

IND-DCP-16.40V-270V-3.7A-MIL

DC to DC Power Converter - 16-40V DC Input, 270V DC Output, 3.7A - Surface Mount, Active Current Sharing

Product ID: 315663

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

IND-DCP-16.40V-270V-3.7A-MIL Power Supply

Unit Type: DC to DC Power Supply

Dimensions: 4.686" x 2.486" x 0.512"

Weight: 280 g

Input Voltage: 16-40V DC Continuous Input; 16-50V DC Transient Input

Output Voltage: 270V DC

Capacity: 3.7A

Switching Frequency: 237-247 kHz

Startup Time: 100 ms

Recommended Input Fuse: 80A, Fast Acting External Fuse (Not Included)

Startup Time Inhibition Period After Fault: 500 ms

Heatsink Type: Normal Threaded

Screening Level: S-grade

Protection: Input Under Voltage Lockout, Output Over Current Protection, Back-drive Current Limit, Output Over Voltage Protection, Over Temperature Protection

Efficiency: 96% @ 1.85A or 95% @ 3.7A

Ripple/Noise: 350 RMS

Cooling: Forced Air

Operating Temperature: -55 C to +100 C

Temperature Cycling: 500 Cycles of -55 C to +100 C

Materials: Metal, Copper Alloy Pins

Mount: Surface Mount

Wiring: -

Ratings

UL 60950-1

CAN/CSA C22.2 No. 60950-1

EN 60950-1

CE Marked

MIL-HDBK-704 (A-F)

RTCA/DO-160E Section 16

MIL-STD-1275 (B,D)

DEF-STAN 61-5 (Part 6)/(5 or 6)

MIL-STD-461 (C, D, E, F)

Active Current Sharing

Special Orders - Special Requirements

Contact us for special requirements

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The Larson Electronics IND-DCP-16.40V-270V-3.7A-MIL DC to DC Power Converter provides accurate voltage control and power management features for industrial or power sensitive operations. This unit is compatible with 16-40V DC input and 270V DC output. Equipped with protective functions, the device features active current sharing and two-stage power conversion technology.

The IND-DCP-16.40V-270V-3.7A-MIL is a compact DC to DC power supply for industrial facilities. This heavy-duty power converter accepts 16-40V DC input power and offers 270V DC output. With a capacity of 3.7 amps, the device provides predictable EMI performance and high efficiency at 95% (full load). Protective features include the following: Input Under Voltage Lockout, Output Over Current Protection, Back-drive Current Limit, Output Over Voltage Protection and Over Temperature Protection. For safety, this DC power converter shuts down for 500 ms (startup inhibit period) when a fault is present, activating auto-restart mode.

The enclosed unit is constructed of metal and features forced air cooling. Operators can mount the device on compatible surfaces.



Applications: Industrial sites, factory control, automation, laser machines, manufacturing, voltage control, power management, digital broadcasting, RF applications, computerized systems and more.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

Frequently Asked Questions (FAQ)