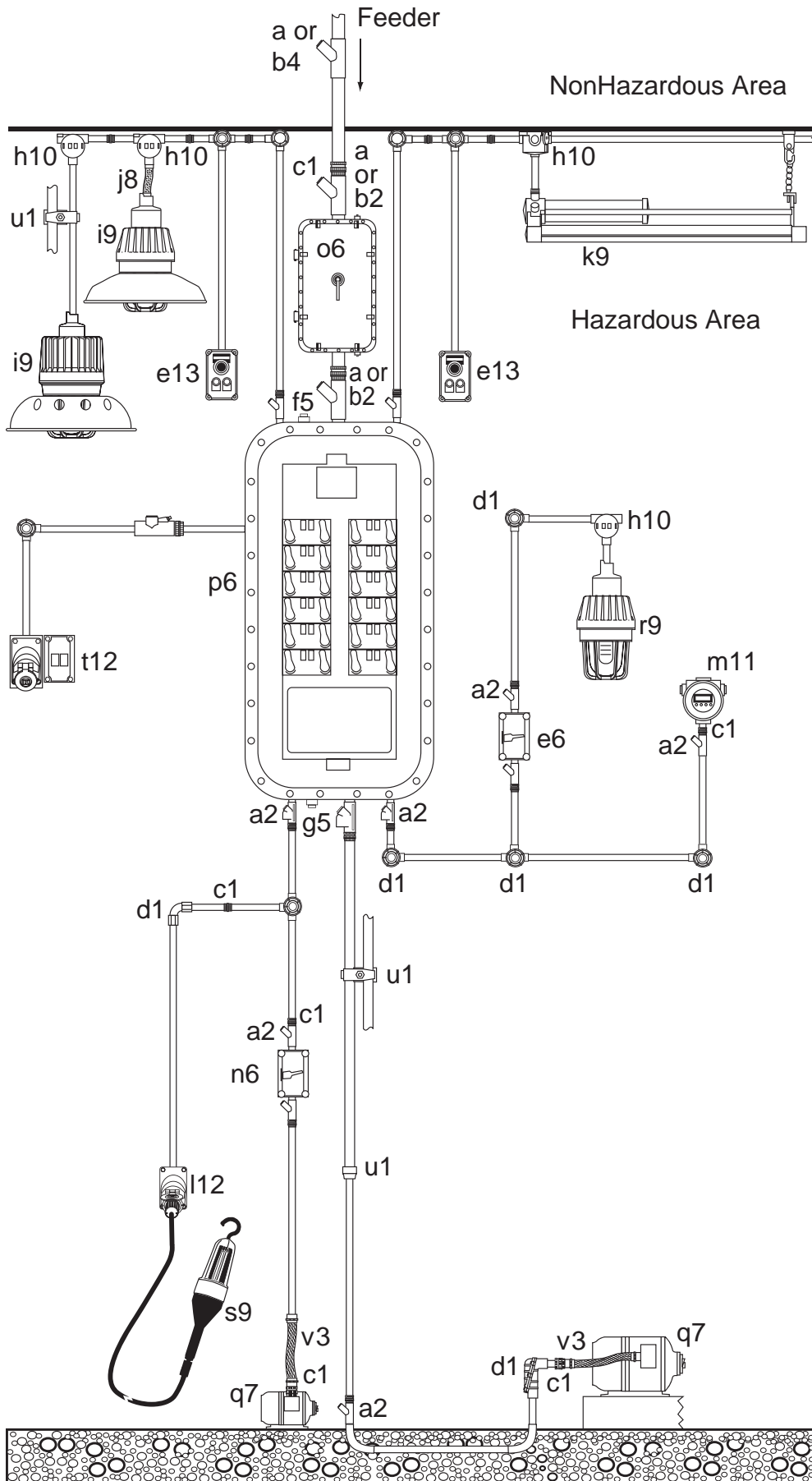


# Lighting (Rigid Conduit) Installation, Class I, Division 1



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### Product Key

- (a) EY, ENY, EYD, or EYS Sealing fitting 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 Series Explosionproof Unions
- (d) Explosionproof Junction Boxes Series GE, GEB, X, XALB, GR, JL, JAL, or Elbow
- (e) XS Non-Factory Sealed or FXS Factory Sealed Switch or Factory Sealed Control Station
- (f) KDB or KB1B Breather
- (g) KDB or KB1D Drain
- (h) HXB or XFH Fixture Hanger
- (i) EMI/EBF LED, Medium Base H.I.D and PL Fluorescent or EZ Mogul Base H.I.D.
- (j) EKJ Flexible Fixture Hanger
- (k) HFX LinearLite Fluorescent Fixture
- (l) UGR/UGP Acceptor Plug and Receptacle
- (m) HK Instrument Enclosure
- (n) XSD, XSX, Non-Factory Sealed or FXSD, FXSX Factory Sealed Manual Line Starter
- (o) B7C Prism Circuit Breaker
- (p) B7L or B7P Prism Panelboard
- (q) Hazardous Location rated Motor
- (r) ESXR Strobe Light
- (s) XHL Explosionproof Handlamp
- (t) UGRF GFI Protected Receptacle
- (u) Conduit Clamp or Reducer
- (v) ECF or EKJ Explosionproof Flexible Coupling

### N.E.C. References

- 1) 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.
- 2) 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.
- 3) 501.10A 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.
- 4) 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.).
- 5) 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.
- 6) 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.
- 7) 501.125 Motors and Generators. Motors shall be one of the types described in this section.
- 8) 501.130. (A)(3) Pendant Luminaires. Shall be suspended by threaded joints provided with set screws or other means to prevent loosening. Flexibility in the form of a fitting or flexible connector identified for Class I, Division 1 shall be provided not more than 12 inches from the point of attachment to the supporting box or fitting.
- 9) 501.130 (A)(1) Luminaires. Shall be identified as a complete assembly for Class I, Division 1 and shall be clearly marked to indicate the maximum wattage of lamp for which it is identified. Luminaires intended for portable use shall be specifically listed as a complete assembly for that use.
- 10) 501.130 (A)(4) Supports. Boxes, box assemblies, or fittings used for the support of luminaires shall be identified for Class I, locations.
- 11) 501.105 (A) In Class I, Division 1 locations, meters and instruments shall be provided with enclosures identified for Class I, Division 1 locations. These include explosionproof enclosures.
- 12) 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.
- 13) 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.