



samlexamerica®

# 15A



## Isolated DC-DC Converter

Model  
IDC-360C-24  
15 Amps

### Design Features

- Advanced switch mode design
- Current limited
- Compact and lightweight
- High efficiency
- Short circuit protected
- ¼" push-on flat pin connectors

## 2 YEAR WARRANTY

	<b>MODEL NO.</b>	<b>IDC-360C-24</b>
<b>INPUT</b>	<b>INPUT VOLTAGE RANGE</b>	30 - 60 VDC
	<b>OUTPUT VOLTAGE</b>	24.5 VDC
	<b>OUTPUT CURRENT</b>	15A (The output current indicated is the maximum current at the maximum input voltage)
	<b>INPUT TO OUTPUT ISOLATION</b>	Yes. > 400 V 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 -4°F to 86°F, De-rate linearly to zero at 158°F
	<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>FUSE SPECIFICATIONS</b>	<b>EXTERNAL INPUT SIDE FUSE (Inline with "input +" terminal)</b>	80V, 15A
	<b>EXTERNAL OUTPUT SIDE FUSE (Inline with "output +" terminal)</b>	32V, 15A
<b>WIRE SIZE</b>	<b>INPUT WIRE (Up to 6')</b>	AWG # 12
	<b>OUTPUT WIRE (Up to 10')</b>	AWG # 10
<b>SAFETY &amp; EMC</b>	<b>EMISSION</b>	EN50081-1 / EN61000-6-3
	<b>IMMUNITY</b>	EN50082-1 / EN61000-6-1
	<b>AUTOMOTIVE</b>	95 / 54 / EC
<b>GENERAL</b>	<b>INPUT / OUTPUT CONNECTIONS</b>	Quick connect male 6.3mm / ¼" flat blade
	<b>DIMENSIONS, MM (D x W x H)</b>	190 x 133 x 83
	<b>DIMENSIONS, INCHES (D x W x H)</b>	7.4 x 5.2 x 3.2
	<b>WEIGHT, KG</b>	1.4
	<b>WEIGHT, LB</b>	3.1

NOTE: Specifications are subject to change without notice

12004-IDC-360C-24-0214