

DC-DC Step Up Converter

Model IDC-100A-24 4 Amps

Design Features

- Fully isolated
- Short circuit protected
- Current limited

2 YEAR LIMITED WARRANTY

	MODEL NO.	IDC-100A-24
INPUT	INPUT VOLTAGE RANGE	9 -18 VDC
	OUTPUT VOLTAGE	24.5 VDC
	OUTPUT CURRENT	4 A
	INPUT TO OUTPUT ISOLATION	Yes. > 400 V RMS
	OUTPUT RIPPLE & NOISE	< 50 mV RMS
	PEAK EFFICIENCY	85%
	COOLING	By convection
	OPERATING TEMPERATURE	-20°C to +30°C, De-rate linearly to zero at 70°C
	HUMIDITY (Non-condensing)	Max 95%
	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
FUSE		
FUSE	EXTERNAL INPUT SIDE FUSE (Inline with "input +" terminal)	32V, 15A
FUSE SPECIFICATIONS		32V, 15A 32V, 5A
SPECIFICATIONS	(Inline with "input +" terminal) EXTERNAL OUTPUT SIDE FUSE	·
	(Inline with "input +" terminal) EXTERNAL OUTPUT SIDE FUSE (Inline with "output +" terminal)	32V, 5A
SPECIFICATIONS	(Inline with "input +" terminal) EXTERNAL OUTPUT SIDE FUSE (Inline with "output +" terminal) INPUT WIRE (Up to 6 ft)	32V, 5A AWG #8
SPECIFICATIONS	(Inline with "input +" terminal) EXTERNAL OUTPUT SIDE FUSE (Inline with "output +" terminal) INPUT WIRE (Up to 6 ft) OUTPUT WIRE (Up to 10 ft)	32V, 5A AWG #8 AWG #12
SPECIFICATIONS WIRE SIZE	(Inline with "input +" terminal) EXTERNAL OUTPUT SIDE FUSE (Inline with "output +" terminal) INPUT WIRE (Up to 6 ft) OUTPUT WIRE (Up to 10 ft) EMISSION	32V, 5A AWG #8 AWG #12 EN50081-1 / EN61000-6-3
SPECIFICATIONS WIRE SIZE	(Inline with "input +" terminal) EXTERNAL OUTPUT SIDE FUSE (Inline with "output +" terminal) INPUT WIRE (Up to 6 ft) OUTPUT WIRE (Up to 10 ft) EMISSION IMMUNITY	32V, 5A AWG #8 AWG #12 EN50081-1 / EN61000-6-3 EN50082-1 / EN61000-6-1
SPECIFICATIONS WIRE SIZE	(Inline with "input +" terminal) EXTERNAL OUTPUT SIDE FUSE (Inline with "output +" terminal) INPUT WIRE (Up to 6 ft) OUTPUT WIRE (Up to 10 ft) EMISSION IMMUNITY AUTOMOTIVE	32V, 5A AWG #8 AWG #12 EN50081-1 / EN61000-6-3 EN50082-1 / EN61000-6-1 95 / 54 / EC
SPECIFICATIONS WIRE SIZE	(Inline with "input +" terminal) EXTERNAL OUTPUT SIDE FUSE (Inline with "output +" terminal) INPUT WIRE (Up to 6 ft) OUTPUT WIRE (Up to 10 ft) EMISSION IMMUNITY AUTOMOTIVE INPUT / OUTPUT CONNECTIONS	32V, 5A AWG #8 AWG #12 EN50081-1 / EN61000-6-3 EN50082-1 / EN61000-6-1 95 / 54 / EC Quick connect male 6.3mm / ¼" flat blade
WIRE SIZE SAFETY & EMC	(Inline with "input +" terminal) EXTERNAL OUTPUT SIDE FUSE (Inline with "output +" terminal) INPUT WIRE (Up to 6 ft) OUTPUT WIRE (Up to 10 ft) EMISSION IMMUNITY AUTOMOTIVE INPUT / OUTPUT CONNECTIONS DIMENSIONS, MM (L x W x H)	32V, 5A AWG #8 AWG #12 EN50081-1 / EN61000-6-3 EN50082-1 / EN61000-6-1 95 / 54 / EC Quick connect male 6.3mm / ¼" flat blade 151 x 88 x 50

NOTE: Specifications are subject to change without notice