



**samlexamerica**<sup>®</sup>

# 7.5A



## Isolated DC-DC Converters

Model  
IDC-360B-48  
7.5 Amps

### Design Features

- Advanced, Isolated Switch Mode Design
- Input-Output isolation for Positive / Negative Grounding and for noise sensitive loads
- Protections against short circuit, over voltage, over heating and reverse polarity
- Compliance with European EMI / EMC

## 2 YEAR WARRANTY

MODEL NO.		IDC-360B-48
INPUT	INPUT VOLTAGE RANGE	20 - 35 VDC
	MAXIMUM INPUT CURRENT (AT INPUT OF 20 VDC)	< 30A
OUTPUT	OUTPUT VOLTAGE	48 VDC
	OUTPUT RIPPLE & NOISE	<50 mV RMS
	MAXIMUM CONTINUOUS OUTPUT CURRENT	7.5A
	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, 30A
	OUTPUT SIDE FUSE	58V, 7.5A
INPUT / OUTPUT CONNECTIONS	QUICK CONNECT MALE TABS	6.3 mm / ¼" wide male tabs
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	MARKING	CE
	EMISSIONS	EN50081-1 / EN61000-6-3
	IMMUNITY	EN50082-1 / EN61000-6-1
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

NOTE: Specifications are subject to change without notice

12004-IDC-360B-48-0514