molex®
one company › a world of innovation

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About Us

Molex Incorporated is a 70-year-old global developer, manufacturer and marketer of a wide array of Automation, Electrical, Fiber Optic and Electronic products engineered for superior performance in demanding, harsh, or hazardous industrial environments. Based in Lisle, Illinois, USA, the company operates 59 manufacturing facilities in 19 countries spanning North America, Europe and Asia/Paci

In July, 2006, Molex finalized the purchase of Woodhead Industries and created the Automation an Electrical Products Division (AEPD). AEPD is a global developer, manufacturer and marketer of a w array of **Automation and Electrical** products engineered for superior performance in demanding, h hazardous industrial environments. AEPD **"Empowers the Industrial Infrastructure"** with innovat products and solutions that extend from mechanical, electrical and electronics, to communications/networking devices and diagnostic software.

AEPD supports two core business areas – **Automation and Electrical** – each of which clearly communicates our commitment to continue to drive product innovations in today's fast-changing ma Each business unit supports a master brand comprising a set of product competencies/categories, include an array of targeted product offerings.

I. Automation Business - Master Brand: Brad®

Within the Brad brand are the following product categories:

• **BradConnectivity™** – Connectors, cordsets and distribution boxes for sensor, actuator and bus applications
• **BradCommunications™** – Network interface cards, gateways, simulation software, and diagnost
• **BradControl™** – Network I/O devices for on-machine and in-cabinet applications
• **BradPower™** – Modular, flexible wiring systems for machine power distribution and motor control

Within these Brad product categories are individual product lines that include applicom®, mPm®, S RJ-Lnxx®, Brad Harrison®, Mini-Change®, Micro-Change®, and Nano-Change®.

II. Electrical Business - Master Brand: Woodhead®

Within the Woodhead brand are the following product categories:

• Woodhead Balancers
• Woodhead Electrical Specialties
• Woodhead Lighting
• Woodhead Portable Power
• Woodhead Hose Reels
• Woodhead Wiring Devices
• Woodhead Electric Reels
• Woodhead Mobile Electrification
• Woodhead Wire Mesh Grips

Within these **Woodhead** product categories are individual product lines that include Aero-Motive®, Woodhead®, Watertite® and Super-Safeway®

Woodhead Industries Company History
Woodhead Industries was founded as Daniel Woodhead Company in 1922.
The company engineered and manufactured the world's first rubber-handled handlamp, which was on safety in transportation application with the railroads, and the product was patented that same ye Since that time, Woodhead has continued to fulfill the needs of the global industrial marketplace wit innovative electrical and connectivity products designed to withstand harsh, unforgiving environmer

Growth Through Mergers and Acquisitions

Woodhead

eCat

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Cordsets with Circular Connectors

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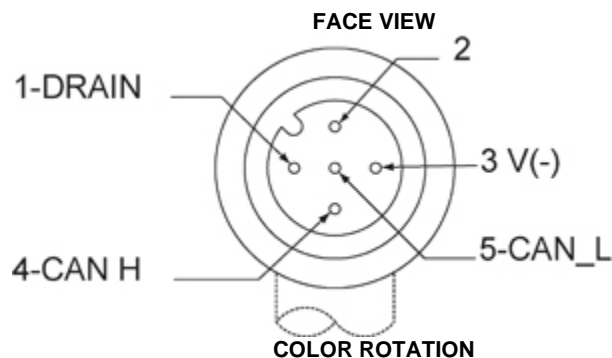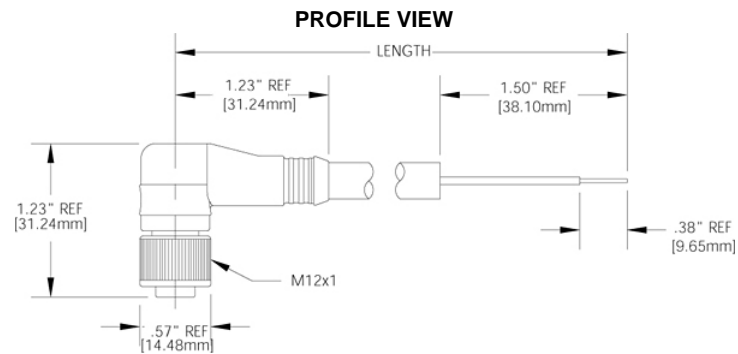 Home
> Automation
  Products
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  Cordsets
> DeviceNet
  Products
> Cordsets > Cordse
                Connec

▶ **Part Number: DND30A-M020**

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PROFILE VIEW

FACE VIEW

1-DRAIN
2
3 V(-)
4-CAN H
5-CAN_L

COLOR ROTATION

MICRO-CHANGE
CONNECTOR PINOUT

1 - bare (shield drain)
2 - red (V+)
3 - black (V-)
4 - white (CAN H)
5 - blue (CAN_L)

If you would like a pri
part, indicate the qua
and click "Add to Quo

Quantity: 1

Add to Quote R

Product Attribu

ATTRIBUTES SELEC

First Connector End
Micro-Change (Drop

Second Connector E
No Connector

Cable Type :
Thin, Standard

Configuration :
Female 90

Cable Length :
2 meter

Coupling Nut :
Black Epoxy-Coated

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PROFILE VIEW

DN THIN MIC FP 90
VIEW.dxf

FACE VIEW

DN MIC 5P FP FAC

COLOR ROTATION

DN MIC 5P COLOR

SPECIFICATIONS

Mechanical
Female End Molded Body - PVC
Female End Connector Face - Nylon 6/6
Female End Contact Plating - Gold over nickel
Female End Contact - Phosphor Bronze
Coupling nut - Black epoxy coated diecast zinc
Cable (Power, Data, Drain) - DeviceNet Thin

Electrical
Female End Voltage Rating - 250V A
Cable Voltage Rating - 300V, 80 deg
Female End Amperage - 4A
Cable Amperage - 4 A

(2#22, 2#24,1#22)
Cable Diameter - .270" (6.86mm)
Cable Materials - Gray PVC outer jacket w/Nylon skin inner insulation(Power), PE Foam inner insulation(Data)
Cable Construction - Two foil shielded pairs, one copper drain wire between pairs

Environmental
Female End Protection - IP68, NEMA 6P
Ambient Operating Temperature - -20C to 105C

Certifications
UL - UL Recognized, File #E152210
CSA - CSA Certified, File #LR6837