



samlexamerica®

30A



Isolated DC-DC Converter

Model
IDC-360C-12
30 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

MODEL NO.		IDC-360C-12
INPUT	INPUT VOLTAGE RANGE	30 - 60 VDC
	OUTPUT VOLTAGE	12.5 VDC
	OUTPUT CURRENT	30A (The output current indicated is the maximum current at the maximum input voltage)
	INPUT TO OUTPUT ISOLATION	Yes. > 400 V RMS
	OUTPUT RIPPLE & NOISE	<50 mV RMS
	PEAK EFFICIENCY	85%
	COOLING	By temperature controlled fan
	OPERATING TEMPERATURE	-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
	HUMIDITY (Non-condensing)	Max 95%
FUSE SPECIFICATIONS	PROTECTIONS	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
	EXTERNAL INPUT SIDE FUSE (Inline with "input +" terminal)	80V, 15A
	EXTERNAL OUTPUT SIDE FUSE (Inline with "output +" terminal)	32V, 30A
WIRE SIZE	INPUT WIRE (Up to 6')	AWG # 12
	OUTPUT WIRE (Up to 10')	AWG # 4
SAFETY & EMC	EMISSION	EN50081-1 / EN61000-6-3
	IMMUNITY	EN50082-1 / EN61000-6-1
	AUTOMOTIVE	95 / 54 / EC
GENERAL	INPUT / OUTPUT CONNECTIONS	Quick connect male 6.3mm / ¼" flat blade
	DIMENSIONS, MM (D x W x H)	190 x 133 x 83
	DIMENSIONS, INCHES (D x W x H)	7.4 x 5.2 x 3.2
	WEIGHT, KG	1.4
	WEIGHT, LB	3.1

NOTE: Specifications are subject to change without notice

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