

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.

Brad® DeviceNet* Passive Multi-Port Distribution Block

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



Brad® DeviceNet Passive Multi-Port Distribution Block*

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

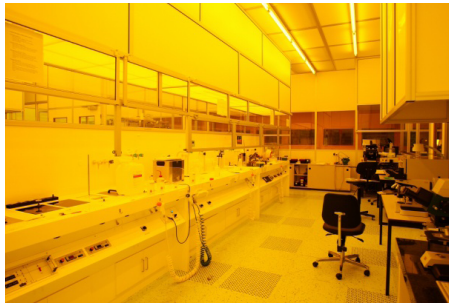
Ingress Protection:

- Meets IP67 requirements when all plugs are connected

Operating Temperature: - 25 to +70°C

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



Clean Room



Automotive



Automotive/Robotics

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ORDERING INFORMATION

Order No.	Ports	Poles	Wire Configuration	Bus I/O
120357-0001	8	5	Single I/O per Port	Mini-Change

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