

**WIRE AND BOX CONNECTORS 0-1000 V**

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**1. GENERAL**

**1.1 Section Includes**

- .1 Materials and installation for wire and box connectors.

**1.2 References**

- .1 Canadian Standards Association (CSA)
  - .1 CAN/CSA-C22.2 No.18, Outlet Boxes, Conduit Boxes, Fittings and Associated Hardware.
  - .2 CSA C22.2 No.65, Wire Connectors.
- .2 Electrical and Electronic Manufacturers' Association of Canada (EEMAC)
  - .1 EEMAC 1Y-2, Bushing Stud Connectors and Aluminum Adapters (1200 Ampere Maximum Rating).

**2. PRODUCTS**

**2.1 Materials**

- .1 Pressure type wire connectors to: CSA C22.2 No.65, with current carrying parts of copper sized to fit copper conductors as required.
- .2 Fixture type splicing connectors to: CSA C22.2 No.65, with current carrying parts of copper sized to fit copper conductors 10 AWG or less.
- .3 Bushing stud connectors: to NEMA to consist of:
  - .1 Connector body and stud clamp for copper conductors.
  - .2 Clamp for copper conductors.
  - .3 Clamp for conductors.
  - .4 Stud clamp bolts.
  - .5 Bolts for copper conductors.
  - .6 Bolts for aluminum conductors.
  - .7 Sized for conductors as indicated.
- .4 Clamps or connectors for armoured cable, flexible conduit, and non-metallic sheathed cable as required to: CAN/CSA-C22.2 No.18.

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**3. EXECUTION**

**3.1 Installation**

- .1 Remove insulation carefully from ends of conductors and:
  - .1 Apply coat of zinc joint compound on aluminum conductors prior to installation of connectors.
  - .2 Install mechanical pressure type connectors and tighten screws. Installation shall meet secureness tests in accordance with CSA C22.2 No.65.
  - .3 Install fixture type connectors and tighten. Replace insulating cap.

**END OF SECTION**