

AC/DC Switching Open Frame

ELECTRICAL SPECIFICATIONS

- Input range : 90 ~ 132/180~264VAC (Selectable)
- Input Frequency : 47 - 440Hz
- Inrush Current (25°C) 20A @ 110VAC; 40A @ 220VAC MAX

OUTPUT

- Short Protection: Autorecovery
- Overload Protection: Automatic Power Limited
- Over Voltage Protection: Autorecovery
- Hold-up time : 16ms

ENVIRONMENTAL

- Operating Temperature -15 ~ 50°C, Ambient
- Operating Humidity 5 ~ 95% RH, No Condensing
- Storage Temperature -20 ~ 85°C, Ambient
- Vibration 2G, 10~500Hz, 3 axes



DIMENSIONS : 165(L) x 63(W) x 40(H)mm

SAFETY STANDARD

-  UL 60950 Meet
- CSA 60950 Meet
-  CE 60950 Marking

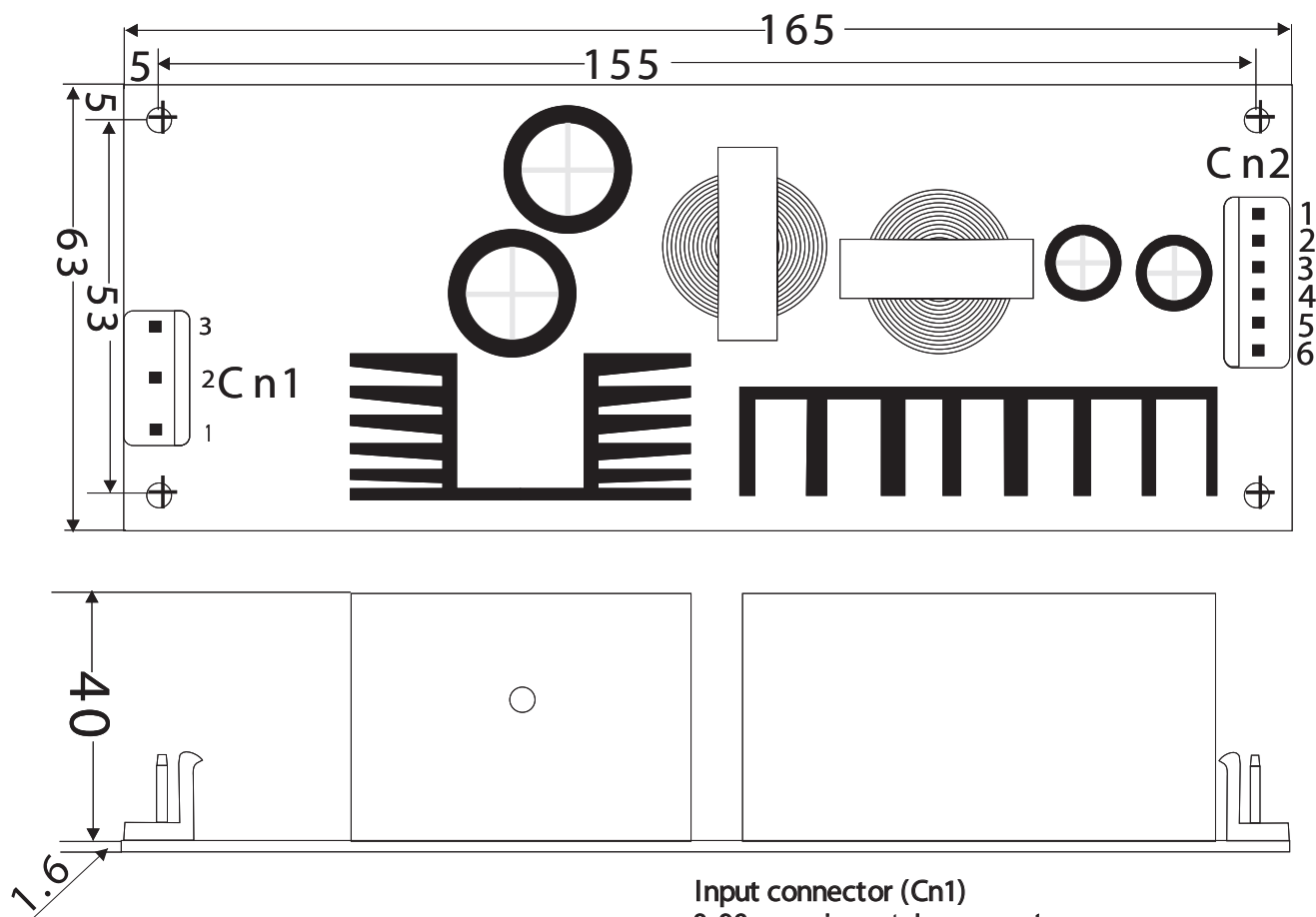
EMC STANDARDS

EN 55022 CLASS B
EN 61000-3-2 CLASS A
EN 61000-3-3
EN 50081-1
EN 50082-1

DC OUTPUT & FEATURES

MODEL	O/P Volt Adj. $\pm$ %	Load(Current) ₁			Ripple & Noise ₄	Line REG. ₂	Load REG. ₃	Efficiency ₅	O.V. P
		Min.	Rated	Max.					
F1100-05NM	V1: +5V $\pm$ 10%	0A	20A	20A	50mVp-p	$\pm$ 1%	$\pm$ 1%	72% Min.	6 ~ 7.5V
F1100-12NM	V1: +12V $\pm$ 10%	0A	8.3A	8.3A	100mVp-p	$\pm$ 1%	$\pm$ 1%	74% Min.	14 ~ 17V
F1100-15NM	V1: +15V $\pm$ 10%	0A	6.6A	6.6A	150mVp-p	$\pm$ 1%	$\pm$ 1%	77% Min.	17 ~ 22V
F1100-24NM	V1: +24V $\pm$ 10%	0A	4.16A	4.16A	150mVp-p	$\pm$ 1%	$\pm$ 1%	78% Min.	28 ~ 34V
F1100-48NM	V1: +48V $\pm$ 10%	0A	2A	2A	150mVp-p	$\pm$ 1%	$\pm$ 1%	77% Min.	55 ~ 67V
F110021NM	V1: +5V $\pm$ 10%	0A	10A	10A	50mVp-p	$\pm$ 1%	$\pm$ 1%	70% Min.	6 ~ 7.5V -----
	V2: +12V-----	0A	4A	4A	100mVp-p	$\pm$ 1%	$\pm$ 4%		
F110022NM	V1: +5V $\pm$ 10%	0A	5.8A	5.8A	50mVp-p	$\pm$ 1%	$\pm$ 1%	73% Min.	6 ~ 7.5V -----
	V2: +24V-----	0A	3A	3A	150mVp-p	$\pm$ 1%	$\pm$ 4%		
F110023NM	V1: +5V $\pm$ 10%	0A	10A	10A	50mVp-p	$\pm$ 1%	$\pm$ 1%	73% Min.	6 ~ 7.5V -----
	V2: +36V-----	0A	1.4A	1.4A	360mVp-p	$\pm$ 1%	$\pm$ 4%		
F110031NM	V1: +5V $\pm$ 10%	0A	7A	7A	50mVp-p	$\pm$ 1%	$\pm$ 1%	73% Min.	6 ~ 7.5V ----- -----
	V2: +12V-----	0A	3.5A	5A	120mVp-p	$\pm$ 1%	$\pm$ 4%		
	V3: +24V-----	0A	1A	1A	240mVp-p	$\pm$ 1%	$\pm$ 7%		
F110032NM	V1: +5V $\pm$ 10%	0A	8A	8A	50mVp-p	$\pm$ 1%	$\pm$ 1%	73% Min.	6 ~ 7.5V ----- -----
	V2: +15V-----	0A	1.5A	1.5A	150mVp-p	$\pm$ 1%	$\pm$ 4%		
	V3: +36V-----	0A	1A	1A	360mVp-p	$\pm$ 1%	$\pm$ 7%		

- NOTE:
- Each output can provide up to maximum load, but total load can not exceed rated output power.
 - Line regulation is measured from low line to high line at rated load.
 - Load regulation is measured from 20% to 100% of rated load at 110VAC input.
 - Ripple & Noise is measured by using a 0.1uF/630V metalized capacitor & a 47uF electrolytic capacitor parallel on the test point, at rated load and 110VAC input.
 - Efficiency is measured at rated load and 110VAC input.
 - Hold-up time is measured at rated load and 110VAC input.

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MECHANICAL SPECIFICATION


Input connector (Cn1)
3.96mm crimp style connector
3Pin 3.96mm.

Pin	Input	Description
1	N	Neutral Terminal of AC Input
2	L	Line Terminal of AC Input
3	G	Gnd

No Polarity At DC Input

DC Output Connector (Cn2)
3.96mm crimp style connector
Single output: 6Pin. 3.96mm.
Dual output: 6Pin. 3.96mm.

Pin	Single	Dual	Description
1	V1	V3	G: DCO utput Ground Terminal Vx: DCO utput Terminal
2	G	V2	
3	G	G	
4	G	G	
5	V1	V1	
6	V1	V1	

CASE NO: F1100
UNIT: mm
DIMENSIONS:
165(L) x 63(W) x 40(H)mm