



Samlex America®

8A



### DC-DC Step Down Converter

Model IDC-200B-24  
8 Amps

#### Design Features

- Fully isolated
- Short circuit protected
- Current limited

2 YEAR LIMITED WARRANTY



|                            |  |   |
|----------------------------|--|---|
|                            | <b>MODEL NO.</b>   | <b>IDC-200B-24</b>  |
| <b>INPUT</b>               | <b>INPUT VOLTAGE RANGE</b>   | 20 -35 VDC  |
|                            | <b>OUTPUT VOLTAGE</b>  | 24.5 VDC  |
|                            | <b>OUTPUT CURRENT</b>  | 8A  |
|                            | <b>INPUT TO OUTPUT ISOLATION</b>                                   | Yes. > 400V RMS   |
|                            | <b>OUTPUT RIPPLE &amp; NOISE</b>                                   | < 50 mV RMS   |
|                            | <b>PEAK EFFICIENCY</b>   | 85%   |
|                            | <b>COOLING</b>   | By temperature controlled fan   |
|                            | <b>OPERATING TEMPERATURE</b>                                       | -20°C to +30°C, De-rate linearly to zero at 70°C  |
| <b>FUSE SPECIFICATIONS</b> | <b>HUMIDITY (Non-condensing)</b>                                   | Max 95%   |
|                            | <b>PROTECTIONS</b>   | Overload / short circuit on the output side, over voltage on the output side, over voltage / transients on the input side, reverse polarity on the input side, over heating |
| <b>WIRE SIZE</b>           | <b>EXTERNAL INPUT SIDE FUSE (Inline with "input +" terminal)</b>   | 32V, 15A  |
|                            | <b>EXTERNAL OUTPUT SIDE FUSE (Inline with "output +" terminal)</b> | 32V, 10A  |
| <b>SAFETY &amp; EMC</b>    | <b>INPUT WIRE (Up to 6 ft)</b>                                     | AWG #12   |
|                            | <b>OUTPUT WIRE (Up to 10 ft)</b>                                   | AWG #12   |
|                            | <b>EMISSION</b>  | EN50081-1 / EN61000-6-3   |
| <b>GENERAL</b>             | <b>IMMUNITY</b>  | EN50082-1 / EN61000-6-1   |
|                            | <b>AUTOMOTIVE</b>  | 95 / 54 / EC  |
|                            | <b>INPUT / OUTPUT CONNECTIONS</b>                                  | Quick connect male 6.3mm / ¼" flat blade  |
|                            | <b>DIMENSIONS, MM (L x W x H)</b>                                  | 176 x 88 x 50   |
|                            | <b>DIMENSIONS, INCHES (L x W x H)</b>                              | 6.9 x 3.5 x 1.9   |
|                            | <b>WEIGHT, KG</b>  | 0.6   |
|                            | <b>WEIGHT, LB</b>  | 1.4   |

NOTE: Specifications are subject to change without notice

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