

Applications:

EJB602212 junction box is used in threaded rigid conduit systems in hazardous areas:

- As a junction or pull box
- As an enclosure for splices and branch circuit taps
- For housing terminal blocks, relays, and other electrical devices
- As a mounting box for multi-device control panels with EMP barrel assemblies (see section 5C)
- Indoors or outdoors in damp, wet, dusty, corrosive locations
- Where exposure to frequent or heavy rain, water, spray, moisture, and humidity is common, such as: offshore drilling facilities, cooling towers, coal preparation and handling facilities, and sewage and waste water treatment plants
- Which are hazardous due to the presence of gases or vapors such as those found in process industries, missile bases, and gas manufacturing plants

Features:

- Ground joint cover opening provides maximum opening for pulling wires or mounting equipment
- Walls of enclosure may be drilled and tapped for conduit entries as shown in Table 2
- External flange design – wide unobstructed cover opening provides a completely accessible interior for wiring and electrical equipment
- Square corners of enclosure body provide maximum interior space and area for conduit openings
- Flat cover provides maximum space for mounting a greater number of control devices
- Internal grounding lug provides a means to ground enclosed equipment
- Special neoprene cover gasket provides a watertight seal to meet UL Type 4 (NEMA 4) requirements, and provides superior protection for enclosed equipment against water/corrosion
- Stainless steel cover bolts provide superior corrosion protection
- Enclosure is machined for field installed mounting plates
- Detachable mounting channels provide mounting flexibility. No need to replace enclosure if mounting channel is broken
- Aluminum hinges provide convenient and easy access for inspection, maintenance, and systems changes
- Safety chain attached to body and cover prevents accidental damage to hinges

Certifications and Compliances:

- NEC:
 - Class I, Division 1 & 2, Groups C, D
 - Class II, Division 1, Groups E, F, G
 - Class II, Division 2, Groups F, G
 - Class III
- UL Standard: 1203
- UL Raintight
- CSA 22.2 No. 18 and 30
- NEMA 3, 4, 7CD, 9EFG

Standard Materials:

- Body and cover – copper-free aluminum
- Gasket – neoprene
- Cover bolts – stainless steel
- Hinges – extruded aluminum

Standard Finishes:

- Copper-free aluminum – natural
- Extruded aluminum – natural
- Stainless steel – natural
- Neoprene – natural

Options:**Description****Suffix**

Mounting plate kit for field installation (kit includes aluminum mounting plate, pillars, and mounting hardware).....**EJB-MP6022**
 Factory installed aluminum mounting plate for relays, terminal blocks, electrical devices, etc..... **MP**

Ordering Information:

EJB602212 can be furnished with drilled and tapped openings, subject to the limitations of maximum size and number of openings as well as spacing, as shown in Tables 1 and 2.

**To Order:****Step 1**

Specify box catalog number – EJB602212

Step 2

Select standard conduit arrangement from Table 1 and maximum allowable size conduit opening from Table 2.

Step 3

Select appropriate symbol for required drilled and tapped opening from Table 3.

Example:

Step 1 – Box Cat. No. – EJB602212

Step 2 – Arrangement – 2

Step 3 – Openings – two 2" drilled and tapped holes in top and bottom and two 2 1/2" drilled and tapped holes evenly spaced on each side.

Step 4 – Symbols are substituted and written in clockwise order starting with "a". When no opening is required at a particular location, use symbol "0" (zero). For this example: GG-0H0H0-GG-0H0H0. Complete Cat. No. is made up of three parts:

Part 1 – box number;

Part 2 – arrangement number;

Part 3 – symbols for conduit openings. For this example the catalog number is: EJB602212-2-GG-0H0H0-GG-0H0H0.

For conduit liner ordering information, see page 860.