



samlexamerica®

30A



### Isolated DC-DC Converters

Model  
IDC-360A-12  
30 Amps

### Design Features

- Advanced switch mode design
- Compact and lightweight
- High efficiency
- Galvanic isolation between input and output: suitable for both common / different grounds on input and output and for noise sensitive applications like radios and instrumentation
- Compliance with European standards – CE marked

2 YEAR LIMITED WARRANTY



MODEL NO.		IDC-360A-12
INPUT	INPUT VOLTAGE RANGE	9 -18 VDC
	MAXIMUM INPUT CURRENT	< 40A
	NO LOAD CURRENT DRAW	< 25mA
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	FAN COOLED	1 temperature controlled fan
PROTECTIONS	SHORT CIRCUIT / OVERLOAD	Yes
	OVER VOLTAGE ON OUTPUT SIDE	Yes
	OVER VOLTAGE / TRANSIENTS ON INPUT SIDE	Yes
	REVERSE POLARITY ON INPUT SIDE	Yes
	OVER TEMPERATURE	Yes
EXTERNAL FUSES	INPUT SIDE FUSE	32V, 40A
	OUTPUT SIDE FUSE	32V, 30A
INPUT / OUTPUT CONNECTIONS	QUICK CONNECT MALE TABS	6.3 mm / ¼" wide blades
ENVIRONMENTAL	OPERATING TEMPERATURE RANGE	-20°C / -4°F to +30°C / 86°F (De-rate output current linearly to 0A at 70°C / 158°F)
	OPERATING HUMIDITY (Non-condensing)	Maximum 95%
COMPLIANCE	EUROPEAN CONFORMITY MARKING	CE Marked
	EMISSIONS	EN50081-1 / EN61000-6-3
	IMMUNITY	EN50082-1 / EN61000-6-1
	AUTOMOTIVE	Automotive Directive 95/54/EC
DIMENSIONS & WEIGHTS	DIMENSIONS, MM (W x D x H)	132.8 x 190.5 x 83
	DIMENSIONS, INCHES (W x D x H)	5.23 x 7.5 x 3.27
	WEIGHT, KG	1.4
	WEIGHT, LB	3.1