

| Specifications                         |        |                                                                                                                                        |                         |        |
|----------------------------------------|--------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------|
| Model                                  |        | CUS30M                                                                                                                                 |                         | CUS60M |
| <b>Output</b>                          |        |                                                                                                                                        |                         |        |
| Line Regulation                        | mV     | See model selector                                                                                                                     |                         |        |
| Load Regulation                        | mV     | See model selector                                                                                                                     |                         |        |
| Ripple & Noise                         | mV     | See model selector                                                                                                                     |                         |        |
| Temperature Coefficient                | %/°C   | <0.02%/°C                                                                                                                              |                         |        |
| Minimum Load                           | -      | No minimum load required                                                                                                               |                         |        |
| Overcurrent Protection                 | -      | >105% of rated current. Class 2 Limited Power Source (4)                                                                               |                         |        |
| Overvoltage Protection (5)             | V      | > 115% of nominal output                                                                                                               | >120% of nominal output |        |
| Remote Sense                           |        | No                                                                                                                                     |                         |        |
| Indicators                             | -      | None                                                                                                                                   |                         |        |
| Parallel Operation                     | -      | Not possible                                                                                                                           |                         |        |
| Series Operation                       | -      | Possible, see installation manual                                                                                                      |                         |        |
| <b>Environmental</b>                   |        |                                                                                                                                        |                         |        |
| Operating Temperature (-30°C start-up) |        | -20 to +70°C. Derate linearly to 50% load from +50 to +70°C (6)                                                                        |                         |        |
| Storage Temperature                    | °C     | -40° to +85°C                                                                                                                          |                         |        |
| Humidity (non condensing)              | %RH    | 10 - 95%RH (Operating & Storage)                                                                                                       |                         |        |
| Cooling                                | -      | Convection                                                                                                                             |                         |        |
| Altitude                               | m      | 5,000m, derate operating ambient by 5°C/1000m above 3,000m                                                                             |                         |        |
| Withstand Voltage (For 1 minute)       | VAC    | Input to Ground 2kVAC (1xMOPP), Input to Output 4kVAC (2xMOPPs), Output to Ground 1.5kVAC (1xMOPP) suitable for B & BF rated equipment |                         |        |
| Isolation Resistance                   | MΩ     | >100MΩ at 25°C, 70%RH & 500VDC                                                                                                         |                         |        |
| Vibration (Non Operating)              | -      | 10 - 55Hz: 19.6m/s² constant sweep 1 min X, Y, Z for 1 hour                                                                            |                         |        |
| Shock                                  | -      | < 196.1 m/s², MIL-STD-810F                                                                                                             |                         |        |
| <b>Other</b>                           |        |                                                                                                                                        |                         |        |
| Size (WxLxH)                           | mm     | 50.8 x 76.2 x 24.2                                                                                                                     | 50.8 x 76.2 x 26.7      |        |
| Size (WxLxH)                           | Inches | 2 x 3 x 0.95                                                                                                                           | 2 x 3 x 1.05            |        |
| Connectors (JST)                       |        | Input (CN1): B2P3-VH(LF)(SN) (Mates with VHR-3N housing).                                                                              |                         |        |
| Option code /M for Molex               | -      | Output (CN-51): B4P-VH(LF)(SN) (Mates with VHR-4N)                                                                                     |                         |        |
| MTBF - Telcordia SR-332 issue 3 (7)    | Hours  | 8,008,742                                                                                                                              | 6,324,138               |        |
| Warranty                               | yrs    | 3 years                                                                                                                                |                         |        |

## Notes

See website for detailed specifications, test methods and installation manual

See installation manual for terminal pin and hand tool information

(1) Ripple level increases at light loading to meet new efficiency standards

(2) 115/230VAC. Average efficiency measured at 25, 50, 75 and 100% load

(3) CUS30M: Derate linearly to 80% load from 115VAC to 85VAC. CUS60M-12, 18 & 48: Derate linearly to 80% load from 100VAC to 85VAC. CUS60M-15 derate linearly to 60% load from 100Vac

(4) All models except CUS60M-5

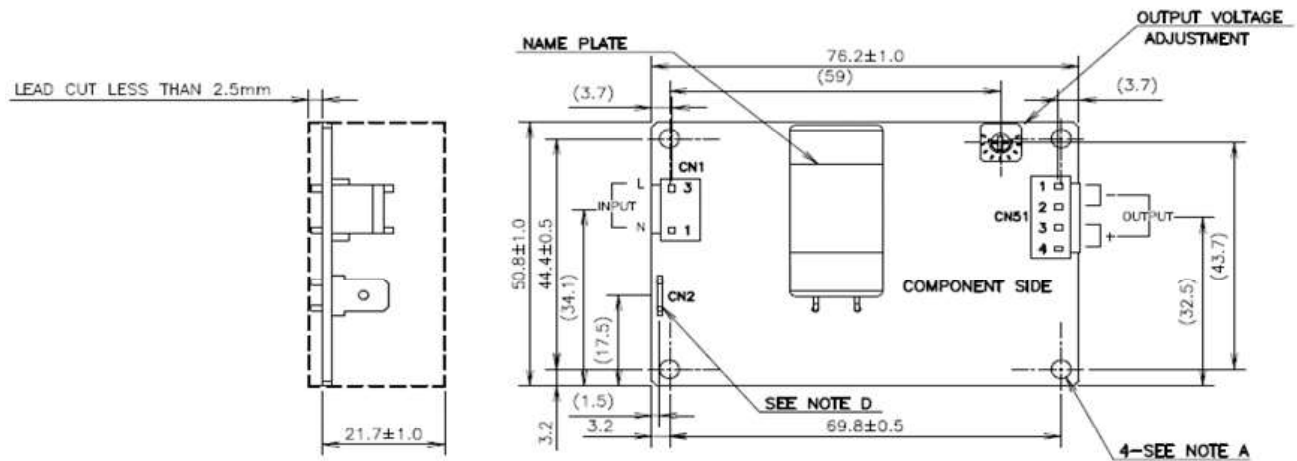
(5) Cycle AC input to reset

(6) CUS30M-48 and CUS60M-12: Derate linearly to 50% load from +45 to +70°C. CUS60M-15: 50% load from +40 to +70°C. Models with /A cover have additional derating, see website.

(7) 24V output model, 25°C ambient, full load, 230VAC input

## Mechanical Specification

### Outline Drawing CUS30M Series (Open Frame)



## Mechanical Specification

### Outline Drawing CUS60M Series (Open Frame)

