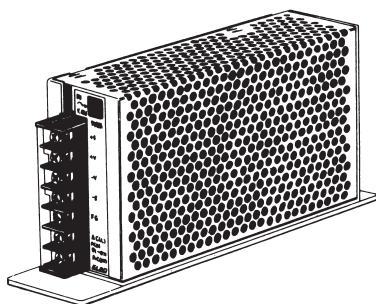
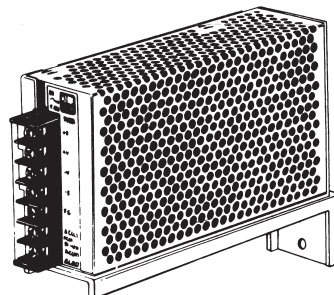
Notes

- 300 & 600 watt models have cover and integral cooling fan as standard.
- 50-150 watt models can have remote control, add suffix '-R' to the model number.
- DIN rail mounting brackets and mounting plates available.

Derating Curves

Ambient Temperature(°C) A : Open Frame B : Cover Attached. Derating test has not been conducted by CSA

NOTE: Curves are shown for units mounted in the normal mounting orientation with the connector strip vertical. Check with technical sales for derating when mounted in other planes

Mounting Plates & Brackets**Base Plate Fixing for CPP50-150****Wall Fixing for CPP50-150**

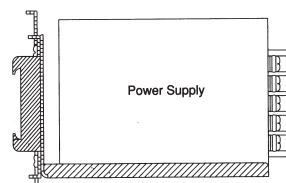
Model	Part No.
CPP50	F-K50-1
CPP100	F-P100-1
CPP150	F-P150-1

Model	Part No.
CPP50	F-K50-2
CPP100	F-P100-2
CPP150	F-P150-2

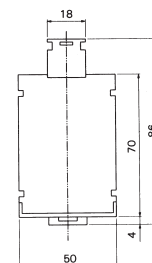
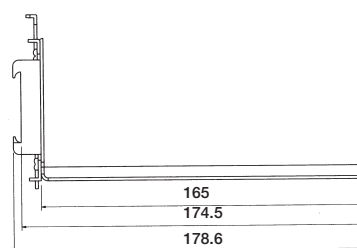
DIN Rail Mounting

Suitable for 35 mm top hat style DIN rails.
DIN Rail Mounting Clips are also available.

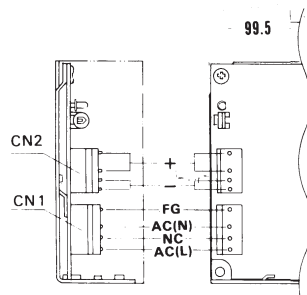
Note: For OEM quantities a low cost clip on version is available - call sales office



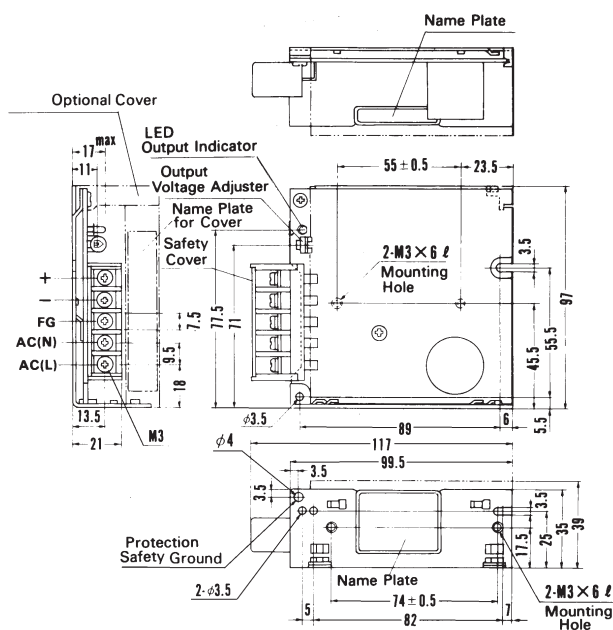
Model	Part No.
CPP15	F-DIN-1
CPP30	F-DIN-2
CPP50	F-DIN-2



Mechanical Details - 15 Watt Models



“-J” Option Molex Connectors



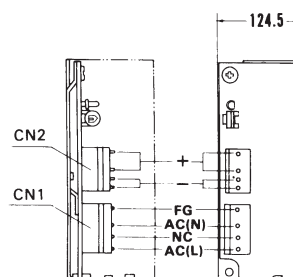
DIN Rail bracket option available, order part no. F-DIN-1.

- * Weight: 0.3 kg.
- * Cover is optional.
- * Tolerance: ± 1 .
- * Dimensions in mm.

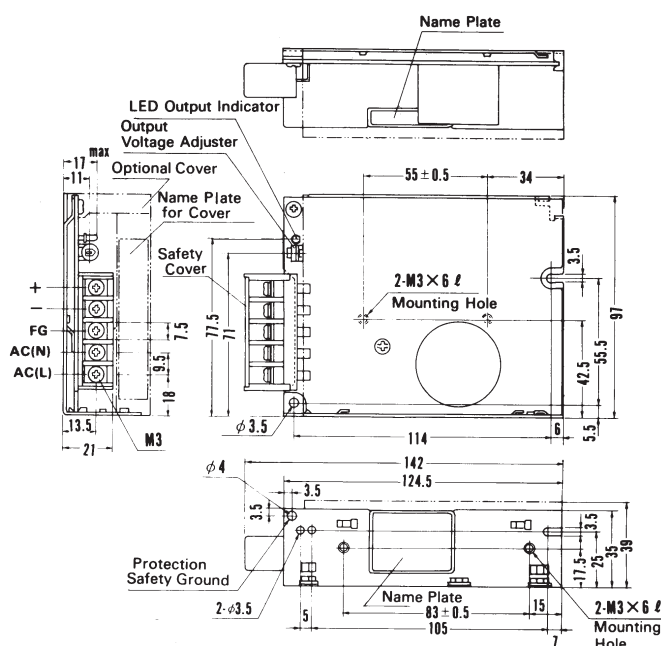
Molex Connector

I/O Connector		Mating Connector (Terminal)
CN1	5289-4A	2390V4(5167) 5199-04(5194)
CN2	5277-4A	5265-04(5167) 5196-04(5194)

Mechanical Details - 30 Watt Models



“-J” Option Molex Connectors



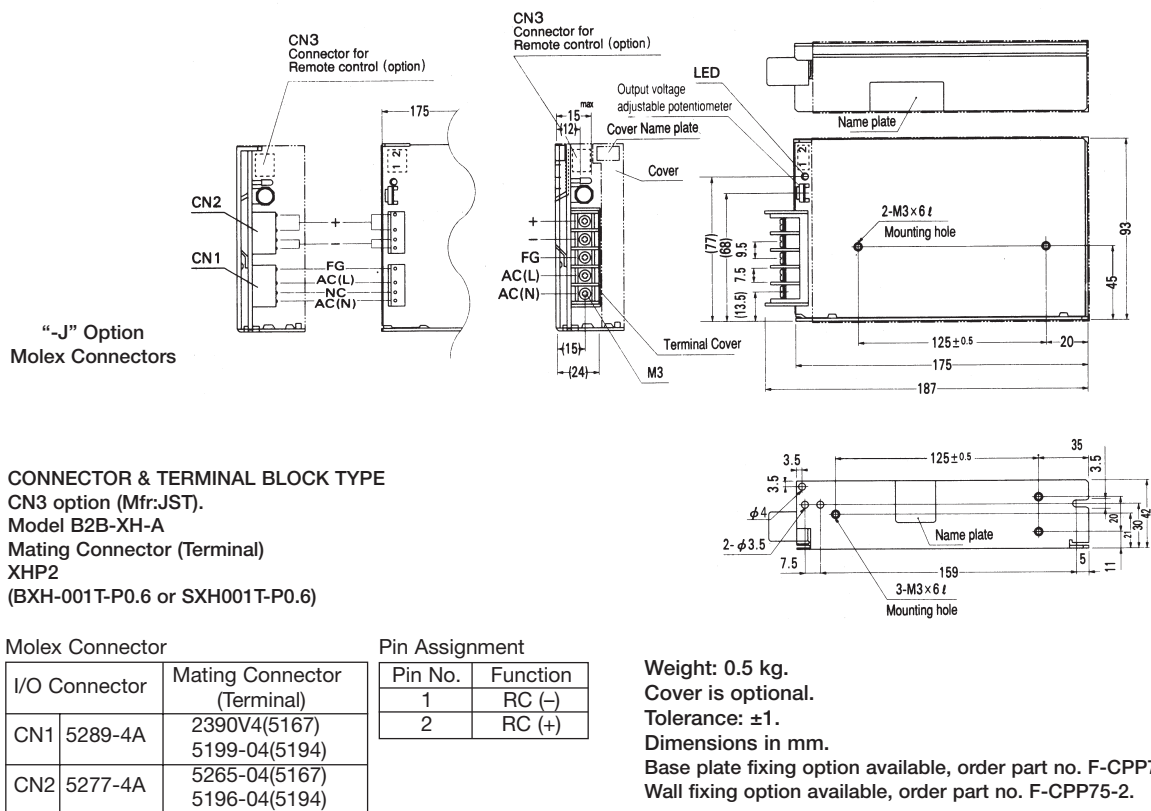
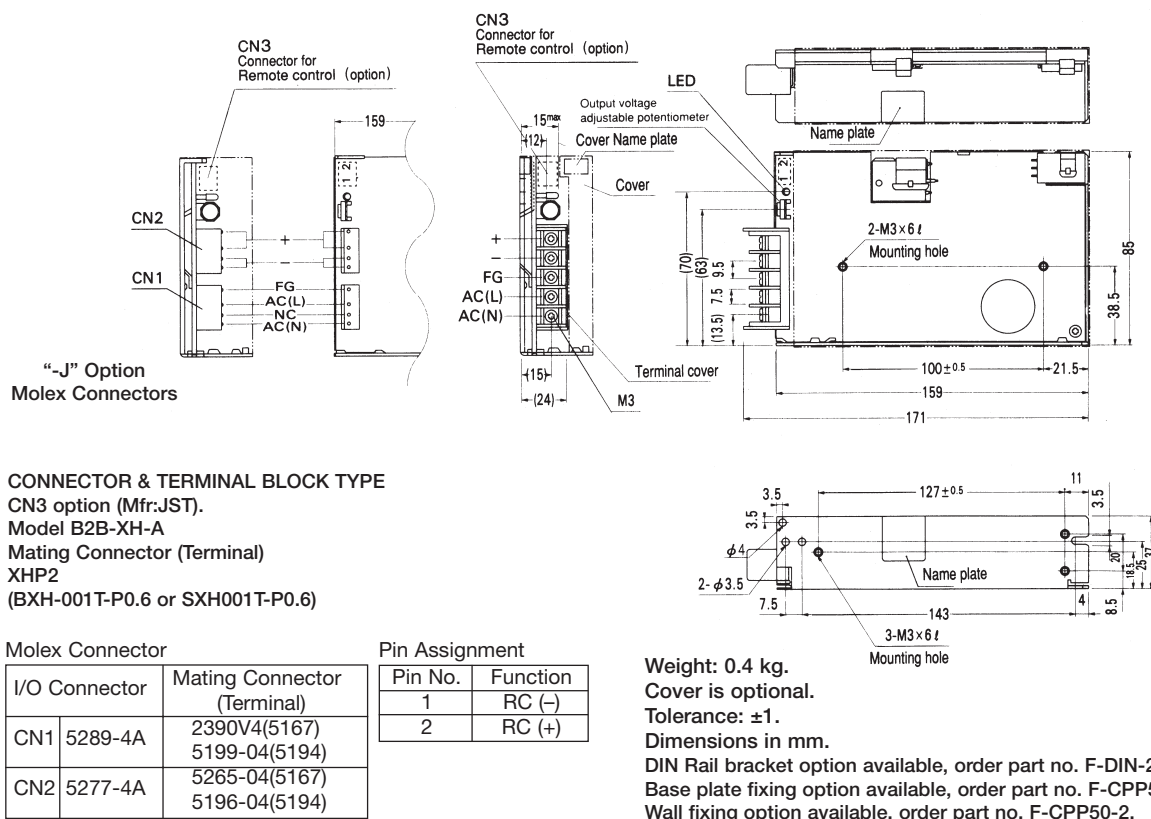
DIN Rail bracket option available, order part no. F-DIN-2.

- * Weight: 0.4 kg.
- * Cover is optional.
- * Tolerance: ± 1 .
- * Dimensions in mm.

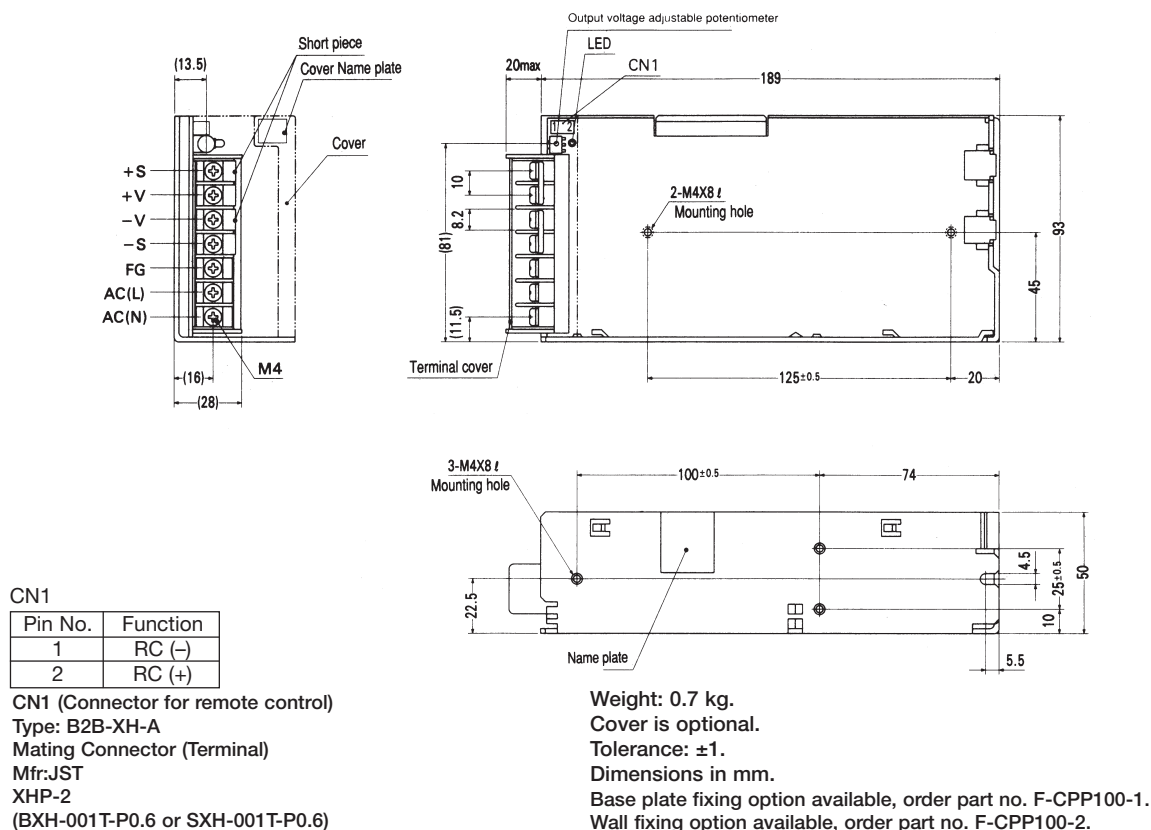
Molex Connector

I/O Connector		Mating Connector (Terminal)
CN1	5289-4A	2390V4(5167) 5199-04(5194)
CN2	5277-4A	5265-04(5167) 5196-04(5194)

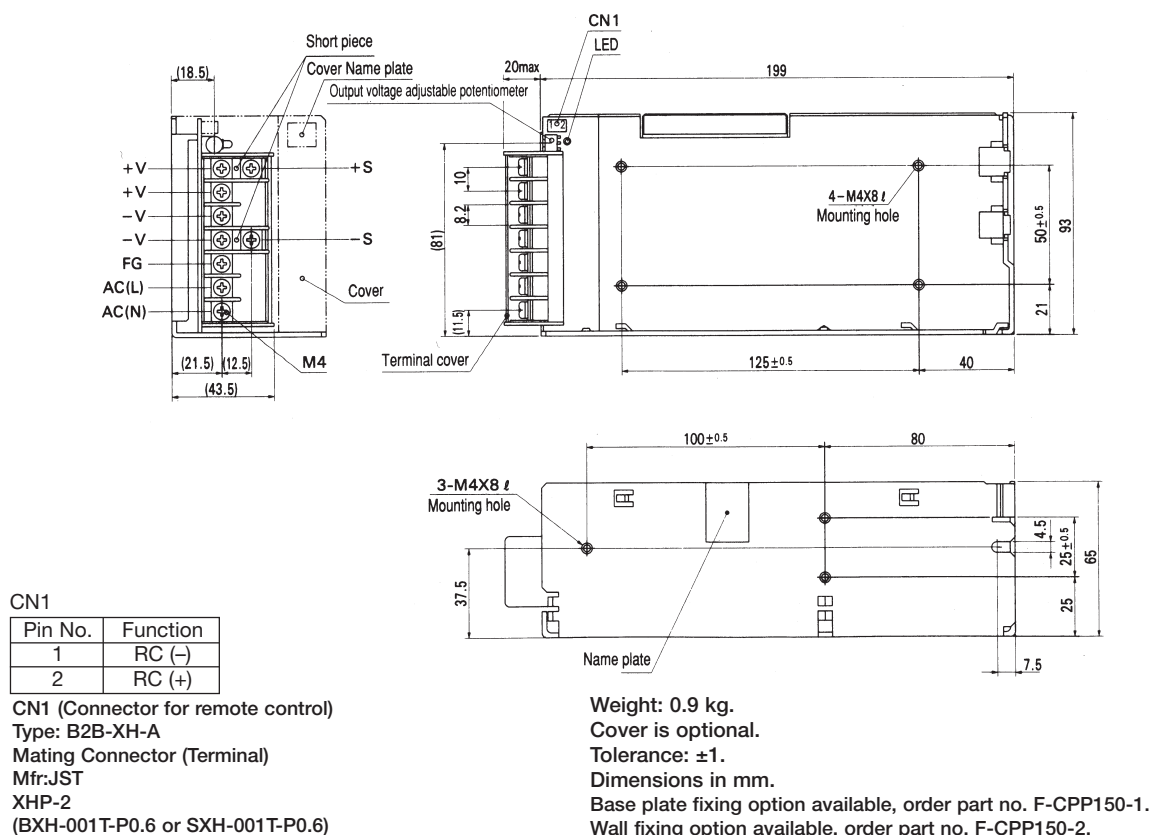
Mechanical Details - 75 Watt Models



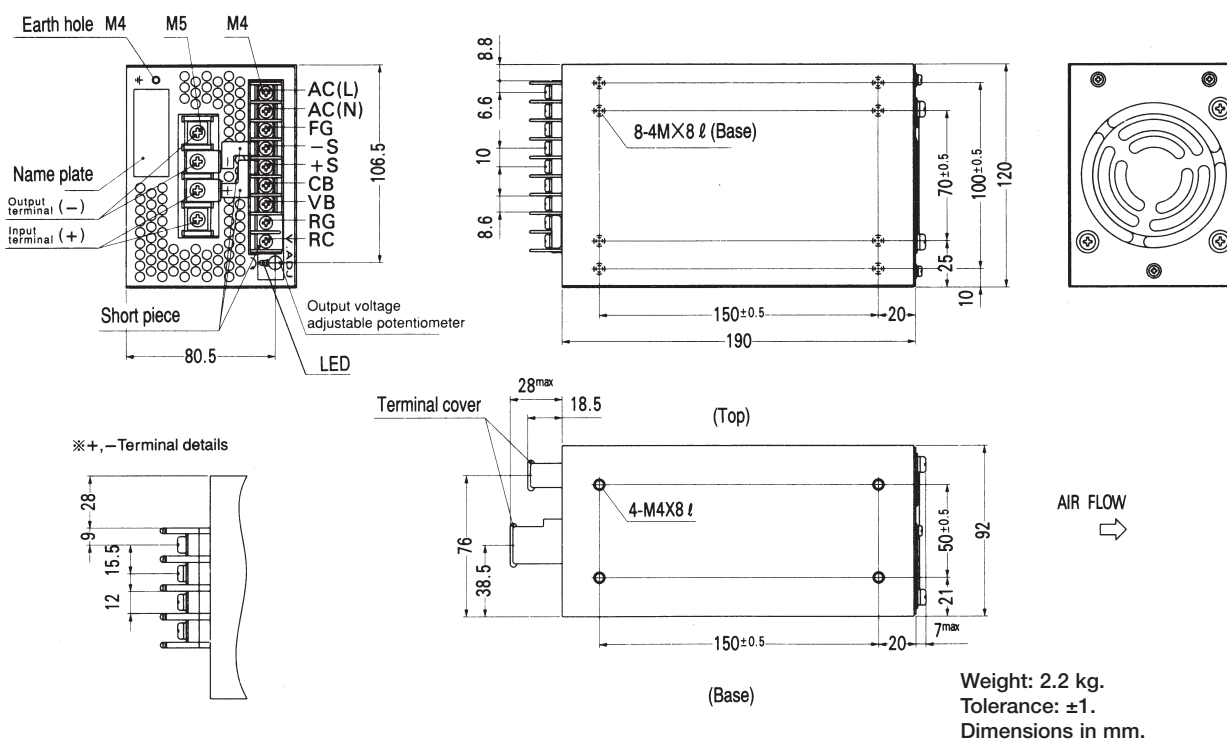
Mechanical Details - 100 Watt Models



Mechanical Details - 150 Watt Models



Mechanical Details - 300 Watt Models



Mechanical Details - 600 Watt Models

