



Woodhead® DeviceNet* Power Distribution Block

130276 Mini-Change® Multi-Port

Single-point sealed power distribution block saves time and money when installing DeviceNet CAN Bus nodes in high concentration

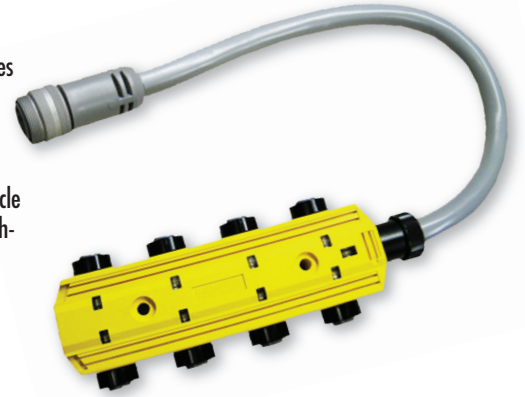
As installation and maintenance costs continue to escalate in the Industrial Automation market space, few technologies offer the value proposition of quick-disconnect. The Brad® family of rugged connectivity products is a leading provider of sealed quick-disconnect. The new Power Distribution Block benefits the equipment builders by reducing installation time and system maintenance.

The Block minimizes power wiring for machinery applications where multiple high-current DeviceNet nodes are installed in close proximity. The Power Distribution Block consolidates power feeds to the devices to a single point, while offering circuit protection at each port.

This distribution block complies with Class 1 wiring standards and with DeviceNet installation guidelines for Class 1 circuits. This block can be used for a variety of CAN Bus networks or any 10-30 VDC applications requiring power distribution.

The Block features 8 sealed Mini-Change® receptacle connectors with IP67 rating, for application in wash-down environments.

For additional information visit:
www.molex.com/link/devicenet.html



FEATURES AND BENEFITS

- 8 ports, 8 amps per port, reduces individual cable runs from power supply
- 30 amps per block reduces the number of power supplies
- Circuit protected at 8 amps, per port; auto reset 6.4 seconds eliminates fuses, decreases maintenance, and increases system up time
- Normal voltage range of 10-30 VDC compatible with DeviceNet/CANopen/Ethernet
- Connectorized home run reduces hard-wiring time and trouble shooting
- IP67-rated sealed Mini-change® connectors are suitable for wash-down environments
- Operating temperature of -20°C to +85°C for use in a wide range of industrial applications
- LEDs: One main and single-port for visual power status indication

SPECIFICATIONS

Reference Information

Vibration: 7g (IEC 60068-2-6 Part 2 Test Fc)

Mechanical Shock: 50g (IEC 60068-2-27 Part 2 test Ea)

Mates With:

Port Connections

5-pole Mini-Change® Thick
Media DeviceNet Cordsets

Power Connection

Quick-Change® Brad Power™ or Flying Leads

Electrical

Voltage Rating: 10–30 VDC

Amperage: 30A total per MPIS unit
8A per port

DeviceNet Common Mode Voltage: 0.2 VDC Max.

Short Circuit protection per port:

Standard trip time for continues current: 32 ms

Standard trip current for continues current: 8A

Auto-reset time for resetting

short-circuit protection: 6.4 seconds

Mechanical

LED Functionality:

Unit LED

Green – Voltage present

Off – No voltage present

Port LED

Green – Voltage level 10-30 VDC

Red – Voltage level < 10VDC

Voltage level > 30 VDC

Off – No voltage present

Power Cable:

Pin 1 – Black (DC Positive wire)

Pin 2 – Green (Drain shield wire)

Pin 3 – White (DC negative wire)

Physical

Insert: PVC

Housing: PET (Polyester)

Receptacle Housing: Zinc die-cast
with black epoxy coat

Plating: Gold over Nickel

Housing: Unshielded

Shells: Not bonded to ground or DeviceNet shield

Operating Temperature: -20°C to + 85°C

Storage Temperature: -40°C to + 105°C

Ingress Protection: IP67

Technical Notifications

Product Label: May adverse chemical exposure

Potting Material: May adverse chemical exposure

Consult factory with application details.

*DeviceNet is a trademark of Open DeviceNet Vendor Association (ODVA)



**Woodhead® DeviceNet*
Power Distribution Block**

**130276 Mini-Change®
Multi-Port**

- Semiconductor Etching Equipment
 - Connect Mass Flow Controllers (MFC)
 - Non-Auto Transportation
 - Centrally distributed power devices for CANbus applications, J1939, CANopen, etc.
 - 12 or 24 VDC for passive accessories

- Industrial Machinery
 - Packaging/robot/welding/material handling etc.
 - Industrial network power
 - Many other combined power & signal applications
 - Machine builders & system integrators

- Target Customers
 - Applied material, Rockwell, GM, etc.
 - DeviceNet network machine builders



ORDERING INFORMATION

| Order No. | Product Attribute | Plant No. for Samples |
|------------|---|-----------------------|
| 1302760002 | DeviceNet Power Block with 1.00mm (.039") of cable | 3313 (US) |
| 1302760003 | DeviceNet Power Block with BradPower™ 3-pole male connector and 1.00mm (.039") of cable | 3313 (US) |

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