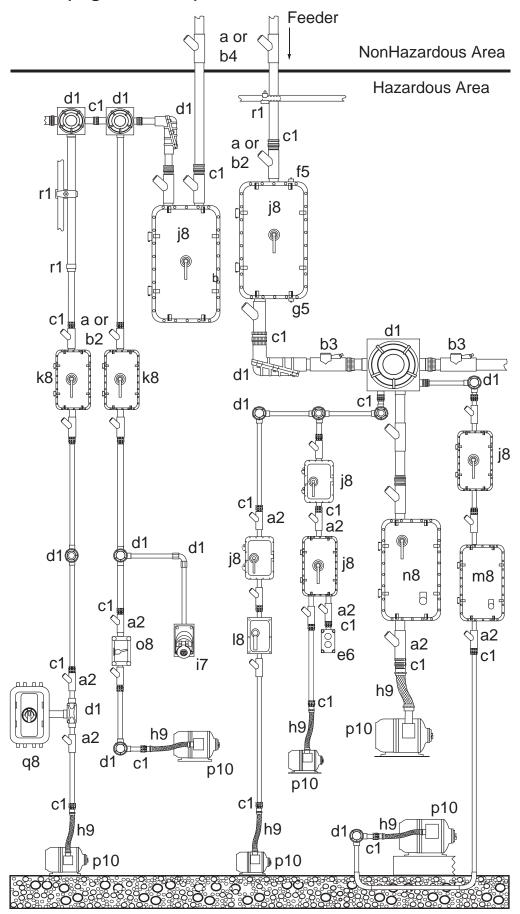
Power (Rigid Conduit) Installation, Class I, Division 1





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Power (Rigid Conduit) Installation, Class I, Division 1



Product Key

- (a) EY, ENY, EYD, or EYS Sealing fittings used with vertical conduits
- (b) ENY or EYS Sealing fittings used with vertical or horizontal conduits
- (c) GUF/UNF Female-Female or GUM/UNY Male-Female Unions
- (d) Explosionproof Junction boxes Series GE, GEB, X, XALB, GR, JL, JAL or Elbow
- (e) XCS Non Factory Sealed or FXCS Factory Sealed Push-button, Pilot Light or other Control Station
- (f) KDB or KB1B Breather
- (g) KDB or KB1D Drain
- (h) ECF or EKJ Explosionproof Flexible Coupling
- (i) UGR/UGP Factory Sealed Acceptor Receptacle
- (j) B7C Prism Circuit Breaker
- (k) XEC Circuit Breaker
- (I) XMSW, XSD, XSX, Non-Factory Sealed or FXSD, FXSX Factory Sealed Manual Motor Starting Switches
- (m) B7 Series Prism Magnetic line starter
- (n) B7 Series Prism combination magnetic motor starter.
- (o) XS or XSX Non-Factory Sealed or FXS or FXSX Factory Sealed Switch or Manual Motor Starter
- (p) Hazardous Location rated Motor
- (q) Compact B7NFD Disconnect Switch or B7MSN2P Manual Motor Starter
- (r) Conduit Clamp or Reducer

N.E.C. References

- 501.10(3) Boxes and Fittings Shall be Approved for Class I, Division 1. 500.8 (E) Equipment. (E) Threading. Supply entry connection entry thread form shall be NPT or Metric.
- 501.15 Sealing and Drainage. (1) A conduit seal shall be in each entry into an explosionproof enclosure that contains high temperatures or apparatus that is considered to be an ignition source in normal operation.
- 501.15 Sealing and Drainage. (A)(1) Entering Enclosures (2) The entry is metric designator 53 (trade size 2) or larger and the enclosure contains terminals, splices or taps.
- 501.15 Sealing and Drainage. (4) Class I, Division 1 Boundary. The sealing fitting shall be permitted on either side of the boundary within 3.05m (10ft.).
- 501.15 Sealing and Drainage. (F) Drainage. (1) Control Equipment. An approved means shall be provided to prevent accumulation or permit draining of liquid or condensed vapor.
- 501.115 Switches, Circuit Breakers, Motor Controllers, and Fuses.
 (A) Class I, Division 1. Pushbuttons and similar devices shall be inside enclosures identified to be a complete assembly for use in Class I Locations. According to Exception 501.15(A)(1)(1) Seals shall not be required for conduit entering an enclosure where the switches are inside a factory sealed enclosure.
- 7) 501.145 Receptacles and attachment Plugs, Class I, Divisions 1 and 2. Shall be of a type providing for connection to an equipment grounding conductor and shall be identified for the location. According to Exception 501.15(A)(1)(1) Seals shall not be required for conduit entering an enclosure where the switches are inside a factory sealed enclosure.
- 501.115 Switches, Circuit Breakers, Motor Controllers, and Fuses.
 (A) Class I, Division 1. Circuit Breakers, Manual Motor Starters, Magnetic Motor Starters, Disconnect Switches and similar devices shall be inside enclosures identified to be a complete assembly for use in Class I Locations.
- 501.10(A) Wiring Methods Class I, Division 1. (2) Flexible Connections. Where necessary to employ flexible connections as at motor terminals, flexible couplings shall be listed for the location.
- 10) 501.125 Motors and Generators. Motors shall be one of the types described in this section.

