



30A
samlexamerica®



Isolated DC-DC Converters

Model
IDC-360A-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-360A-12
INPUT	INPUT VOLTAGE RANGE		9 -18 VDC
	MAXIMUM INPUT CURRENT (AT INPUT OF 9 VDC)		47A
OUTPUT	OUTPUT VOLTAGE		12.5 VDC
	OUTPUT RIPPLE & NOISE		<50 mV RMS
	MAXIMUM CONTINUOUS OUTPUT CURRENT		30A
	PEAK EFFICIENCY		≥ 85%
	INPUT TO OUTPUT ISOLATION		≥ 400V RMS
COOLING	FORCED AIR		1 temperature controlled fan
PROTECTIONS	SHORT CIRCUIT / OVERLOAD		Output voltage will drop
	OVER VOLTAGE ON OUTPUT SIDE		Output voltage will drop
	OVER VOLTAGE ON INPUT SIDE		Input side fuse will blow
	REVERSE POLARITY ON INPUT SIDE		Input side / external fuse will blow
	OVER TEMPERATURE		Output voltage will shut down
EXTERNAL FUSES	INPUT SIDE FUSE		32V, 50A
	OUTPUT SIDE FUSE		32V, 30A
INPUT / OUTPUT CONNECTIONS	QUICK CONNECT MALE TABS		6.3 mm / ¼" wide blades
ENVIRONMENTAL	OPERATING TEMPERATURE		-20°C to +30°C, De-rate output current linearly at 0A at 70°C -4°F to 86°F, De-rate output current linearly at 0A at 158°F
	OPERATING HUMIDITY (Non-condensing)		Maximum 95%
COMPLIANCE	EMISSIONS		EN50081-1 / EN61000-6-3
	IMMUNITY		EN50082-1 / EN61000-6-1
	AUTOMOTIVE		Automotive Directive 95/54/ED (IDC-360A & IDC-360B Series Only)
DIMENSIONS & WEIGHTS	DIMENSIONS, MM (D x W x H)		190.5 x 132.8 x 83
	DIMENSIONS, INCHES (D x W x H)		7.5 x 5.23 x 3.27
	WEIGHT, KG		1.4
	WEIGHT, LB		3.1

NOTE: Specifications are subject to change without notice

12004-IDC-360A-12-0214