



High-density Passive DeviceNet Block simplifies Network wiring by eliminating the need for multiple tee connections and greatly reducing drop cabling ▲

Physical Media

Passive DeviceNet Block

Features

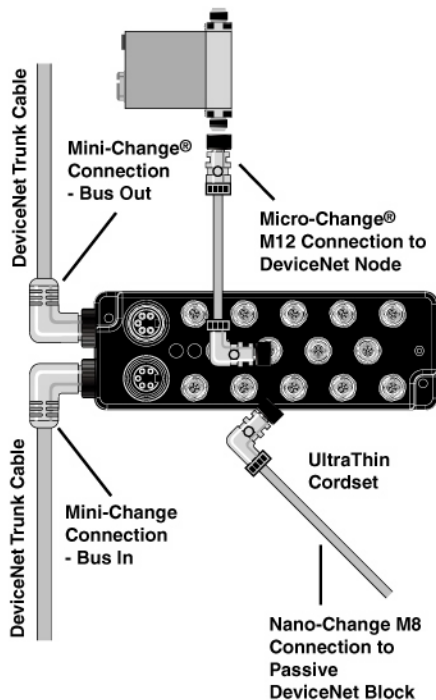
- Up to 60% space savings over functionally equivalent M12 drop boxes
- Mates with Straight and 90° M8 connectors allowing user to route cable as needed
- Designed to accept Ultra-Thin DeviceNet cabling: Ideal for tight routings and space and for applications requiring small footprints



14 Port Nano-Change® M8 Passive DeviceNet Block

With the Brad Harrison® Passive Network Block, up to 14 DeviceNet nodes can be consolidated into a single Trunk Cable connection. The approach provides cleaner cable routing and reduces costs versus ganging tees and drop lines in applications where DeviceNet nodes are closely grouped. The use of Nano-Change® M8 receptacles for the drop connections produces a footprint 60% smaller than comparable blocks.

Combine with Brad Harrison Ultra-Thin cordsets to create the ultimate in DeviceNet cable dressing solutions. One connection option the Ultra-Thin cordsets enable is an M8 to the Passive Network Block with an M12 on the other end for interfacing to DeviceNet field devices. The low profile, M12 right angle head is an additional space saver that makes this combination ideal for applications, like semiconductor gas panels, which require maximum density ▲



BRAD HARRISON®

14-Port Nano-Change® M8 Passive DeviceNet Block



Specifications

Mechanical

Insert PUR
 Housing Grey, Thermo Formed ABS
 Receptacle Shell Nickel-plated Brass
 Connector Configuration
 Periphery Connectors: 45°
 Center Connectors: 90°

Electrical

Voltage 36VDC
 Amperage 8A (Total per Drop Box)
 Grounding Grounding through mounting holes
 LED Indication for Network Voltage Status
 - Green LED: Within DeviceNet Voltage Spec (13-24V)
 - Red LED: Overvoltage (>24V)
 - Yellow LED: Undervoltage (<13V)

Environmental

Protection IP65
 Operating Temp 32° to 140°F (0° to 60°C)

Ordering Information

Part Number	Description
DNTA14114A1	Nano-Change M8 MPIS® DeviceNet Passive Drop Box Block, 14-Port, No fuses

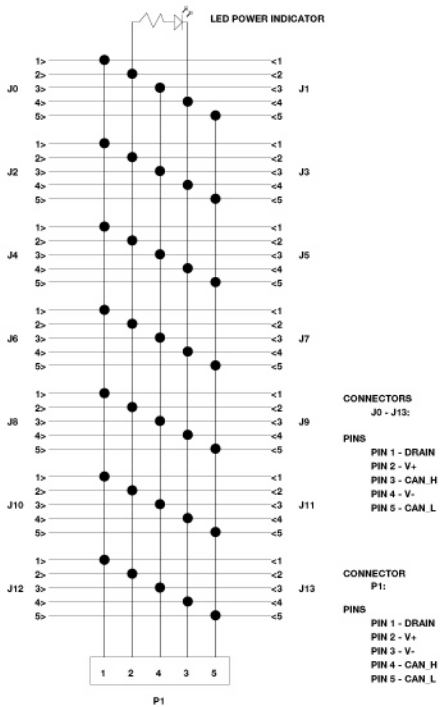
Double-ended Cordset Options

Female Connector	Male Connector	Connector Type	Cable Length
M8 4	M12 8	Female Straight/Male Straight 030	0.5 Meter M005
		Female 90°/Male Straight 031	1 Meter M010
		Female Straight/Male 90° 032	2 Meter M020
		Female 90°/Male 90° 033	5 Meter M050
			10 Meter M100

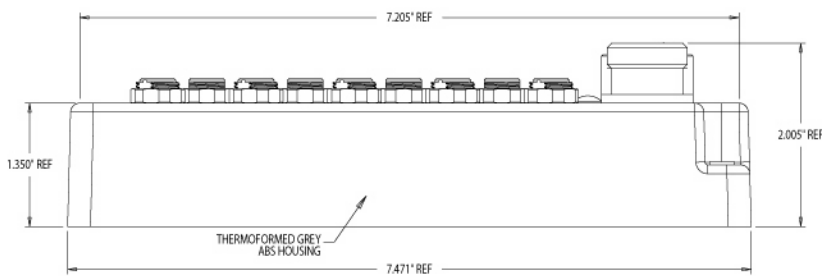
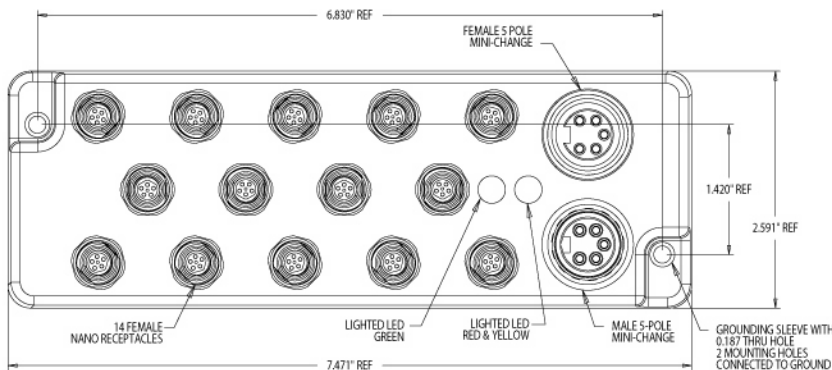
Available in lengths other than those listed

Example: 485031D12M010 = M8 Female 90°/M12 Male Straight, 1 meter cable

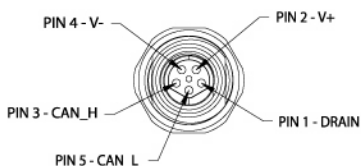
Wiring Schematic



Schematics

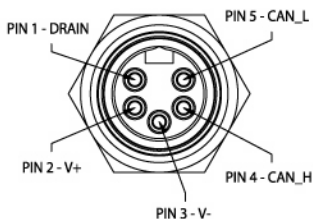


INPUT
 FEMALE NANO-CHANGE CONNECTOR
 (INTERNAL THREADS)



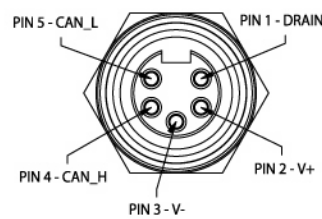
Female Face View

BUS IN
 MALE MINI-CHANGE CONNECTOR
 (EXTERNAL THREAD)



Male Face View

BUS OUT
 FEMALE MINI-CHANGE CONNECTOR
 (INTERNAL THREADS)



Female Face View

For Sales and Technical Support, Call 1-800-225-7724 or visit us on the web: www.woodhead.com

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