



- Wide Range AC Input
- Low profile, Industry Standard Footprint
- Global Safety Agency Compliance

CSS65 Series

2 x 4" 40 to 65W AC-DC
Medical Power Supplies

Key Market Segments & Applications

- Medical
- Gaming
- Test & Measurement

CSS65 Features and Benefits

Features

- Industry standard footprint
- Wide Range AC Input
- Dual input fuses

Benefits

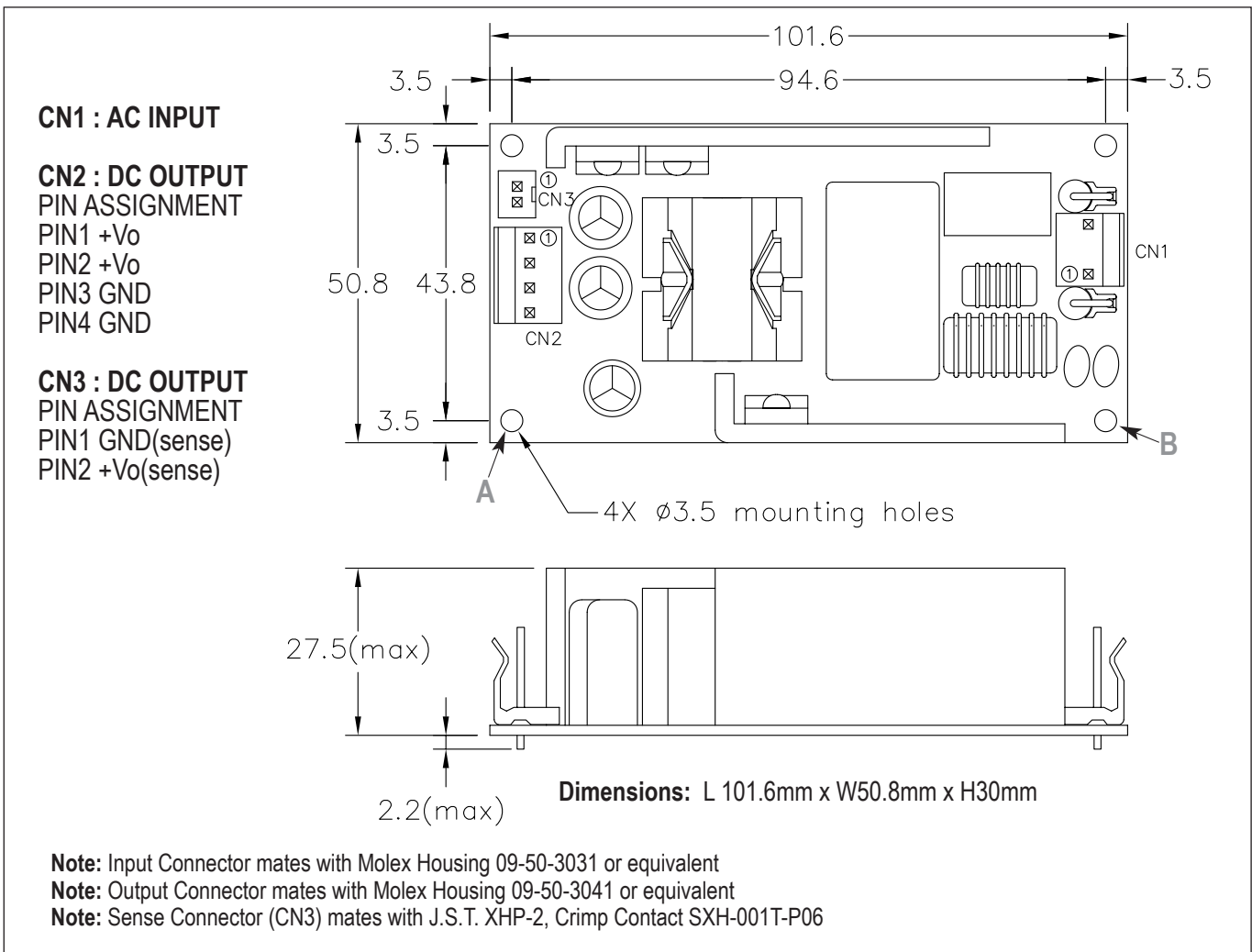
- Availability to second source
- Global Operation
- Easier system compliance

Specifications

ITEMS		CSS65
Input Voltage range	V	90 - 264VAC (47 - 63Hz) or 120 - 370VDC
Inrush Current	A	<40A maximum at 115VAC input, 25oC ambient cold start
Input Current (115/230VAC)	A	2 / 1
Leakage Current	μ A	<250uA 264VAC 63Hz
Hold Up Time (Typ)	ms	10ms at 115VAC input
Temperature Coefficient	$^{\circ}$ C	\pm 0.05%/ $^{\circ}$ C
Adjustment Range	-	None
Remote Sense	-	Yes
Minimum Load	A	None
Regulation	%	5V: \pm 5%, 12-24V: \pm 3%, 36-48V: \pm 2% (10 - 100% load change, 100-240VAC line change)
Ripple & Noise	%	1%
Short Circuit Protection	-	Continuous - hiccup mode
Overvoltage Protection	V	110 - 150% of nominal (Automatic Reset)
Efficiency	%	up to 87% (see Model Selector)
Operating Temperature	$^{\circ}$ C	0 to +70 $^{\circ}$ C derate linearly to 50% load from 50 to 70 $^{\circ}$ C
Storage Temperature	$^{\circ}$ C	-10 to +70 $^{\circ}$ C
Humidity (non condensing)	-	20 - 95% RH
Cooling	-	Convection
Withstand Voltage	-	Input to Ground 1.5kVAC, Input to Output 4kVAC, Output to Ground 500VDC for 1 min.
Isolation Resistance	-	>20M Ω at 25 $^{\circ}$ C & 70%RH, Output to Ground 500VDC
Vibration (non operating)	-	23.52m/s ² (10 - 55Hz: constant sweep 1 min X, Y, Z for 1 hour)
Shock	-	< 196.1 m/s ² (20G)
Safety Agency Approvals	-	UL60601-1, EN60601-1, IEC60601-1, UL60950, EN60950, CE
Conducted & Radiated EMI	-	EN55011-B, FCC Class B
Immunity	-	EN60601-1-2
Weight (Typ)	g	200g
Size (WxLxH)	mm	51 x 104 x 30 (including underside components)
Warranty	yrs	2

Model Selector				
Model	Output (V)	Maximum Output (A)	Maximum Power (A)	Efficiency % (typ)
CSS65-5	5	8.0	40	81
CSS65-12	12	5.0	60	86
CSS65-15	15	4.0	60	86
CSS65-19	19	3.43	65	86
CSS65-24	24	2.71	65	87
CSS65-36	36	1.81	65	87
CSS65-48	48	1.36	65	87

Outline Drawing CSS65 Series



Earthing points: The CSS65 is a Class I product. When installing the CSS65, fixing points **A** & **B** must be securely connected to a protective earth in the final system assembly.

Fusing: Internal fuses (F1 & F2): The product is dual fused in the L and N line, T3.15A, 250V. The product is not user serviceable. Fuses must not be replaced by the user.



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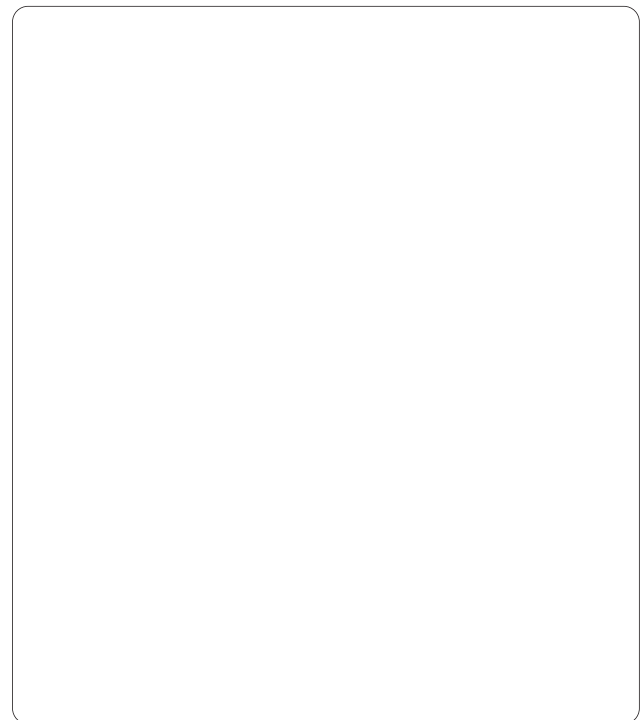
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