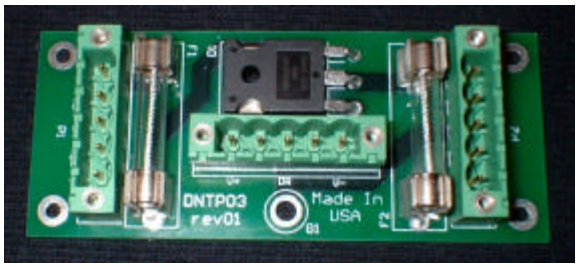
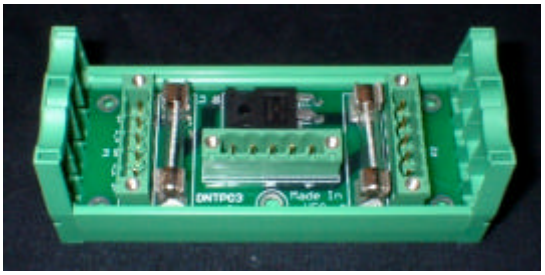
DeviceNet™ Power Tap

DNTP03



Board Only



Board in DIN-Rail Mount Enclosure

Overview:

The DeviceNet™ Power Tap DNTP03 from Industrial Network Controls, LLC allows connecting a power supply to the network through protection diode and fuses. Although the Tap was designed specifically for DeviceNet™, it is applicable to other networks as well. Inexpensive Combicon™ style plug connectors may be used with the DNTP03. The mating plug connectors may be secured to the 5-pin gold plated connectors on the DNTP03 with screw flanges to prevent accidental disconnects due to vibration or cable pull. A wide variety of plug wiring types, including screw terminal, solder, or crimp, may be found at the Phoenix Contact website http://www.phoenixcon.com.

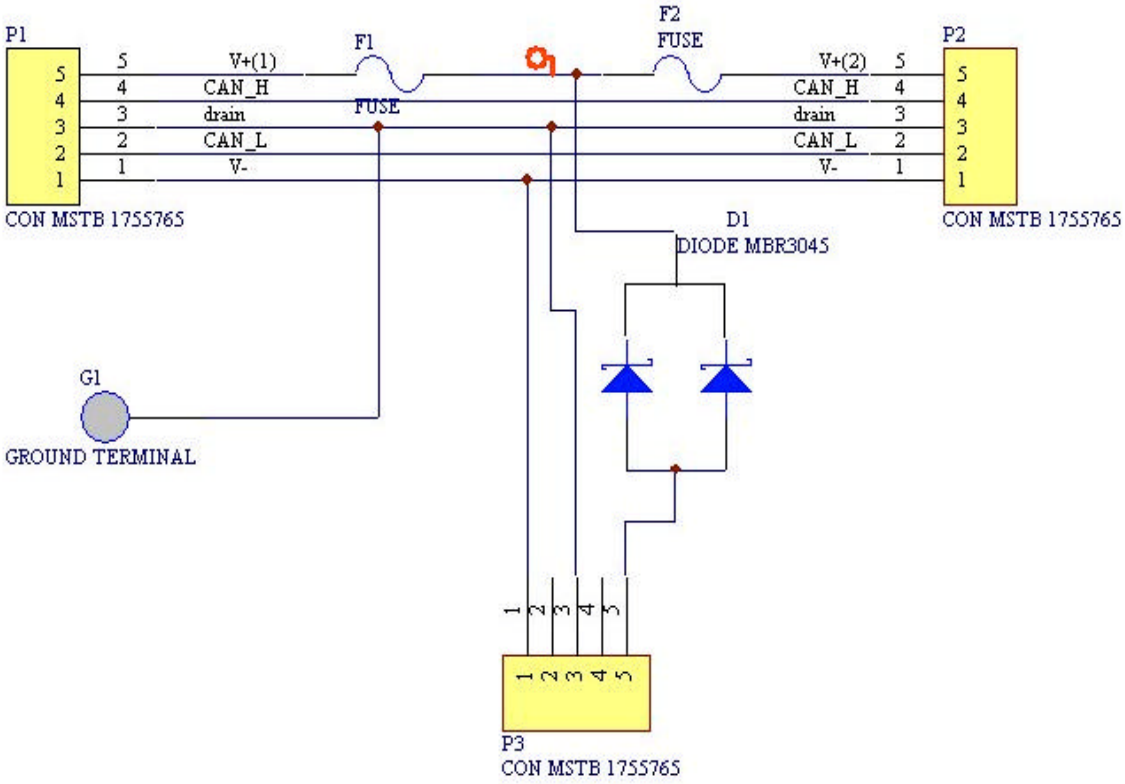
The Power Tap is available as "board only", for mounting inside a user's enclosure, or in a DIN rail mounted enclosure. The DIN rail enclosure is available in two versions of side panels, one for securing cables, the other for labeling the cables.

Power is supplied into the center connector and distributed through diodes and fuses out to the connectors on each board end, providing over current, reverse polarity, and power supply protection (in multiple power supply networks). The user can select the individual fuse values (see ordering information). Please visit our website http://www.incllc.com for further information and pictures.

Specifications:

Dimensions (board only):	100mm x 41.5mm
Max Voltage:	48V
Max Current Peak:	20A
Max Current Continuous:	8A

Schematics:



Ordering Information:

DNTP03-F1T-F2T-CC

CC specifies the case style:

00 = No case (board level only)
01 = DIN rail case with tie downs
02 = DIN rail case with marker inserts (no tie downs)

F1 and F2 specify fuse values in 0.1 Amp increments:

05 = 0.5 Amps	30 = 3.0 Amps
10 = 1.0 Amps	40 = 4.0 Amps
15 = 1.5 Amps	*50 = 5.0 Amps
20 = 2.0 Amps	*70 = 7.0 Amps
25 = 2.5 Amps	*80 = 8.0 Amps

*Check Local wiring code. The U.S. and Canada limit current in any section to 4 Amps.

T specifies Fuse type:

F = Fast Blow
S = Slow Blow

Example: DNTP03-10S-40F-02

Specifies a DNTP03 in a DIN case with a 1.0 Amp slow blow fuse and a 4.0 Amp fast blow fuse.