**Crouse-Hinds Enclosures** 

# High performance, high reliability enclosures for global applications





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# High Performance, high reliability enclosures for global applications

Eaton's Crouse-Hinds Business manufactures enclosures that meet the most demanding hazardous and industrial environmental applications. They are available in a comprehensive range of sizes, each with various configurations for a multitude of applications. Enclosures are certified, engineered and manufactured to perform through the most demanding conditions needed by chemical plants, refineries, OEMs, MRO, and waste water treatment facilities. These exceptionally durable, corrosion-resistant enclosures can withstand extreme abuse and exposure to chemicals, water and severe conditions. They have unique design features, precision manufacturing and the highest quality materials, making them the premier choice for instrumentation and electrical applications.

# Metallic Enclosures for Explosionproof or Hazardous Applications (NEMA 7)

Type 7 enclosures shall be capable of withstanding the pressures resulting from an internal explosion of specified gases, and contain such an explosion sufficiently that an explosive gas-air mixture existing in the atmosphere surrounding the enclosure will not be ignited.

# **EJB Enclosures**



Premium NEMA 7 explosionproof enclosure available in a variety of sizes with various combinations of pushbuttons, pilot lights, selector switches, and windows.

### **Features:**

- Available as a EJB Custom-Built Control Panel in a variety of sizes with an unlimited combination of devices, windows and markings. EJB Custom-Built Control Panels are now third-party certified to UL and cULus standards, and the ATEX Directive.
- Tap-in mounting feet for mounting flexibility. No need to replace enclosure if feet are broken.
- Captive, triple lead, quick release hex head stainless steel bolts with spring loaded action provides clear indication that cover bolts are fully retracted from the body.

# **Certifications & Compliances:**

NEC/CEC:

Class I, Divisions 1 and 2 Class II, Divisions 1 and 2 Class III Class I, Zones 1 and 2

- UL Standard: 1203
- cUL to CSA Standard C22.2 No. 30
- ATEX: Ex d IIB + H<sub>a</sub> T6, IP66
- ATEX certificate: PTB 01 ATEX 1020 U
- NEMA Type 3, 3R, 4, 4X, 7BCD, 9EFG
- IEC Standard: EN:60079-0 and EN:60079-1

# **Metallic Enclosures for Explosionproof or Hazardous Applications (NEMA 7)**

Type 7 enclosures shall be capable of withstanding the pressures resulting from an internal explosion of specified gases, and contain such an explosion sufficiently that an explosive gas-air mixture existing in the atmosphere surrounding the enclosure will not be ignited.

# **ECP Enclosures**



Ideal enclosure for the OEM market. Featuring an optimized design and fast lead times for OEMs. ECP enclosures are available in 40 standard sizes with optional conduit and device drilling and tapping.

### Features:

- Optimized for the OEM market
- 40 sizes available from 4" x 6" x 4" to 24" x 36" x 10"
- Short lead time and quick turnaround from our made-to-order facility in Houston, TX including drilling, tapping and installing operators

# **Certifications & Compliances:**

NEC/CEC:

Class I, Divisions 1 and 2 Class II, Divisions 1 and 2

Class III

- UL Standard: 1203
- cUL to CSA Standard C22.2 No. 30
- NEMA Type 3, 3R, 4, 4X\*, 7BCD, 9EFG \*Requires selecting 4X option.

# **Instrument Enclosures**



**GUB Enclosures** 



Ideal for enclosing instrumentation and control devices such as transmitters, flow measurement devices, temperature controls, level detectors, pressure switches, etc.

### Features:

- Designed for tough OEM and industrial applications
- Provides access to conductors for maintenance and future system changes
- Convenient wrenching lugs permit easy cover removal and

# **Certifications & Compliances:**

NFC/CFC:

Class I, Divisions 1 and 2 Class II, Division 1 Class III

- UL Standard: 1203
- CSA Standard C22.2 No. 30
- NEMA Type 4, 7BCD, 9EFG
- EIH ATEX certificate: KEMA02ATEX2265U
- GUB ATEX certificate: PTB01ATEX1019U (select sizes)

# **Metallic Enclosures for Increased Safety Hazardous Applications**

Globally certified enclosure and termination solutions for the most demanding hazardous area applications

# **Ex-CELL Enclosures**



The premier choice for instrumentation and electrical applications across the globe. Globally certified with over 100 sizes featuring unique features, precision manufacturing, and the highest quality materials.

# Features:

- 316L stainless steel as standard
- 304 stainless steel or painted steel as optional
- High-integrity one-piece foam-in place polyurethane gasket

# **Certifications & Compliances:**

- NEC/CEC:
  - Class I, Divisions 2, Groups A, B, C, D
- cULus toUL50 / C22.2 no. 94-M91
- NEMAType 3S, 4, 4X
- ATEX II 2 GD Ex e IIT6 or T5 IP66
- AEx Class 1 Zone 1 AEx e IIT6 for Zones 1, 2, 21
- ATEX certificate: PTB 02 ATEX1014 U
- IECEx certificate: BKI 08.0004U
- GOST-K, GOST-R, GAZPROM, ABS certified
- IEC Standard: EN:60079-0 and EN:60079-1

# **Metallic Enclosures for Increased Safety Hazardous Applications**

Globally certified enclosure and termination solutions for the most demanding hazardous area applications

### **NXT Enclosures**



Ideal for accommodating rail mounted terminals or other electrical components. Features foam-in place polyurethane gasket and rain channel for ingress protection.

### **Features:**

- · 316L stainless steel as standard
- 304 stainless steel or painted steel as optional
- Fully removable hinged cover, concealed hinges provide 180° opening

# **Certifications & Compliances:**

NEC/CEC:

Class I, Division 2, Groups A, B, C, D Class I, Zone 1, AEx e II

- cULus to UL50 / C22.2 No. 94-M91
- ATEX II 2 GD Ex e IIT6 IP66 (PTB02ATEX1014) for Zones 1, 2, 21
- AEx Class 1 Zone 1 AEx e IIT6 for Zones 1, 2, 21
- ATEX certificate: PTB02ATEX1014
- IECEx certificate: BVS 13.0026U
- GL, GOST-K, GOST-R GAZPROM, ABS, CEPEL/INMETRO, CCOE
- IEC Standard: EN:60079-0 and EN:60079-1

# **Metallic Enclosures for Non-hazardous Applications (NEMA 3, 4, 5 & 12)**

Available in a wide variety of sizes and materials, metallic enclosures for non-hazardous applications are used to provide openings for making splices and taps in conductors, and for housing and protecting electrical equipment.

### **W-Series Enclosures**



Wide variety of options including:

- Special covers
- Hinged covers
- Materials and finishes
- Mounting plates
- Conduit or device openings
- Corro-free<sup>™</sup> epoxy powder coat

### **Features:**

- Expansive line of W-Series cast-iron boxes are used on highway construction projects, bridges, tunnels, convention centers, stadiums, architectural lighting, and more
- Thin-walled, cast-iron, and hot dip galvanized boxes are used to house electrical connections and wiring
- Often buried or encased in concrete, these boxes stand up to years of use and installation

# **Certifications & Compliances:**

- Dust-tight
- Weatherproof
- Raintight
- Watertight
- NEMAType 3, 4, 5, 12
- NEMA 250



# **Metallic Enclosures for Non-hazardous Applications (NEMA 4)**

Protects against windblown dust and rain, splashing water and hose directed water.

# **NEMA Type Enclosures**



Broad offering of JIC, wall-mount, floor-mount, ground-mount and free-standing enclosures with superior ingress protection.

### **Features:**

- Type 4 enclosures have poured in place gasket for superior ingress protection
- Polyester powder coating provides a tough finish, allowing enclosures to be used for indoor and outdoor applications

# **Certifications & Compliances:**

- UL 508 listed, Type 4, 12
- CSA C22.2 No.94 certified, Type 4, 12
- Conforms to NEMA standard for Type 3, 4, 12

# **Metallic Enclosures for Non-hazardous Applications (NEMA 4X)**

Protects against corrosion, circulating and windblown dust, falling dirt, dripping non-corrosive liquids, rain, splashing water and hose directed water.

# **NEMA Type Enclosures**



Broad offering of JIC, wall-mount, ground-mount and free-standing enclosures with superior ingress protection.

### **Features:**

- Type 4X enclosures have poured in place gasket for superior ingress protection
- · Brushed 304 stainless steel as standard
- Brushed 316L stainless steel or aluminum as optional

# **Certifications & Compliances:**

- UL 508 listed, Type 4, 4X, 12, 13
- CSA C22.2 No.94 certified, Type 4, 4X, 12, 13
- Conforms to NEMA standard for Type 4, 4X, 12, 13

# Nonmetallic Enclosures for Non-hazardous Applications (NEMA 1, 3, 3R, 4X, 6P, 12)

Made of fiberglass-reinforced polyester, non-metallic enclosures are exceptionally durable, corrosion resistant, and can withstand abuse and exposure to chemicals, water, and extreme conditions.

# **Fiberglass Enclosures**



Extensive offering of fiberglass enclosures including: small line, pushbutton, junction box, raised cover, advantage, wall mount, disconnect and xtra deep series.

# Features:

- Fiberglass-reinforced thermoset polyester with poured polyurethane seamless gasket
- Stainless steel used on all external hardware

# **Certifications & Compliances:**

- UL/cUL 50
- CSA C22.2
- NEMAType 1, 3, 3R, 4X, 6P, 12
- NEMA 250

### For more information:

If further assistance is required, please contact an authorized Eaton Distributor, Sales Office, or Customer Service Department

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