

ZONEX™ ATEX- AND IECEX-CERTIFIED, TYPE 4X, HINGED COVER

INDUSTRY STANDARDS
ATEX Directive 94/9/EC
ATEX

Sira 09ATEX3224U
 Ex e IIC Gb
 Ex tb IIIC Db IP 66
 EN60079-0:2009
 EN60079-7:2007
 EN61241-0:2006
 EN61241-1:2004

IECEX

IECEX SIR 09.0099U
 Ex e IIC Gb
 Ex tb IIIC Db IP 66
 IEC 60079-0:2007-2010
 IEC 60079-7:2006-2007
 IEC 61241-0:2004
 IEC 61241-1:2004

Type 4, 4X, 12; File No. E61997
 cUL C22.2 No. 94 Listed; Type 4, 4X, 12; File No. E61997

NEMA/EEMAC Type 4, 4X, 12
 IEC 60529, IP66

APPLICATION

ZONEX™ Enclosures are designed and certified to meet ATEX Directive 94/9/EC as well as IECEX standards for increased safety in housing electrical components in Zone 1 and Zone 2 applications.

Hoffman's ATEX Ex e enclosures are not intended for use in explosion-proof or flame-proof applications.

FEATURES

- 10-mm brass internal/external bonding provision
- Type 316 stainless steel quarter-turn latch with slotted insert
- Large 3-mm-thick, flat gasketed gland plate(s)
- Continuous seal gasket on door and gland plate(s)
- Hardware for panel and bonding provisions included
- Operating temperature range: -40 C to +70 C standard polyurethane gasket

SPECIFICATIONS

- Fabricated from Type 316 stainless steel
- 3-mm thick individual welded-on top and bottom wall-mounting brackets
- Increased safety: Ex e. IECEX e certified

FINISH

#4 brushed finish

ACCESSORIES

Panels
 Security inserts and handles
 Gland Plates
 Stopping plugs
 Vent/drains
 Hazardous Location Thermostat
 Hazardous Location Heater

NOTES

Intrinsically safe terminal blocks can be installed in populated non-standard enclosures.

IECEX populated enclosures require IECEX-certified components specifically listed in Certification (See IECEX SIR 09.0100 for more detail).

MODIFICATION AND CUSTOMIZATION

Hoffman excels at modifying and customizing products to your specifications. Hoffman offers a ZONEX-specific modification program with ATEX certification. Contact your local Hoffman sales office or distributor for complete information.

Material changes: Type 304 stainless steel, painted mild steel or aluminum

Gasket changes: High-temperature silicone gasket

Side-mount brackets available

Holes and cutouts

Paint

DIN rails

Ground bars

Terminal block installation and marking

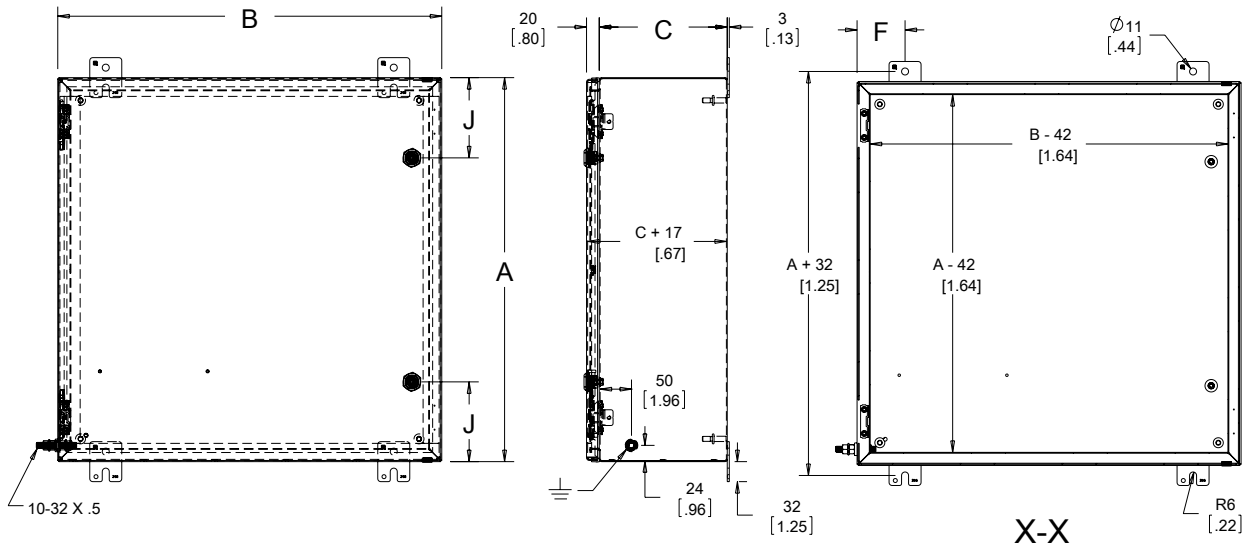
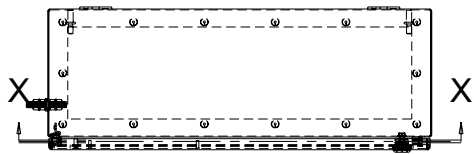
Tagging

Accessory installations: drain/breathers and stopping plugs

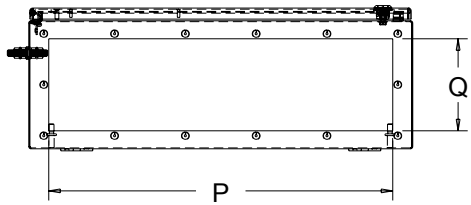
BULLETIN: HL

Standard Product

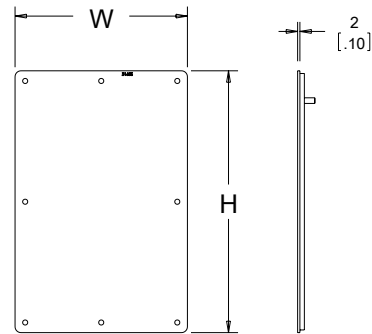
| Catalog Number | AxBxC mm/in. | F mm/in. | J mm/in. | P mm/in. | Q mm/in. | No. of latches | Optional Panel |
|----------------|--|--------------|--------------|--------------|-------------|----------------|----------------|
| EXE12126SS61 | 305 x 305 x 152 12.00 x 12.00 x 6.00 | 32 1.25 | 152 6.00 | 241 9.50 | 95 3.75 | 1 | CP1212G |
| EXE12128SS61 | 305 x 305 x 203 12.00 x 12.00 x 8.00 | 1.25 1.25 | 152 6.00 | 241 9.50 | 146 5.75 | 1 | CP1212G |
| EXE16126SS61 | 406 x 305 x 152 16.00 x 12.00 x 6.00 | 76 3.00 | 203 8.00 | 241 9.50 | 95 3.75 | 1 | CP1612G |
| EXE16128SS61 | 406 x 305 x 203 16.00 x 12.00 x 8.00 | 76 3.00 | 203 8.00 | 241 9.50 | 146 5.75 | 1 | CP1612G |
| EXE16166SS61 | 406 x 406 x 152 16.00 x 16.00 x 6.00 | 76 3.00 | 203 8.00 | 343 13.50 | 95 3.75 | 1 | CP1616G |
| EXE16168SS61 | 406 x 406 x 203 16.00 x 16.00 x 8.00 | 76 3.00 | 203 8.00 | 343 13.50 | 146 5.75 | 1 | CP1616G |
| EXE20166SS61 | 508 x 406 x 152 20.00 x 16.00 x 6.00 | 76 3.00 | 254 10.00 | 343 13.50 | 95 3.75 | 1 | CP2016G |
| EXE20168SS61 | 508 x 406 x 203 20.00 x 16.00 x 8.00 | 76 3.00 | 254 10.00 | 343 13.50 | 146 5.75 | 1 | CP2016G |
| EXE20208SS61 | 508 x 508 x 203 20.00 x 20.00 x 8.00 | 76 3.00 | 254 10.00 | 445 17.50 | 146 5.75 | 1 | CP2020G |
| EXE24208SS61 | 610 x 508 x 203 24.00 x 20.00 x 8.00 | 76 3.00 | 305 12.00 | 445 17.50 | 146 5.75 | 1 | CP2420G |
| EXE24248SS61 | 610 x 610 x 203 24.00 x 24.00 x 8.00 | 76 3.00 | 305 12.00 | 546 21.50 | 146 5.75 | 2 | CP2424G |
| EXE242412SS61 | 610 x 610 x 305 24.00 x 24.00 x 12.00 | 76 3.00 | 305 12.00 | 546 21.50 | 178 7.00 | 2 | CP2424G |
| EXE30208SS61 | 762 x 508 x 203 30.00 x 20.00 x 8.00 | 76 3.00 | 381 15.00 | 445 17.50 | 146 5.75 | 2 | CP3020G |
| EXE30248SS61 | 762 x 610 x 203 30.00 x 24.00 x 8.00 | 76 3.00 | 381 15.00 | 546 21.50 | 146 5.75 | 2 | CP3024G |
| EXE303012SS61 | 762 x 762 x 305 30.00 x 30.00 x 12.00 | 76 3.00 | 381 15.00 | 546 21.50 | 178 7.00 | 2 | CP3030G |
| EXE36248SS61 | 914 x 610 x 203 36.00 x 24.00 x 8.00 | 76 3.00 | 457 18.00 | 546 21.50 | 146 5.75 | 2 | CP3624G |



89083150



GLAND PLATE



89083184

BULLETIN: HL2

Standard Product Gland Plate

| Catalog Number | Description | Cutout Size mm/in. | W x H mm/in. |
|----------------|--|---------------------------|---------------------------|
| GPS126SS6 | Gland plate for 12-in. x 6-in. side with ground | 191 x 95 7.50 x 3.75 | 228 x 133 8.98 x 5.23 |
| GPS128SS6 | Gland plate for 12-in. x 8-in. side with ground | 191 x 146 7.50 x 5.75 | 228 x 184 8.98 x 7.23 |
| GP126SS6 | Gland plate for 12-in. x 6-in. surface without ground | 241 x 95 9.50 x 3.75 | 279 x 133 10.98 x 5.23 |
| GP128SS6 | Gland plate for 12-in. x 8-in. surface without ground | 241 x 146 9.50 x 5.75 | 279 x 184 10.98 x 7.23 |
| GP166SS6 | Gland plate for 16-in. x 6-in. surface without ground | 343 x 95 13.50 x 3.75 | 380 x 133 14.98 x 5.23 |
| GP168SS6 | Gland plate for 16-in. x 8-in. surface without ground | 343 x 146 13.50 x 5.75 | 380 x 184 14.98 x 7.23 |
| GP206SS6 | Gland plate for 20-in. x 6-in. surface without ground | 445 x 95 17.50 x 3.75 | 482 x 133 18.98 x 5.23 |
| GP208SS6 | Gland plate for 20-in. x 8-in. surface without ground | 446 x 146 17.50 x 5.75 | 482 x 184 18.98 x 7.23 |
| GP248SS6 | Gland plate for 24-in. x 8-in. surface without ground | 546 x 146 21.50 x 5.75 | 584 x 184 22.98 x 7.23 |
| GP2412SS6 | Gland plate for 24-in. x 12-in. surface without ground | 246 x 178 21.50 x 7.00 | 584 x 215 22.98 x 8.48 |

GP2412SS6 is also used on 30-in. wide, 12-in. deep standard enclosure bottom.

ATEX DIRECTIVE AND CLASSIFICATION SYSTEM

Since 2003, manufacturers across the European Union (EU) have been obliged to comply with strict new EU directives governing safety in explosive atmospheres. Called ATEX (from the French *ATmosphères EXplosives*), ATEX Directive 94/9/EC has an impact not only on European manufacturers, but also on non-European makers of industrial equipment wishing to sell in Europe.

Two of the most common classification systems for hazardous locations are the NEC Division Classification system and the Zone Classification system used by the European Union (EU) and the International Electrotechnical Commission (IEC).

Article 500 of the NEC also classifies hazardous locations according to the properties of the flammable vapors, liquids or gases, or according to the combustible dusts or fibers that may be present and the likelihood that a flammable or combustible concentration or quantity is present. Articles 505 and 506 of the NEC refer to zone classifications. Refer to the Technical Information section of the Specifier's Guide for specific definitions and additional information.

Hoffman's ATEX enclosures are not intended for use in explosion-proof or flame-proof (Ex d) applications.

NEC Divisions and IEC Zones (Not Interchangeable)

| Frequency of Hazard Occurrence | NEC Division Classification System | EU and IEC Zone Classification System |
|--------------------------------|------------------------------------|---------------------------------------|
| Continuous Hazard | Division 1 | Zone 0 |
| Intermittent, Periodic Hazards | Division 1 | Zone 1 |
| Abnormal Condition Hazard | Division 2 | Zone 2 |