

## IDC SERIES DC-DC CONVERTERS

### FEATURES

- Fully Isolated
- Short Circuit Protected
- Current Limited
- 2 Year warranty

### APPLICATIONS

- Earth moving equipment
- Heavy trucks
- Buses
- Marine
- Forklift
- Telecommunication



**100 Watts, fully isolated**

### TECHNICAL SPECIFICATIONS

| Model   | <b>IDC-100D-12</b>  |
|---|---|
| Input Voltage Range   | 60-120 VDC  |
| Output Voltage  | 12.5 VDC  |
| Output Current  | 8 A   |
| Input to Output Isolation                                   | Yes >400 V RMS  |
| Output Ripple & Noise                                       | <50mV RMS   |
| Peak Efficiency   | 85%   |
| Operation Temperature                                       | -20° to +30°C, De-rate linearly to zero at 70°C   |
| Humidity, non condensing                                    | Max 95%   |
| Protection  | Overload / short circuit on the output side<br>Over Voltage on the output side<br>Over Voltage / transients on the input side<br>Reverse polarity on the input side<br>Over heating |
| Fuses Specs   |   |
| External Input Side Fuse<br>(Inline with "Input+Terminal)   | 125 V, 3 A  |
| External Output Side Fuse<br>(Inline with "Output+Terminal) | 32 V, 10 A  |
| Approval  | CE and Automotive   |
| Input / Output Connections                                  | Quick Connect male 6.3 mm   |
| Dimensions (LxWxH)  | 151x88x50 mm  |
| Weight  | 0,5 Kgs   |

Technical Specifications subject to change without notification

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[www.samlex.com](http://www.samlex.com) or [www.samlex-solar.com](http://www.samlex-solar.com)