



## CSS65 Series

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

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

### 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

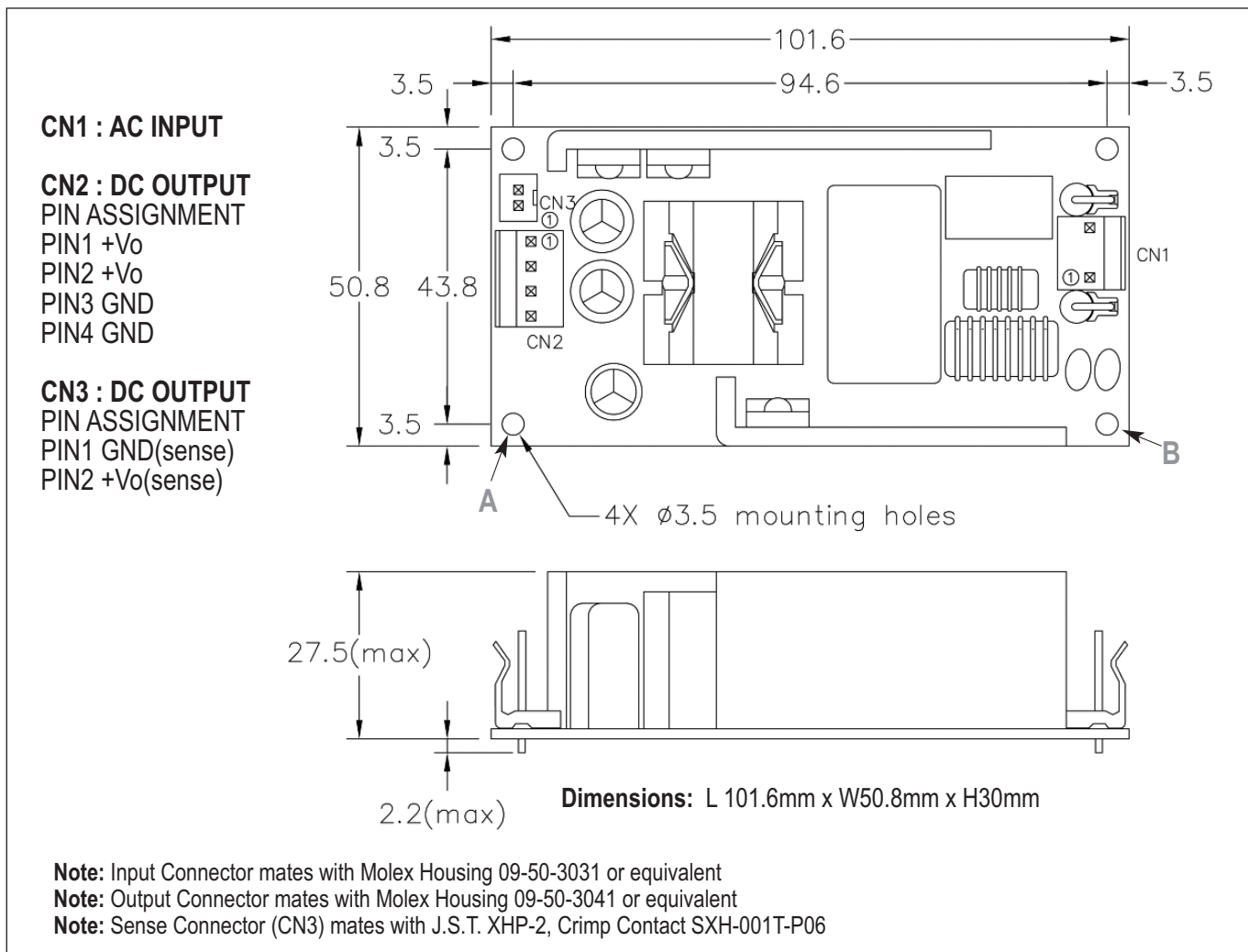
#### Specifications

|                            |     | CSS65                                                                              |
|----------------------------|-----|------------------------------------------------------------------------------------|
| ITEMS                      |     |                                                                                    |
| 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            | μA  | <250uA 264VAC 63Hz                                                                 |
| Hold Up Time (Typ)         | ms  | 10ms at 115VAC input                                                               |
| Temperature Coefficient    | °C  | ±0.05%/°C                                                                          |
| Adjustment Range           | -   | None                                                                               |
| Remote Sense               | -   | Yes                                                                                |
| Minimum Load               | A   | None                                                                               |
| Regulation                 | %   | 5V: ±5%, 12-24V: ±3%, 36-48V: ±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      | °C  | 0 to +70°C derate linearly to 50% load from 50 to 70°C                             |
| Storage Temperature        | °C  | -10 to +70°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       | -   | >20MΩ at 25°C & 70%RH, Output to Ground 500VDC                                     |
| Vibration (non operating)  | -   | 23.52m/s <sup>2</sup> (10 - 55Hz: constant sweep 1 min X, Y, Z for 1 hour)         |
| Shock                      | -   | < 196.1 m/s <sup>2</sup> (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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