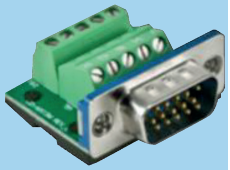
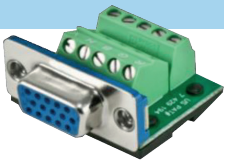
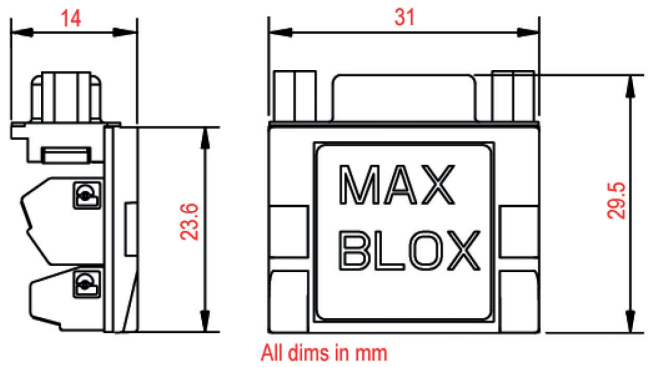
# Product Information Sheet

## BTX CD-MX15F/M D-SUB HD 15 pin female, cable/panel mount, screw terminal

**44-123** BTX CD-MX15F D-SUB HD 15 pin female, cable/panel mount, screw terminal
**44-124** BTX CD-MX15M D-SUB HD 15 pin male, cable or panel mount, screw terminal
**44-125** BTX CD-MX915H D-SUB Clamshell hood for 9 and 15 pin screw term. connectors
**44-126** BTX CD-MX915HH D-SUB Half hood for 9 and 15 pin screw term. connectors








### FEATURES

- Rugged new patent-pending design with genuine Phoenix Terminal Blocks
- Accepts cable size range 16 AWG to 30 AWG
- Terminates with just a screwdriver
- Designed for use with VGA-UXGA signals
- Mounts in the MaxBlox CD-MX915 hood or a wall plate with an HD15 punch out
- MaxBlox CD-MX915 hood works in both cable and panel mount applications
- Low profile - less than 26mm behind the plate without the hood
- Dramatically reduces installation time & costs requirimng no soldering or crimping

### DESCRIPTION

The MaxBlox CD-MX15M (male) and CD-MX15F (female) by BTX Technologies are cable and panel mount high density 15 pin (HD15) VGA connectors that feature a rugged, new, patent-pending design. Along with genuine the Phoenix Contact terminal blocks that dramatically reduce installation time and cost by eliminating the need for soldering or crimping, the unique sled-type bottom allows these connectors to slide, snap and lock into the patent-pending MaxBlox CD-MX915 hood for a secure, rugged and solderless cable mount connection.

The CD-MX915 hood can also be used in panel mount applications for extra strain relief and can be added to the connector before or after the termination process. It can even be added after it has been mounted to a panel. When used in panel mount applications without a hood, these low profile connectors are less then 26mm behind a plate. These connectors are perfect for VGA through UXGA applications where field termination is necessary.

The CD-MX15M and CD-MX15F's terminal block contains 10 clearly labelled screw terminals for R, G, B, H & V and their respective grounds. Each terminal accommodates cable sizes ranging from 16 AWG to 30 AWG. A high resolution five conductor coax cable like Belden 1279R should be used when wiring these connectors. The MaxBlox CD-MX915 hood strain relief accommodates cable diameters from 3.5mm to 12mm.

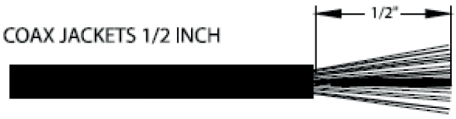
| Part # | CD-MX15M (Male) | CD-MX15F (Female) |
|---|---|---|
| -3dB Bandwidth: | >345 MHz | >345 MHz |
| Contact Insertion Loss: | 0.63dB @ 100 MHz | 0.71dB @ 100 MHz |
| Contact Return Loss: | 20.49 dB @ 100 MHz | 20.1 dB @ 100 MHz |
| Contact VSWR: | <1.21:1 up to 100 MHz | <1.22:1 up to 100 MHz |
| Contact Resistance: | 7milliohms | 7milliohms |
| Insulation Resistance: | 7 x 105 Megaohms | 7 x 105 Megaohms |
| Max Current: | 5A | 5A |

## CABLE TERMINATION

1) STRIP OFF OUTER JACKET 1 INCH



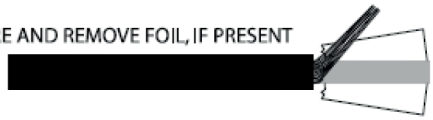

2) STRIP INDIVIDUAL COAX JACKETS 1/2 INCH




3) SEPARATE AND GATHER SHIELD WIRE TOGETHER, TRIM BUNDLE TO 3/8" LONG




4) TWIST SHIELD WIRE AND REMOVE FOIL, IF PRESENT



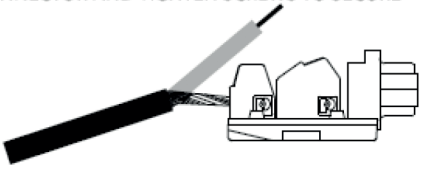
5) STRIP MAIN INSULATION 3/16 INCH



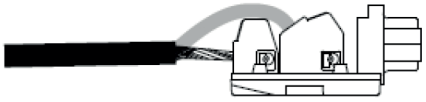

6) ARRANGE WIRES IN CABLE AS SHOWN

FEMALE
MALE

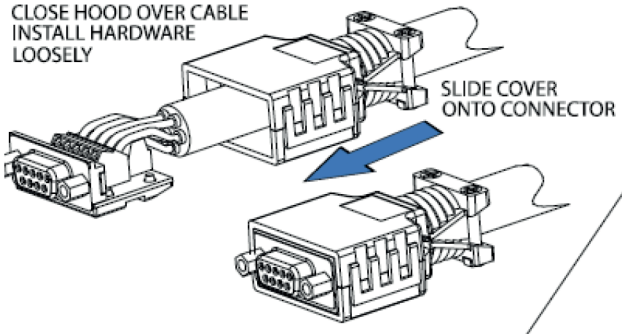
7) INSERT ALL SHIELD CONDUCTORS INTO GROUND ROW CONNECTOR AND TIGHTEN SCREWS TO SECURE



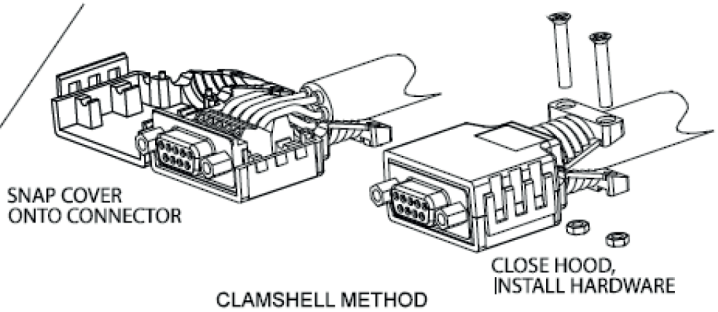
8) INSERT ALL CENTER CONDUCTORS INTO SIGNAL ROW CONNECTOR AND TIGHTEN SCREWS TO SECURE



9) INSTALL CD-MX915H HOOD ONTO CONNECTOR/CABLE

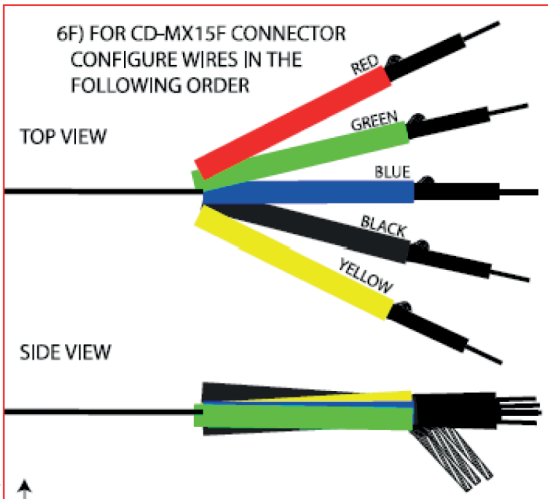



SLIDE AND CLICK METHOD



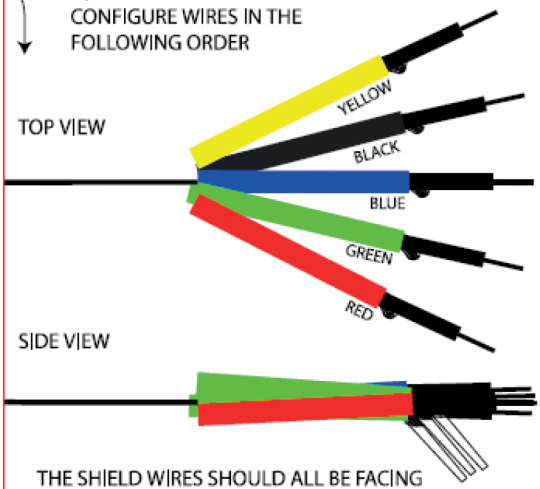

CLAMSHELL METHOD

6F) FOR CD-MX15F CONNECTOR CONFIGURE WIRES IN THE FOLLOWING ORDER




THE SHIELD WIRES SHOULD ALL BE FACING DOWNWARD AS SHOWN (AWAY FROM TOP)

6M) FOR CD-MX15M CONNECTOR CONFIGURE WIRES IN THE FOLLOWING ORDER




THE SHIELD WIRES SHOULD ALL BE FACING DOWNWARD AS SHOWN (AWAY FROM TOP)

THIS GUIDE IS SHOWN USING BELDEN 1279R CABLE, OTHER TYPES OF CABLE MAY HAVE SLIGHTLY DIFFERENT CHARACTERISTICS. PLEASE USE THE TECHNIQUES AND DIMENSIONS SHOWN ON THIS GUIDE.