Achieve the fastest, smallest and most secure industrial DeviceNet* connection with the Brad® DeviceNet Passive Multi-Port Distribution Block, featuring the industry’s only 3-tier LED voltage-indication light and ground tabs for reliable circuit protection up to 10.0 A

The Brad® DeviceNet® Passive Multi-Port Distribution Blocks provide designers and users of DeviceNet systems with a complete communication and connectivity solution – from scanner through media infrastructure to I/O connections.

The Brad DeviceNet 8-Port Distribution Block accepts industry-standard, threaded M12 connectors and Brad Ultra-Lock® connectors.

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

FEATURES AND BENEFITS

- 3-Tier LED voltage-indication light provides an instant, visual status of network power conditions and is the only LED indication light on the market to meet all ODVA specifications
- Receptacle shells are connected to the ground tab providing reliable circuit protection in harsh environments
- Smallest profile on the market, with a housing height of 20.00mm (.787") provides nearly double the space savings versus competition
- Mini-Change® Home-Run 10.0A connector design provides the highest current rating available on the market
- Industry accepted 60.00mm (2.362") format with standard hole pattern allows use of standard extrusion members and mounting holes for installation
- Sealed design withstands dust, pressure wash and submersion in water meets IP67 environmental protection ratings
- Unique Ultra-Lock® “push-to-lock” radial-seal design provides the fastest, simplest and most secure connection system on the market between the distribution block and end devices
- Block design consolidates wiring within a system reducing the number of distinct connections to one single multi-conductor pre-wired cable while eliminating the need for knockouts, terminal strips and separate enclosures
- Rugged enclosure for reliable connections in an industrial environment

SPECIFICATIONS

Reference Information

Mates with:
- Port Connections: 5-Pole Micro-Change® DeviceNet Thin Media Cordsets
- Power Connection: 5-Pole Mini-Change®

Packaging:
- Carton Box, Single Packaged (Conforms to Drop Test standard NSTA1A)

RoHS: Yes
Halogen Free: No

Electrical

Voltage: 30V DC max.
Current:
- 4.0A (M12 Ultra-Lock®) max.
- 10.0A (Mini-Change®) max.
Contact Resistance: <5 mΩ
Insulation Resistance: 500V DC between pins 1 and 5
LED Function:
- (LO) <12.9V Amber
- (OK) 12.9 to 24.6V Green
- (HI) >24.6V Amber

Environmental

Housing: Material: PBT GF20
Housing Finish/Color: Black
Receptacle Housing: Nickel Plated Brass
Grounding: All Metal Shells (M12-I/O Port +MC Ports) are Grounded to “PE” (Mounting Holes-2x)
Plating:
- Contacts — Gold (Au) Plated Brass
- Receptacle Housing — Nickel (Ni) Plated Brass
Contact Carrier/insert: PBT GF20 / PVC
Ingress Protection:
- Meets IP67 requirements when all plugs are connected
Operating Temperature: - 25 to +70°C

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

• Semiconductor etching equipment
• Connect Mass Flow Controllers (MFC)
• Non-automotive transportation equipment
• Industrial machinery
  - Packaging/robot/welding/material handling etc.
  - Safety switch and light curtains
  - Machine builders and system integrators

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Ports</th>
<th>Poles</th>
<th>Wire Configuration</th>
<th>Bus I/O</th>
</tr>
</thead>
<tbody>
<tr>
<td>120357-0001</td>
<td>8</td>
<td>5</td>
<td>Single I/O per Port</td>
<td>Mini-Change</td>
</tr>
</tbody>
</table>

Brad® DeviceNet® Passive Multi-Port Distribution Block

120357 8-Port Distribution Block with LED Voltage-Indication Light

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