

## IDC SERIES DC-DC CONVERTERS

### FEATURES

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

### APPLICATIONS

- Earth moving equipment
- Heavy trucks
- Buses
- Marine
- Solar
- Telecommunication
- Industry



**100 Watts, fully isolated**

### TECHNICAL SPECIFICATIONS

Model	<b>IDC-100A-12</b>
Input Voltage Range	9-18 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 Over Voltage on the output side Over Voltage / transients on the input side Reverse polarity on the input side Over heating
Fuses Specs	
External Input Side Fuse (Inline with "Input+ Terminal)	32 V, 15 A
External Output Side Fuse (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

\*The output current indicated is the maximum current at 12VDC input voltage

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)