

Power distribution

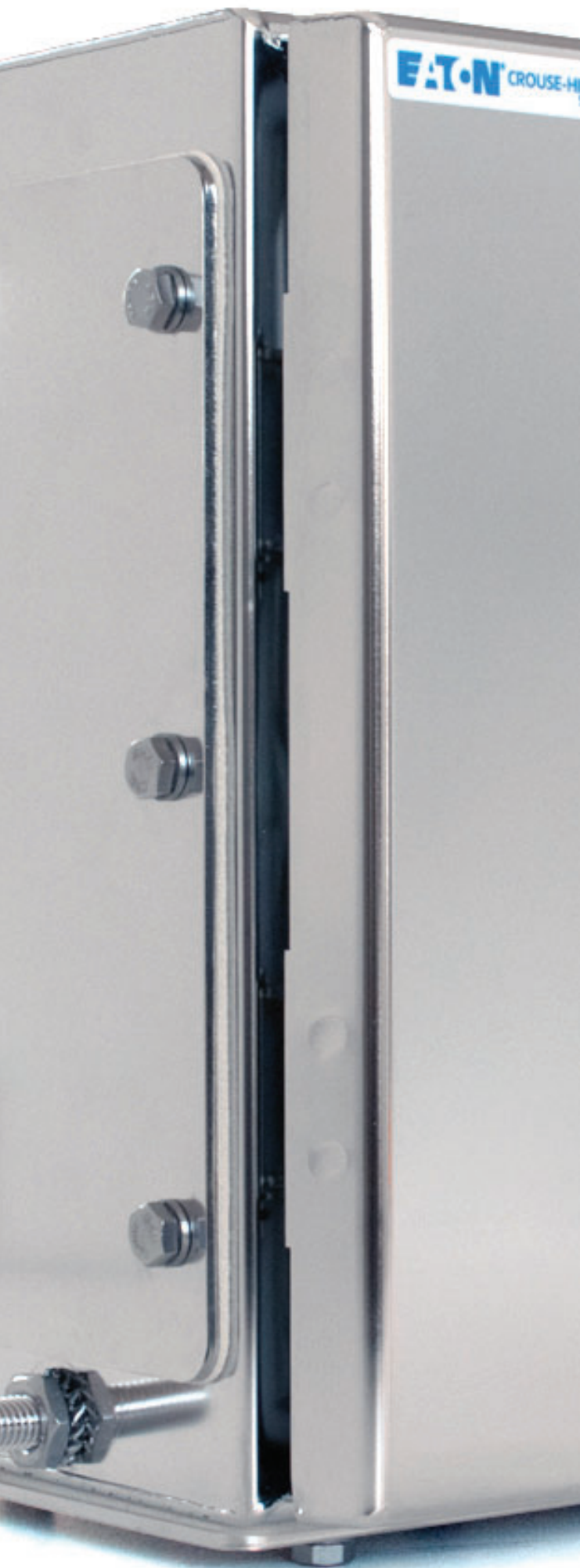
CROUSE-HINDS  
SERIES

# Stainless steel enclosures

High performance, high reliability enclosures  
for global applications



*Powering Business Worldwide*



# Stainless steel enclosures

The ultimate in corrosion resistance and durability

Superior resistance to corrosion and heat, combined with unmatched strength, make stainless steel enclosures for global applications a long-term solution for even the most extreme environments.

Eaton's Crouse-Hinds series stainless steel enclosures are manufactured using high grade 316 stainless steel. Even in the most caustic environments, they are virtually immune to rust, corrosion and discoloration, greatly lowering cost of ownership through maintenance reduction.

This long life, low maintenance solution is ideal for:

- Corrosive environments
- Offshore and marine applications
- Above ground mining applications
- Food and beverage manufacturing
- Pharmaceutical manufacturing
- Healthcare facilities
- Wastewater treatment plants



# Crouse-Hinds series selection guide

Find out which stainless steel enclosure is right for you



## Quick selection guide



| Features                                                         | N-TB | Ex-Cell | S-TB |
|------------------------------------------------------------------|------|---------|------|
| Premium series with set sizes and features                       | ✓    |         |      |
| Largest size range with flexible options                         |      | ✓       |      |
| Small terminal junction box with simple design                   |      |         | ✓    |
| Integrated drainage channel                                      | ✓    | ✓       |      |
| Hinged & bolted removable cover                                  | ✓    |         |      |
| Hinged cover with quarter-turn clamp, bolted, or external clamps |      | ✓       |      |
| Fully bolted cover                                               |      | ✓       | ✓    |

# Ex-Cell stainless steel and painted steel enclosures

High performance, high reliability enclosures for global applications

Cl. I, Div. 2, Groups A, B, C, D<sup>Ⓐ</sup>  
Cl. I, Zone 1  
Cl. II Div. 2, Groups F, G  
Cl. II, Zone 22

IECEX/ATEX  
TR-CU/EAC  
Type 3S, 4, 4X  
IP66

## Applications:

- Manufactured to meet the most demanding industrial and hazardous area environmental applications
- A globally certified enclosure and termination solution for Type 3S, 4 (painted mild steel<sup>Ⓑ</sup> and stainless steel), and 4X (stainless steel) applications
- Certified to the impact, thermal and IP66 ingress requirements of Ex standards

## Features:

- Available in a comprehensive range of sizes, each with various configurations for a multitude of applications
- Offers unique design features, precision manufacturing and the highest quality materials, making it the premier choice for instrumentation and electrical applications across the globe
- Over 100 standard sizes in both stainless steel and painted steel<sup>Ⓒ</sup>
- Single door enclosures up to 63" x 48" x 16" (1600 x 1200 x 400mm)
- Flush mount enclosures
- Eagle enclosures with a sloped water shedding design

## Certifications and compliances:

- Class I, Division 2, Groups A, B, C, D<sup>Ⓐ</sup>; Class I, Zone 1
- Class II, Division 2, Group F, G
- Class II, Zone 22
- cULus to UL50/C22.2 No. 94-M91
- UL Listed E115376 (Ordinary Location)
- Type 3S, 4 – painted mild steel<sup>Ⓑ</sup>; Type 4X/IP66 – stainless steel
- ATEX and IECEx component certificates (BAS 15ATEX0099U and IECEx BAS15.0071U)
- 2G Ex eb IIC Gb or 2D Ex tb IIIC Db
- TR-CU and EAC certified

## Standard materials and finishes:

- 1.2 mm thick enclosure – 316L (1.4404 to EN10088) stainless steel (standard); 304 (1.4301 to EN10088) stainless steel (optional)
- Enclosure finish – superior corrosion-resistant chromium enriched electro-polished surface
- Gasket – foam-in-place silicone on lid (standard); cut silicone (optional)
- Keyed lock fastening mechanism – stainless steel
- Door hinges – stainless steel
- Enclosure mounting – four external 3mm stainless steel welded lugs, 11mm Ø holes/slots
- Equipment mounting – four (up to 10 depending on size) stand-off pillars 9mm Ø, 15mm high, tapped M6 x 10, for rail/mounting plate
- Enclosure earth – M10 external and internal stainless steel earth stud assembly
- Mounting plate – 2mm sheet steel with zintec finish (available in stainless steel)
- Gland plates – rounded corners to eliminate sharp points; 3mm thickness (standard); 6mm thickness (optional)

## Technical specifications:

- Empty enclosure:
  - Standard service temperature: -55°C to +120°C
  - Extended service temperature: -60°C to +135°C (with suffix 'E')
- Impact resistance: 7 J (Nm)



## Ex-Cell-T / XL-T terminal boxes:

Ex-Cell enclosures are available assembled as custom configured and certified terminal boxes. Options include custom entries, cable glands and plugs with built-in terminals (Ex-e and Ex-i) and other equipment. Contact factory for ordering details.

### Standards:

- IEC/EN/UL/CAN 60079-0
- IEC/EN/UL/CAN 60079-7
- IEC/EN 60079-31
- IEC/EN 60529

### Certificates:

- BVS16 ATEX-E-115X
- IECEx BVS 16.0080X
- UL Listed E108296 (Hazardous Location)
- RU\_C-DE-AA87.B.00885

### Ambient temperatures<sup>Ⓒ</sup>:

- -55°C to +40°C (with temperature class T6 and maximum surface temperature of T80°C)
- -55°C to +55°C (with temperature class T5 and maximum surface temperature of T95°C)
- -55°C to +55/80/100/110°C (with temperature class T4 and surface temperature of T135°C)
- -60°C to +80/100/110°C (with temperature class T4 and surface temperature of T135°C) – requires suffix 'E' extended temperature version)

### Materials:

- 316L electro-polished stainless steel (standard); 304 stainless steel (optional)

### Electrical ratings:

- Rated voltage up to 690V AC/DC; rated current up to 400A; terminal cross-sections up to 240mm<sup>2</sup>

### Markings:

- ATEX and IECEx: Ex eb IIC T6/5/4 Gb;  
Ex tb IIIC T80/95/130°C Db or Ex tb IIIC T80/95/130°C
- NEC 500 and NEC 505: Class I, Division 2, Groups A, B, C, D;  
Class I, Zone 1, AEx e IIC T6/5/4; Class II Division 2, Group F & G;  
Class II, Zone 22, AEx tc IIIC Dc
- EAC CU TR: 1Ex e IIC T6/T5 Gb X or Ex tb IIIC T80/95/130°C Db X

<sup>Ⓐ</sup> When terminal blocks or approved Class I, Division 2 devices are installed within the enclosure in accordance with NEC/CEC requirements. These enclosures are NOT explosionproof and will NOT contain an explosion. Installation of arcing and sparking devices which are not Class I, Division 2 rated or higher is NOT PERMITTED.

<sup>Ⓑ</sup> Painted mild steel not available with ATEX or IECEx.

<sup>Ⓒ</sup> Temperature range depends on ratings of built-in components.

\* Painted versions only available on demand.

# Ex-Cell stainless steel and painted steel enclosures

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Cl. I, Div. 2, Groups A, B, C, D<sup>①</sup>  
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Cl. II, Zone 22

IECEx/ATEX  
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IP66

## Mounting options

- Enclosure is mounted using four heavy duty, 3mm thick, surface welded stainless steel lugs
- One set of lugs are slotted for ease of mounting, providing a secure, reliable means of mounting the enclosure
- Available in vertical or horizontal configuration.

## Glanding options

- Available with up to 4 gland plates (3mm thick) on each side
- Five possible combinations of 0, 1, 2, 3 or 4 gland plates available
- Gland plates secured via riveted nutserts for improved sealing

## One-piece gasket

- High integrity one-piece silicone sealing gasket provides an IP66 rating and excellent recovery and re-sealing properties for continuous environmental protection



## Quarter turn clamp

- Standard cover features a captive quarter-turn clamp fastening mechanism that provides a rapid means of achieving an IP66 rated seal for reliable environmental protection
- Bolted cover and padlockable cover also available

## Earth/ground stud assembly

- External and internal stainless steel earth/ground stud assembly enables rapid and reliable protective earth/ground connection
- Mounted on the side of the enclosure for ease of access

## Integral drainage channel

- Integral drainage channel prevents liquids or other solid contaminants from running in or falling into the enclosure when the door is opened
- Minimizes gasket path contamination



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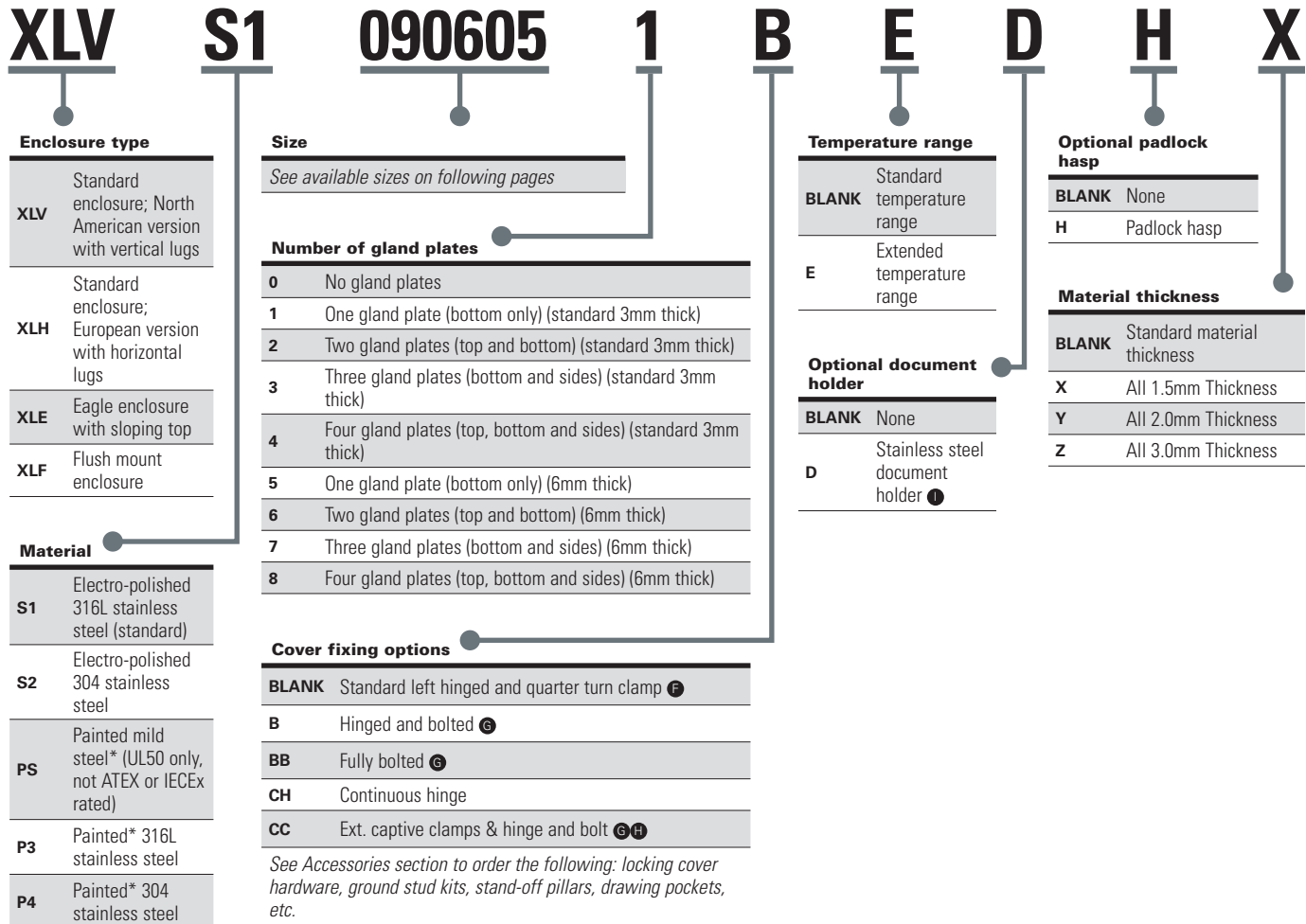
## Ordering information:

Catalog numbers on following page are for stainless steel enclosures with one gland plate.

Ex-Cell enclosures are available in a variety of materials and configurations. To customize, utilize the part number example below:

### Part number example

**XLVS10906051B**



\*Painted versions only available on demand

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<sup>Ⓕ</sup> XLV type has slot shaped quarter turn clamp; XLH type has double bit quarter turn clamp.

<sup>Ⓖ</sup> Maximum enclosure width is XLH\*\*\*\*50 or XLV\*\*\*\*20 for this option.

<sup>ⓓ</sup> 'CC' option only available on one and two gland plates enclosures.

<sup>ⓓ</sup> Not available on enclosures where the width is equal to 203mm (8") and smaller.

# Ex-Cell stainless steel and painted steel enclosures

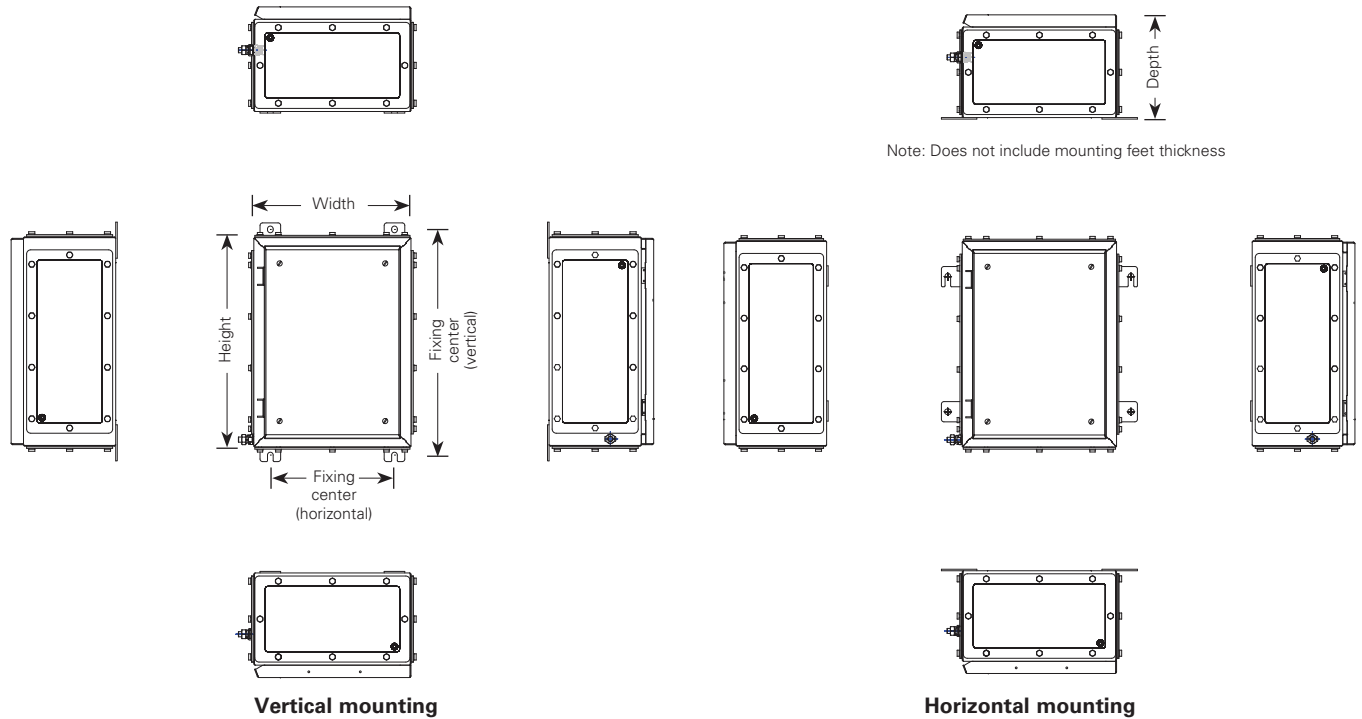
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## Mounting information:

(See Ordering information section for dimensions)



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Cl. II, Zone 22

IECEx/ATEX  
TR-CU/EAC  
Type 3S, 4, 4X  
IP66

## Ordering information (continued):

### XLV enclosures with vertical mounting feet

| Enclosure size<br>(H x W x D) (in.) | Cat. #       | Fixing center vertical<br>(in.) | Fixing center horizontal<br>(in.) | Cat. #<br>Mounting plate <sup>Ⓣ</sup><br>(zinc coated steel) |
|-------------------------------------|--------------|---------------------------------|-----------------------------------|--------------------------------------------------------------|
| 9 x 6 x 5                           | XLVS10906051 | 10.24                           | 3.50                              | XLH2TMP2315                                                  |
| 10 x 8 x 4                          | XLVS11008041 | 11.41                           | 5.50                              | XLH2TMP2620                                                  |
| 10 x 8 x 6                          | XLVS11008061 | 11.41                           | 5.50                              | XLH2TMP2620                                                  |
| 10 x 10 x 6                         | XLVS11010061 | 11.41                           | 7.67                              | XLH2TMP2626                                                  |
| 12 x 10 x 5                         | XLVS11210051 | 13.23                           | 7.67                              | XLH2TMP3026                                                  |
| 12 x 8 x 6                          | XLVS11208061 | 13.23                           | 5.50                              | XLH2TMP3020                                                  |
| 12 x 10 x 6                         | XLVS11210061 | 13.23                           | 7.67                              | XLH2TMP3026                                                  |
| 12 x 12 x 6                         | XLVS11212061 | 13.23                           | 9.49                              | XLH2TMP3030                                                  |
| 12 x 12 x 8                         | XLVS11212081 | 13.23                           | 9.49                              | XLH2TMP3030                                                  |
| 12 x 12 x 10                        | XLVS11212101 | 13.23                           | 9.49                              | XLH2TMP3030                                                  |
| 16 x 12 x 6                         | XLVS11612061 | 17.25                           | 9.49                              | XLH2TMP4030                                                  |
| 16 x 12 x 8                         | XLVS11612081 | 17.25                           | 9.49                              | XLH2TMP4030                                                  |
| 16 x 12 x 10                        | XLVS11612101 | 17.25                           | 9.49                              | XLH2TMP4030                                                  |
| 16 x 14 x 8                         | XLVS11614081 | 17.25                           | 11.46                             | XLH2TMP4035                                                  |
| 16 x 16 x 6                         | XLVS11616061 | 17.25                           | 10.00                             | XLH2TMP4040                                                  |
| 16 x 16 x 8                         | XLVS11616081 | 17.25                           | 10.00                             | XLH2TMP4040                                                  |
| 16 x 16 x 10                        | XLVS11616101 | 17.25                           | 10.00                             | XLH2TMP4040                                                  |
| 16 x 16 x 12                        | XLVS11616121 | 17.25                           | 10.00                             | XLH2TMP4040                                                  |
| 16 x 20 x 6                         | XLVS11620061 | 17.25                           | 14.00                             | XLH2TMP4050                                                  |
| 16 x 20 x 8                         | XLVS11620081 | 17.25                           | 14.00                             | XLH2TMP4050                                                  |
| 16 x 20 x 10                        | XLVS11620101 | 17.25                           | 14.00                             | XLH2TMP4050                                                  |
| 16 x 20 x 12                        | XLVS11620121 | 17.25                           | 14.00                             | XLH2TMP4050                                                  |
| 20 x 16 x 6                         | XLVS12016061 | 21.26                           | 10.00                             | XLH2TMP5040                                                  |
| 20 x 16 x 8                         | XLVS12016081 | 21.26                           | 10.00                             | XLH2TMP5040                                                  |
| 20 x 16 x 10                        | XLVS12016101 | 21.26                           | 10.00                             | XLH2TMP5040                                                  |
| 20 x 16 x 12                        | XLVS12016121 | 21.26                           | 10.00                             | XLH2TMP5040                                                  |
| 20 x 20 x 6                         | XLVS12020061 | 21.26                           | 14.00                             | XLH2TMP5050                                                  |
| 20 x 20 x 8                         | XLVS12020081 | 21.26                           | 14.00                             | XLH2TMP5050                                                  |
| 20 x 20 x 10                        | XLVS12020101 | 21.26                           | 14.00                             | XLH2TMP5050                                                  |
| 20 x 20 x 12                        | XLVS12020121 | 21.26                           | 14.00                             | XLH2TMP5050                                                  |
| 20 x 24 x 8                         | XLVS12024081 | 21.26                           | 18.00                             | XLH2TMP5060                                                  |
| 20 x 24 x 10                        | XLVS12024101 | 21.26                           | 18.00                             | XLH2TMP5060                                                  |
| 20 x 24 x 12                        | XLVS12024121 | 21.26                           | 18.00                             | XLH2TMP5060                                                  |
| 24 x 16 x 6                         | XLVS12416061 | 25.24                           | 10.00                             | XLH2TMP6040                                                  |
| 24 x 16 x 8                         | XLVS12416081 | 25.24                           | 10.00                             | XLH2TMP6040                                                  |
| 24 x 16 x 10                        | XLVS12416101 | 25.24                           | 10.00                             | XLH2TMP6040                                                  |
| 24 x 16 x 12                        | XLVS12416121 | 25.24                           | 10.00                             | XLH2TMP6040                                                  |
| 24 x 20 x 6                         | XLVS12420061 | 25.24                           | 14.00                             | XLH2TMP6050                                                  |
| 24 x 20 x 8                         | XLVS12420081 | 25.24                           | 14.00                             | XLH2TMP6050                                                  |
| 24 x 20 x 10                        | XLVS12420101 | 25.24                           | 14.00                             | XLH2TMP6050                                                  |
| 24 x 20 x 12                        | XLVS12420121 | 25.24                           | 14.00                             | XLH2TMP6050                                                  |
| 24 x 24 x 6                         | XLVS12424061 | 25.24                           | 18.00                             | XLH2TMP6060                                                  |
| 24 x 24 x 8                         | XLVS12424081 | 25.24                           | 18.00                             | XLH2TMP6060                                                  |
| 24 x 24 x 10                        | XLVS12424101 | 25.24                           | 18.00                             | XLH2TMP6060                                                  |
| 24 x 24 x 12                        | XLVS12424121 | 25.24                           | 18.00                             | XLH2TMP6060                                                  |
| 24 x 24 x 16                        | XLVS12424161 | 25.24                           | 18.00                             | XLH2TMP6060                                                  |
| 24 x 30 x 8                         | XLVS12430081 | 25.24                           | 24.00                             | XLH2TMP6076                                                  |
| 24 x 30 x 10                        | XLVS12430101 | 25.24                           | 24.00                             | XLH2TMP6076                                                  |
| 24 x 30 x 12                        | XLVS12430121 | 25.24                           | 24.00                             | XLH2TMP6076                                                  |
| 24 x 30 x 16                        | XLVS12430161 | 25.24                           | 24.00                             | XLH2TMP6076                                                  |
| 30 x 20 x 8                         | XLVS13020081 | 31.26                           | 14.00                             | XLH2TMP7650                                                  |
| 30 x 20 x 10                        | XLVS13020101 | 31.26                           | 14.00                             | XLH2TMP7650                                                  |
| 30 x 20 x 12                        | XLVS13020121 | 31.26                           | 14.00                             | XLH2TMP7650                                                  |
| 30 x 24 x 8                         | XLVS13024081 | 31.26                           | 18.00                             | XLH2TMP7660                                                  |
| 30 x 24 x 10                        | XLVS13024101 | 31.26                           | 18.00                             | XLH2TMP7660                                                  |
| 30 x 24 x 12                        | XLVS13024121 | 31.26                           | 18.00                             | XLH2TMP7660                                                  |
| 30 x 24 x 16                        | XLVS13024161 | 31.26                           | 18.00                             | XLH2TMP7660                                                  |
| 30 x 30 x 8                         | XLVS13030081 | 31.26                           | 24.00                             | XLH2TMP7676                                                  |
| 30 x 30 x 10                        | XLVS13030101 | 31.26                           | 24.00                             | XLH2TMP7676                                                  |
| 30 x 30 x 12                        | XLVS13030121 | 31.26                           | 24.00                             | XLH2TMP7676                                                  |
| 30 x 30 x 16                        | XLVS13030161 | 31.26                           | 24.00                             | XLH2TMP7676                                                  |

Ⓢ When terminal blocks or approved Class I, Division 2 devices are installed within the enclosure in accordance with NEC/CEC requirements. These enclosures are NOT explosionproof and will NOT contain an explosion. Installation of arcing and sparking devices which are not Class I, Division 2 rated or higher is NOT PERMITTED.

Ⓣ Fits enclosures with both vertical or horizontal mounting feet. For stainless steel or painted steel mounting plates, contact factory.



# Ex-Cell stainless steel and painted steel enclosures

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Cl. I, Zone 1  
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Cl. II, Zone 22

IECEx/ATEX  
TR-CU/EAC  
Type 3S, 4, 4X  
IP66

## Ordering information (continued):

### XLV enclosures with vertical mounting feet (continued)

| Enclosure size<br>(H x W x D) (in.) | Cat. #       | Fixing center vertical<br>(in.) | Fixing center horizontal<br>(in.) | Cat. #<br>Mounting plate <sup>Ⓜ</sup><br>(zinc coated steel) |
|-------------------------------------|--------------|---------------------------------|-----------------------------------|--------------------------------------------------------------|
| 32 x 24 x 8                         | XLVS13224081 | 33.11                           | 18.00                             | XLH2TMP8060                                                  |
| 32 x 24 x 10                        | XLVS13224101 | 33.11                           | 18.00                             | XLH2TMP8060                                                  |
| 32 x 24 x 12                        | XLVS13224121 | 33.11                           | 18.00                             | XLH2TMP8060                                                  |
| 32 x 24 x 16                        | XLVS13224161 | 33.11                           | 18.00                             | XLH2TMP8060                                                  |
| 32 x 32 x 8                         | XLVS13232081 | 33.11                           | 27.56                             | XLH2TMP8080                                                  |
| 32 x 32 x 10                        | XLVS13232101 | 33.11                           | 27.56                             | XLH2TMP8080                                                  |
| 32 x 32 x 12                        | XLVS13232121 | 33.11                           | 27.55                             | XLH2TMP8080                                                  |
| 32 x 32 x 16                        | XLVS13232161 | 33.11                           | 27.56                             | XLH2TMP8080                                                  |
| 36 x 24 x 8                         | XLVS13624081 | 37.25                           | 18.00                             | XLH2TMP9060                                                  |
| 36 x 24 x 10                        | XLVS13624101 | 37.25                           | 18.00                             | XLH2TMP9060                                                  |
| 36 x 24 x 12                        | XLVS13624121 | 37.25                           | 18.00                             | XLH2TMP9060                                                  |
| 36 x 24 x 16                        | XLVS13624161 | 37.25                           | 18.00                             | XLH2TMP9060                                                  |
| 36 x 30 x 8                         | XLVS13630081 | 37.25                           | 24.00                             | XLH2TMP9076                                                  |
| 36 x 30 x 10                        | XLVS13630101 | 37.25                           | 24.00                             | XLH2TMP9076                                                  |
| 36 x 30 x 12                        | XLVS13630121 | 37.25                           | 24.00                             | XLH2TMP9076                                                  |
| 36 x 30 x 16                        | XLVS13630161 | 37.25                           | 24.00                             | XLH2TMP9076                                                  |
| 36 x 36 x 8                         | XLVS13636081 | 37.25                           | 30.00                             | XLH2TMP9090                                                  |
| 36 x 36 x 10                        | XLVS13636101 | 37.25                           | 30.00                             | XLH2TMP9090                                                  |
| 36 x 36 x 12                        | XLVS13636121 | 37.25                           | 30.00                             | XLH2TMP9090                                                  |
| 36 x 36 x 16                        | XLVS13636161 | 37.25                           | 30.00                             | XLH2TMP9090                                                  |
| 40 x 24 x 8                         | XLVS14024081 | 40.95                           | 18.00                             | XLH2TMP10060                                                 |
| 40 x 24 x 10                        | XLVS14024101 | 40.95                           | 18.00                             | XLH2TMP10060                                                 |
| 40 x 24 x 12                        | XLVS14024121 | 40.95                           | 18.00                             | XLH2TMP10060                                                 |
| 40 x 24 x 16                        | XLVS14024161 | 40.95                           | 18.00                             | XLH2TMP10060                                                 |
| 40 x 32 x 8                         | XLVS14032081 | 40.95                           | 27.56                             | XLH2TMP10080                                                 |
| 40 x 32 x 10                        | XLVS14032101 | 40.95                           | 27.56                             | XLH2TMP10080                                                 |
| 40 x 32 x 12                        | XLVS14032121 | 40.95                           | 27.56                             | XLH2TMP10080                                                 |
| 40 x 32 x 16                        | XLVS14032161 | 40.95                           | 27.56                             | XLH2TMP10080                                                 |
| 40 x 40 x 8                         | XLVS14040081 | 40.95                           | 35.43                             | XLH2TMP100100                                                |
| 40 x 40 x 10                        | XLVS14040101 | 40.95                           | 35.43                             | XLH2TMP100100                                                |
| 40 x 40 x 12                        | XLVS14040121 | 40.95                           | 35.43                             | XLH2TMP100100                                                |
| 40 x 40 x 16                        | XLVS14040161 | 40.95                           | 35.43                             | XLH2TMP100100                                                |
| 48 x 24 x 10                        | XLVS14824101 | 48.81                           | 18.00                             | XLH2TMP12060                                                 |
| 48 x 24 x 12                        | XLVS14824121 | 48.81                           | 18.00                             | XLH2TMP12060                                                 |
| 48 x 24 x 16                        | XLVS14824161 | 48.81                           | 18.00                             | XLH2TMP12060                                                 |
| 48 x 32 x 10                        | XLVS14832101 | 48.81                           | 27.55                             | XLH2TMP12080                                                 |
| 48 x 32 x 12                        | XLVS14832121 | 48.81                           | 27.55                             | XLH2TMP12080                                                 |
| 48 x 32 x 16                        | XLVS14832161 | 48.81                           | 27.56                             | XLH2TMP12080                                                 |
| 48 x 36 x 10                        | XLVS14836101 | 48.81                           | 30.00                             | XLH2TMP12090                                                 |
| 48 x 36 x 12                        | XLVS14836121 | 48.81                           | 30.00                             | XLH2TMP12090                                                 |
| 48 x 36 x 16                        | XLVS14836161 | 48.81                           | 30.00                             | XLH2TMP12090                                                 |
| 48 x 40 x 12                        | XLVS14840121 | 48.81                           | 35.43                             | XLH2TMP120100                                                |
| 48 x 40 x 16                        | XLVS14840161 | 48.81                           | 35.43                             | XLH2TMP120100                                                |
| 48 x 48 x 12                        | XLVS14848121 | 48.81                           | 43.30                             | XLH2TMP120120                                                |
| 48 x 48 x 16                        | XLVS14848161 | 48.81                           | 43.30                             | XLH2TMP120120                                                |
| 60 x 36 x 12                        | XLVS16036121 | 61.57                           | 30.00                             | XLH2TMP15290                                                 |
| 60 x 36 x 16                        | XLVS16036161 | 61.57                           | 30.00                             | XLH2TMP15290                                                 |
| 63 x 48 x 16                        | XLVS16348161 | 63.82                           | 43.30                             | XLH2TMP160120                                                |

<sup>Ⓜ</sup> When terminal blocks or approved Class I, Division 2 devices are installed within the enclosure in accordance with NEC/CEC requirements. These enclosures are NOT explosionproof and will NOT contain an explosion. Installation of arcing and sparking devices which are not Class I, Division 2 rated or higher is NOT PERMITTED.

<sup>Ⓜ</sup> Fits enclosures with both vertical or horizontal mounting feet. For stainless steel or painted steel mounting plates, contact factory.

# Ex-Cell stainless steel and painted steel enclosures

High performance, high reliability enclosures for global applications

Cl. I, Div. 2, Groups A, B, C, D<sup>①</sup>  
Cl. I, Zone 1  
Cl. II Div. 2, Groups F, G  
Cl. II, Zone 22

IECEx/ATEX  
TR-CU/EAC  
Type 3S, 4, 4X  
IP66

## Ordering information (continued):

### XLH enclosures with horizontal mounting feet

| Enclosure size<br>(H x W x D) (mm) | Cat. #       | Fixing center vertical<br>(mm) | Fixing center horizontal<br>(mm) | Cat. #<br>Mounting plate <sup>②</sup><br>(zinc coated steel) |
|------------------------------------|--------------|--------------------------------|----------------------------------|--------------------------------------------------------------|
| 229 x 152 x 127                    | XLHS12315131 | 152                            | 208                              | XLHZTMP2315                                                  |
| 260 x 203 x 100                    | XLHS12620101 | 170                            | 259                              | XLHZTMP2620                                                  |
| 260 x 203 x 152                    | XLHS12620151 | 170                            | 259                              | XLHZTMP2620                                                  |
| 260 x 260 x 152                    | XLHS12626151 | 170                            | 316                              | XLHZTMP2626                                                  |
| 305 x 260 x 127                    | XLHS13026131 | 203                            | 316                              | XLHZTMP3026                                                  |
| 305 x 203 x 152                    | XLHS13020151 | 203                            | 259                              | XLHZTMP3020                                                  |
| 305 x 260 x 152                    | XLHS13026151 | 203                            | 316                              | XLHZTMP3026                                                  |
| 305 x 305 x 152                    | XLHS13030151 | 203                            | 361                              | XLHZTMP3030                                                  |
| 305 x 305 x 203                    | XLHS13030201 | 203                            | 361                              | XLHZTMP3030                                                  |
| 305 x 305 x 254                    | XLHS13030251 | 203                            | 361                              | XLHZTMP3030                                                  |
| 406 x 305 x 152                    | XLHS14030151 | 267                            | 361                              | XLHZTMP4030                                                  |
| 406 x 305 x 203                    | XLHS14030201 | 267                            | 361                              | XLHZTMP4030                                                  |
| 406 x 305 x 254                    | XLHS14030251 | 267                            | 361                              | XLHZTMP4030                                                  |
| 406 x 355 x 203                    | XLHS14035201 | 267                            | 386                              | XLHZTMP4035                                                  |
| 406 x 406 x 152                    | XLHS14040151 | 267                            | 462                              | XLHZTMP4040                                                  |
| 406 x 406 x 203                    | XLHS14040201 | 267                            | 462                              | XLHZTMP4040                                                  |
| 406 x 406 x 254                    | XLHS14040251 | 267                            | 462                              | XLHZTMP4040                                                  |
| 406 x 406 x 300                    | XLHS14040301 | 267                            | 462                              | XLHZTMP4040                                                  |
| 406 x 508 x 152                    | XLHS14050151 | 267                            | 564                              | XLHZTMP4050                                                  |
| 406 x 508 x 203                    | XLHS14050201 | 267                            | 564                              | XLHZTMP4050                                                  |
| 406 x 508 x 254                    | XLHS14050251 | 267                            | 564                              | XLHZTMP4050                                                  |
| 406 x 508 x 300                    | XLHS14050301 | 267                            | 564                              | XLHZTMP4050                                                  |
| 508 x 406 x 152                    | XLHS15040151 | 354                            | 462                              | XLHZTMP5040                                                  |
| 508 x 406 x 203                    | XLHS15040201 | 354                            | 462                              | XLHZTMP5040                                                  |
| 508 x 406 x 254                    | XLHS15040251 | 354                            | 462                              | XLHZTMP5040                                                  |
| 508 x 406 x 300                    | XLHS15040351 | 354                            | 462                              | XLHZTMP5040                                                  |
| 508 x 508 x 152                    | XLHS15050151 | 354                            | 564                              | XLHZTMP5050                                                  |
| 508 x 508 x 203                    | XLHS15050201 | 354                            | 564                              | XLHZTMP5050                                                  |
| 508 x 508 x 254                    | XLHS15050251 | 354                            | 564                              | XLHZTMP5050                                                  |
| 508 x 508 x 300                    | XLHS15050301 | 354                            | 564                              | XLHZTMP5050                                                  |
| 508 x 610 x 203                    | XLHS15060201 | 354                            | 666                              | XLHZTMP5060                                                  |
| 508 x 610 x 254                    | XLHS15060251 | 354                            | 666                              | XLHZTMP5060                                                  |
| 508 x 610 x 300                    | XLHS15060301 | 354                            | 666                              | XLHZTMP5060                                                  |
| 610 x 406 x 152                    | XLHS16040151 | 445                            | 462                              | XLHZTMP6040                                                  |
| 610 x 406 x 203                    | XLHS16040201 | 445                            | 462                              | XLHZTMP6040                                                  |
| 610 x 406 x 254                    | XLHS16040251 | 445                            | 462                              | XLHZTMP6040                                                  |
| 610 x 406 x 300                    | XLHS16040301 | 445                            | 462                              | XLHZTMP6040                                                  |
| 610 x 508 x 152                    | XLHS16050151 | 445                            | 564                              | XLHZTMP6050                                                  |
| 610 x 508 x 203                    | XLHS16050201 | 445                            | 564                              | XLHZTMP6050                                                  |
| 610 x 508 x 254                    | XLHS16050251 | 445                            | 564                              | XLHZTMP6050                                                  |
| 610 x 508 x 300                    | XLHS16050301 | 445                            | 564                              | XLHZTMP6050                                                  |
| 610 x 610 x 152                    | XLHS16060151 | 445                            | 666                              | XLHZTMP6060                                                  |
| 610 x 610 x 203                    | XLHS16060201 | 445                            | 666                              | XLHZTMP6060                                                  |
| 610 x 610 x 254                    | XLHS16060251 | 445                            | 666                              | XLHZTMP6060                                                  |
| 610 x 610 x 300                    | XLHS16060301 | 445                            | 666                              | XLHZTMP6060                                                  |
| 610 x 610 x 400                    | XLHS16060401 | 445                            | 666                              | XLHZTMP6060                                                  |
| 610 x 762 x 203                    | XLHS16076201 | 456                            | 818                              | XLHZTMP6076                                                  |
| 610 x 762 x 254                    | XLHS16076251 | 456                            | 818                              | XLHZTMP6076                                                  |
| 610 x 762 x 300                    | XLHS16076301 | 456                            | 818                              | XLHZTMP6076                                                  |
| 610 x 762 x 400                    | XLHS16176401 | 456                            | 818                              | XLHZTMP6076                                                  |
| 762 x 508 x 203                    | XLHS17650201 | 608                            | 563                              | XLHZTMP7650                                                  |
| 762 x 508 x 254                    | XLHS17650251 | 608                            | 563                              | XLHZTMP7650                                                  |
| 762 x 508 x 300                    | XLHS17650301 | 608                            | 563                              | XLHZTMP7650                                                  |
| 762 x 610 x 203                    | XLHS17660201 | 608                            | 665                              | XLHZTMP7660                                                  |
| 762 x 610 x 254                    | XLHS17660251 | 608                            | 665                              | XLHZTMP7660                                                  |
| 762 x 610 x 300                    | XLHS17660301 | 608                            | 665                              | XLHZTMP7660                                                  |
| 762 x 610 x 400                    | XLHS17660401 | 608                            | 665                              | XLHZTMP7660                                                  |
| 762 x 762 x 203                    | XLHS17676201 | 608                            | 818                              | XLHZTMP7676                                                  |
| 762 x 762 x 254                    | XLHS17676251 | 608                            | 818                              | XLHZTMP7676                                                  |
| 762 x 762 x 300                    | XLHS17676301 | 608                            | 818                              | XLHZTMP7676                                                  |
| 762 x 762 x 400                    | XLHS17676401 | 608                            | 818                              | XLHZTMP7676                                                  |

① When terminal blocks or approved Class I, Division 2 devices are installed within the enclosure in accordance with NEC/CEC requirements. These enclosures are NOT explosionproof and will NOT contain an explosion. Installation of arcing and sparking devices which are not Class I, Division 2 rated or higher is NOT PERMITTED.

② Fits enclosures with both vertical or horizontal mounting feet. For stainless steel or painted steel mounting plates, contact factory.

# Ex-Cell stainless steel and painted steel enclosures

High performance, high reliability enclosures for global applications

Cl. I, Div. 2, Groups A, B, C, D<sup>①</sup>  
Cl. I, Zone 1  
Cl. II Div. 2, Groups F, G  
Cl. II, Zone 22

IECEx/ATEX  
TR-CU/EAC  
Type 3S, 4, 4X  
IP66

## Ordering information (continued):

### XLH enclosures with horizontal mounting feet (continued)

| Enclosure size<br>(H x W x D) (mm) | Cat. #         | Fixing center vertical<br>(mm) | Fixing center horizontal<br>(mm) | Cat. #<br>Mounting plate <sup>②</sup><br>(zinc coated steel) |
|------------------------------------|----------------|--------------------------------|----------------------------------|--------------------------------------------------------------|
| 800 x 610 x 203                    | XLHS18060201   | 500                            | 655                              | XLHZTMP8060                                                  |
| 800 x 610 x 250                    | XLHS18060251   | 500                            | 655                              | XLHZTMP8060                                                  |
| 800 x 610 x 300                    | XLHS18060301   | 500                            | 655                              | XLHZTMP8060                                                  |
| 800 x 610 x 400                    | XLHS18060401   | 500                            | 665                              | XLHZTMP8060                                                  |
| 800 x 800 x 203                    | XLHS18080201   | 500                            | 856                              | XLHZTMP8080                                                  |
| 800 x 800 x 250                    | XLHS18080251   | 500                            | 856                              | XLHZTMP8080                                                  |
| 800 x 800 x 300                    | XLHS18080301   | 500                            | 856                              | XLHZTMP8080                                                  |
| 800 x 800 x 400                    | XLHS18080401   | 500                            | 856                              | XLHZTMP8080                                                  |
| 914 x 610 x 203                    | XLHS19060201   | 650                            | 665                              | XLHZTMP9060                                                  |
| 914 x 610 x 250                    | XLHS19060251   | 650                            | 665                              | XLHZTMP9060                                                  |
| 914 x 610 x 300                    | XLHS19060301   | 650                            | 665                              | XLHZTMP9060                                                  |
| 914 x 610 x 400                    | XLHS19060401   | 650                            | 666                              | XLHZTMP9060                                                  |
| 914 x 762 x 203                    | XLHS19076201   | 650                            | 818                              | XLHZTMP9076                                                  |
| 914 x 762 x 250                    | XLHS19076251   | 650                            | 818                              | XLHZTMP9076                                                  |
| 914 x 762 x 300                    | XLHS19076301   | 650                            | 818                              | XLHZTMP9076                                                  |
| 914 x 762 x 400                    | XLHS19076401   | 650                            | 818                              | XLHZTMP9076                                                  |
| 914 x 914 x 203                    | XLHS19090201   | 650                            | 970                              | XLHZTMP9090                                                  |
| 914 x 914 x 250                    | XLHS19090251   | 650                            | 970                              | XLHZTMP9090                                                  |
| 914 x 914 x 300                    | XLHS19090301   | 650                            | 970                              | XLHZTMP9090                                                  |
| 914 x 914 x 400                    | XLHS19090401   | 650                            | 970                              | XLHZTMP9090                                                  |
| 1000 x 610 x 203                   | XLHS110060201  | 700                            | 665                              | XLHZTMP10060                                                 |
| 1000 x 610 x 250                   | XLHS110060251  | 700                            | 665                              | XLHZTMP10060                                                 |
| 1000 x 610 x 300                   | XLHS110060301  | 700                            | 665                              | XLHZTMP10060                                                 |
| 1000 x 610 x 400                   | XLHS110060401  | 700                            | 665                              | XLHZTMP10060                                                 |
| 1000 x 800 x 203                   | XLHS11008020   | 700                            | 856                              | XLHZTMP10080                                                 |
| 1000 x 800 x 250                   | XLHS110080251  | 700                            | 856                              | XLHZTMP10080                                                 |
| 1000 x 800 x 300                   | XLHS110080301  | 700                            | 856                              | XLHZTMP10080                                                 |
| 1000 x 800 x 400                   | XLHS110080401  | 700                            | 856                              | XLHZTMP10080                                                 |
| 1000 x 1000 x 203                  | XLHS110010020  | 700                            | 1056                             | XLHZTMP100100                                                |
| 1000 x 1000 x 250                  | XLHS1100100251 | 700                            | 1056                             | XLHZTMP100100                                                |
| 1000 x 1000 x 300                  | XLHS1100100301 | 700                            | 1056                             | XLHZTMP100100                                                |
| 1000 x 1000 x 400                  | XLHS1100100401 | 700                            | 1056                             | XLHZTMP100100                                                |
| 1200 x 610 x 250                   | XLHS112060251  | 800                            | 665                              | XLHZTMP12060                                                 |
| 1200 x 610 x 300                   | XLHS112060301  | 800                            | 665                              | XLHZTMP12060                                                 |
| 1200 x 610 x 400                   | XLHS112060401  | 900                            | 665                              | XLHZTMP12060                                                 |
| 1200 x 800 x 250                   | XLHS112080251  | 800                            | 856                              | XLHZTMP12080                                                 |
| 1200 x 800 x 300                   | XLHS112080301  | 800                            | 856                              | XLHZTMP12080                                                 |
| 1200 x 800 x 400                   | XLHS112080401  | 900                            | 856                              | XLHZTMP12080                                                 |
| 1200 x 914 x 250                   | XLHS112090251  | 800                            | 970                              | XLHZTMP12090                                                 |
| 1200 x 914 x 300                   | XLHS112090301  | 800                            | 970                              | XLHZTMP12090                                                 |
| 1200 x 914 x 400                   | XLHS112090401  | 900                            | 970                              | XLHZTMP12090                                                 |
| 1200 x 1000 x 300                  | XLHS1120100301 | 800                            | 1056                             | XLHZTMP120100                                                |
| 1200 x 1000 x 400                  | XLHS1120100401 | 900                            | 1056                             | XLHZTMP120100                                                |
| 1200 x 1200 x 300                  | XLHS1120120301 | 800                            | 1256                             | XLHZTMP120120                                                |
| 1200 x 1200 x 400                  | XLHS1120120401 | 900                            | 1256                             | XLHZTMP120120                                                |
| 1524 x 914 x 300                   | XLHS115290301  | 1100                           | 970                              | XLHZTMP15290                                                 |
| 1524 x 914 x 400                   | XLHS115290401  | 1100                           | 970                              | XLHZTMP15290                                                 |
| 1600 x 1200 x 400                  | XLHS1160120401 | 1100                           | 1256                             | XLHZTMP160120                                                |

① When terminal blocks or approved Class I, Division 2 devices are installed within the enclosure in accordance with NEC/CEC requirements. These enclosures are NOT explosionproof and will NOT contain an explosion. Installation of arcing and sparking devices which are not Class I, Division 2 rated or higher is NOT PERMITTED.

② Fits enclosures with both vertical or horizontal mounting feet. For stainless steel or painted steel mounting plates, contact factory.

# Ex-Cell stainless steel enclosures

High performance, high reliability enclosures for global applications

Cl. I, Div. 2, Groups A, B, C, D  
Cl. I, Zone 1  
Cl. II Div. 2, Groups F, G  
Cl. II, Zone 22

IECEX/ATEX  
TR-CU/EAC  
Type 3S, 4, 4X  
IP66

## Options:

(Available with Ex-Cell standard and large enclosures only)

**Padlockable hasp (to order, add suffix 'H' to end of catalog number):**

- Provides a secondary means of security and safety
- Manufactured from the same material grade as the enclosure

## Drawing pockets:

- Stainless steel holders for engineering drawings can be installed at the factory (to order, add suffix 'D' to end of catalog number)
- Plastic document holders may be ordered separately:
  - Catalog number: **SHS953324** (A4/letter size orange plastic, self-adhesive) <sup>①</sup>
  - Catalog number: **SHS953325** (A5 clear plastic) <sup>①</sup>
  - Catalog number: **SHS953326** (A6 transparent plastic bonded) <sup>②</sup>
- Custom stainless steel options available (contact factory)

## Extended temperature range silicone gasket:

- Provides a service temperature of -60°C to +135°C
- To order, add suffix 'E' to end of catalog number

## Sun shield and rain/deluge canopy (contact factory):

- Can be retrofitted to the enclosure as required using existing fixing positions

## ID tag – label and bracket (contact factory):

- Provides an effective solution for labeling enclosure assemblies with ID tag labels

## Continuous hinge (to order, add suffix 'CH' to end of catalog number):

- Maintains door alignment by distributing open and close force along the entire length of the door
- Provides greater strength and support for larger door
- Removable pin allows cover to be easily removed from enclosure
- Not available with painted finish
- Not available with UL certification

## Mounting plates (sub-plates):

- Zinc coated steel mounting plates are standard (see catalog numbers on previous pages)
- Stainless steel or painted steel mounting plates are available (contact factory)

## Captive cover clamps:

- Available with stainless steel captive cover clamps (to order, add suffix 'CC' to end of catalog number)

## Tag label holder:

- Available (contact factory)

## Accessories (ordered separately):

### Cover hardware

| Cat. #   | Type (see images at right)      |
|----------|---------------------------------|
| ENXL0011 | Slot shape captive clamps       |
| ENXL0010 | Double bit shape captive clamps |

### Ground stud kit

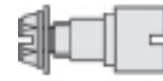
| Cat. #    | Type                |
|-----------|---------------------|
| ENK10738P | M10 stainless steel |

### Stand-off pillars

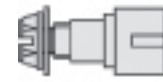
| Cat. #   | Type | Inches |
|----------|------|--------|
| ACCSOP15 | SP15 | 0.60   |
| ACCSOP20 | SP20 | 0.80   |
| ACCSOP30 | SP30 | 1.20   |

### Breather/drains

| Cat. # | Type                                          |
|--------|-----------------------------------------------|
| BD3S1  | M20 Ex e IP66 stainless steel (Raxton CV)     |
| BD3NP  | M20 Ex e IP66 nickel-plated brass (Raxton CV) |



Slot shape (standard with XLV)



Double bit shape (standard with XLH)



Stand-off pillars

<sup>⑤</sup> When terminal blocks or approved Class I, Division 2 devices are installed within the enclosure in accordance with NEC/CEC requirements. These enclosures are NOT explosionproof and will NOT contain an explosion. Installation of arcing and sparking devices which are not Class I, Division 2 rated or higher is NOT PERMITTED.

<sup>①</sup> For sizes 406 x 406mm (16" x 16") and larger.

<sup>②</sup> For sizes 406 x 305mm (16" x 12") and larger.

<sup>③</sup> For sizes 305 x 305mm (12" x 12") and larger.

<sup>④</sup> UL only, IP44.

<sup>⑤</sup> UL only, IP54.



# Ex-Cell sloped and flush mount enclosures

High performance, high reliability enclosures for global applications

Cl. I, Div. 2, Groups A, B, C, D<sup>Ⓐ</sup>  
Cl. I, Zone 1  
Cl. II Div. 2, Groups F, G  
Cl. II, Zone 22

IECEX/ATEX  
TR-CU/EAC  
Type 3S, 4,  
4X  
IP66

## Sloped eagle enclosures

### Applications:

- Ideal for highway, DOT, transportation, pharmaceutical and telecommunications applications

### Features:

- Water shedding design for vertical mounted applications protects critical electronics and instrumentation
- Electro-polished stainless steel offers higher corrosion resistance than brushed stainless steel
- Available with 0 or 1 gland plate

### Certifications and compliances:

- Class I, Division 2, Groups A, B, C, D<sup>Ⓐ</sup>; Class I, Zone 1
- cULus to UL50/C22.2 No. 94-M91
- UL Listed E115376 (Ordinary Location)
- Type 3S, 4 – painted mild steel\*; Type 4X/ IP66 – stainless steel
- ATEX and IECEX component certificates (BAS 15ATEX0099U and IECEX BAS15.0071U)
- 2G Ex eb IIC Gb or 2D Ex tb IIIC Db
- TR-CU and EAC certified



### Ordering information:

| Imperial sizing (in.) |        |       |       | Metric sizing (mm) |        |       |       |
|-----------------------|--------|-------|-------|--------------------|--------|-------|-------|
| Cat. #                | Height | Width | Depth | Cat. #             | Height | Width | Depth |
| XLE**121208*          | 12     | 12    | 8     | XLE**303020*       | 305    | 305   | 203   |
| XLE**161208*          | 16     | 12    | 8     | XLE**403020*       | 406    | 305   | 203   |
| XLE**161608*          | 16     | 16    | 8     | XLE**404020*       | 406    | 406   | 203   |
| XLE**201608*          | 20     | 16    | 8     | XLE**504020*       | 508    | 406   | 203   |
| XLE**202008*          | 20     | 20    | 8     | XLE**505020*       | 508    | 508   | 203   |
| XLE**242008*          | 24     | 20    | 8     | XLE**605020*       | 610    | 508   | 203   |

## Flush mount enclosures

### Applications:

- Ideal for vertical mounting (wall) in a pharmaceutical or clean room application; or horizontal mounting (ceiling) in a plenum application

### Features:

- Electro-polished stainless steel offers higher corrosion resistance than brushed stainless steel

### Certifications and compliances:

- Class I, Division 2, Groups A, B, C, D<sup>Ⓐ</sup>; Class I, Zone 1
- cULus to UL50/C22.2 No. 94-M91
- UL Listed E115376 (Ordinary Location)
- Type 3S, 4 – painted mild steel\*; Type 4X/ IP66 – stainless steel
- ATEX and IECEX component certificates (BAS 15ATEX0099U and IECEX BAS15.0071U)
- 2G Ex eb IIC Gb or 2D Ex tb IIIC Db
- TR-CU and EAC certified



### Ordering information:

| Imperial sizing (in.) |        |       |       | Metric sizing (mm) |        |       |       |
|-----------------------|--------|-------|-------|--------------------|--------|-------|-------|
| Cat. #                | Height | Width | Depth | Cat. #             | Height | Width | Depth |
| XLF**0906050          | 9      | 6     | 5     | XLF**2215130       | 229    | 152   | 127   |
| XLF**1010060          | 10     | 10    | 6     | XLF**2626150       | 260    | 260   | 152   |
| XLF**1212060          | 12     | 12    | 6     | XLF**3030150       | 305    | 305   | 152   |
| XLF**1616060          | 16     | 16    | 6     | XLF**4040150       | 406    | 406   | 152   |

\*Painted versions only available on demand.

<sup>Ⓐ</sup> When terminal blocks or approved Class I, Division 2 devices are installed within the enclosure in accordance with NEC/CEC requirements. These enclosures are NOT explosionproof and will NOT contain an explosion. Installation of arcing and sparking devices which are not Class I, Division 2 rated or higher is NOT PERMITTED.

\*\*Designate material. S1 = 316L stainless steel; S2 = 304 stainless steel; PS = painted steel (UL50 only, not ATEX or IECEX rated).

\*Designate 0 or 1 gland plate.

# N-TB (NXT) enclosures

Fully removable hinged cover

Cl. I, Div. 2, Groups A, B, C, D<sup>Ⓐ</sup>  
AEx Cl. I, Zone 1  
NEMA Type 3S, 4 (painted\* and stainless steel)  
NEMA Type 4X (stainless steel)  
IP66

IECEx/ATEX  
TR-CU/EAC

## Applications:

- Available in two types of material finish, N-TB (NXT) enclosures have been designed to accommodate rail mounted terminals or other electrical components
- 316L stainless steel is recommended to give maximum protection for components in outdoor/aggressive environments

## Features:

- Twenty-eight basic sizes in five standard depths to optimize the accommodation of rail mountable terminals or components
- Fully removable hinged cover, concealed hinges provide 180° opening
- Cover mounting, two or three stainless steel captive screws on one side
- Lip on upstand increases gasket contact area, ensuring high degree of ingress protection
- Internal/external ground stud
- 40mm wide mounting lugs for assembly on standard frames
- Option of 0, 1, 2, 3 or 4 gland plates
- Optional through cover padlock hasp available

## Certifications and compliances:

**Component certificates –**  
**BVS13ATEXE014U and IECEx BVS**  
**13.0026U:**

- 2G Ex e IIC Gb or 2D Ex tb IIIC Db
- TR-CU and EAC certified
- Class I, Division 2, Groups A, B, C, D<sup>Ⓐ</sup>; Class I, Zone 1
- cULus to UL50/C22.2 No. 94-M91
- UL Listed E115376 (Ordinary Location)
- Type 3S, 4 – painted mild steel\*; Type 4X/ IP66 – stainless steel

## Factory options:

- Terminals, glands and Myers™ hubs assembled according to customer specification
- Drilled entries for cable glands fitted to customer specification
- Tapped entries on 6mm thick gland plates

## N-TB-T terminal boxes:

N-TB (NXT) enclosures are available assembled as custom configured and certified terminal boxes. Options include custom entries, cable glands and plugs with built-in terminals (Ex-e and Ex-i) and other equipment. Contact factory for ordering details.

### Standards:

- IEC/EN/UL/CAN 60079-0
- IEC/EN/UL/CAN 60079-7
- IEC/EN 60079-31
- IEC/EN 60529

### Certificates:

- BVS16 ATEX-E-099X
- IECEx BVS 16.0065X
- UL Listed E108296 (Hazardous Location)
- RU\_C-DE.AA87.B.00885

### Ambient temperatures:

- 55<sup>Ⓑ</sup>/-40<sup>Ⓒ</sup>/-35<sup>Ⓓ</sup> up to +40°C (T6 and maximum surface temperature of T80°C)
- 55<sup>Ⓑ</sup>/-40<sup>Ⓒ</sup>/-35<sup>Ⓓ</sup> up to +55°C (with temperature class T5 and maximum surface temperature of T95°C)
- 55<sup>Ⓑ</sup>/-40<sup>Ⓒ</sup>/-35<sup>Ⓓ</sup> up to +65/70/80/100/110°C (with temperature class T4 and maximum surface temperature of T120°C)

### Material:

- Terminal boxes only available in 316L stainless steel enclosures

### Electrical ratings:

- Rated voltage up to 690V AC/DC; rated current up to 400A; conductor cross-sections up to 240mm<sup>2</sup>

## Technical specifications:

| Description               | Type                                 | Specification                                                                                                                 |
|---------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Material                  |                                      | 1.5 mm thick stainless steel: 316L (1.4401) (standard); 304 (1.4301) (optional) or painted mild steel <sup>Ⓔ</sup> (optional) |
| Finish                    | Stainless steel<br>Painted           | Corrosion-resistant electro-polished surface<br>RAL 7032 (gray)                                                               |
| Gasket                    | All types                            | Foam-in-place silicone (standard); cut silicone for extended temperatures (optional)                                          |
| Cover mounting            | All types                            | Fully detachable hinged cover with 2 or 3 x M6 hexagon head captive stainless steel screws                                    |
| Grounding                 | All types                            | M10 internal/external ground stud; M6 internal ground stud on lid                                                             |
| Box mounting              | All types                            | 4 x external lugs, 0.433" (11mm) clearance holes/slots                                                                        |
| Equipment mounting        | All types                            | 2 or 4 x stand-off pillars, 0.394" (9mm) OD x 0.590" (15mm) tall, tapped M6 x 0.394" (9mm)                                    |
| Ingress protection        | All types                            | IP66 to EN/IEC 60529                                                                                                          |
| Service temperature range | No gland plates<br>With gland plates | -55°C to +120°C<br>-35°C to +120°C (optional cut silicone gasket down to -40°C)                                               |
| Impact resistance         | All types                            | Minimum 7 J (Nm) to IEC/EN 60079-0, IK 10                                                                                     |



### Markings:

- ATEX and IECEx: Ex eb IIC T6/5/4 Gb; Ex tb IIIC T80/95/120°C Db or Ex tb IIIC T80/95/120°C
- NEC 500 and NEC 505: Class I, Division 2, Groups A, B, C, D and Class I, Zone 1, Aex e IIC T6/5/4
- EAC CU TR: 1Ex e IIC T6/T5 Gb X or Ex tb IIIC T80/95/120°C Db X

**Note:** Ambient temperature range depends on ratings of built-in components and enclosure gland plate and gasket options.

\*Painted versions only available on demand.

<sup>Ⓐ</sup> When terminal blocks or approved Class I, Division 2 devices are installed within the enclosure in accordance with NEC/CEC requirements. These enclosures are NOT explosionproof and will NOT contain an explosion. Installation of arcing and sparking devices which are not Class I, Division 2 rated or higher is NOT PERMITTED.

<sup>Ⓑ</sup> -55°C ambient temperature rating only available on 0 gland plate versions.

<sup>Ⓒ</sup> Requires suffix 'E' for extended temperature cut silicone gasket on enclosures with gland plates.

<sup>Ⓓ</sup> Standard temperature rating on enclosures with gland plates.

<sup>Ⓔ</sup> UL50 only, not ATEX or IECEx rated.

# N-TB (NXT) enclosures

Cl. I, Div. 2, Groups A, B, C, D  
 AEx Cl. I, Zone 1  
 NEMA Type 3S, 4 (painted\* and stainless steel)  
 NEMA Type 4X (stainless steel)  
 IP66

IECEX/ATEX  
 TR-CU/EAC

Fully removable hinged cover

## Ordering information:

Part number example

**NXTS12626161E**

**NXT** **S1** **26** **26** **16** **1** **E**

| Material  |                                          |
|-----------|------------------------------------------|
| <b>S1</b> | Polished 316L stainless steel (standard) |
| <b>S2</b> | Polished 304 stainless steel             |
| <b>P1</b> | Decorative painted 316L stainless steel* |
| <b>PS</b> | Painted mild steel*                      |

**Height**  
 See catalog numbers on following page

**Width**  
 See catalog numbers on following page

**Depth**  
 See catalog numbers on following page

| Number of gland plates |                                                                |
|------------------------|----------------------------------------------------------------|
| <b>0</b>               | No gland plates                                                |
| <b>1</b>               | One gland plate (bottom only) (standard 3mm thick)             |
| <b>2</b>               | Two gland plates (top and bottom) (standard 3mm thick)         |
| <b>3</b>               | Three gland plates (bottom and sides) (standard 3mm thick)     |
| <b>4</b>               | Four gland plates (top, bottom and sides) (standard 3mm thick) |
| <b>5</b>               | One gland plate (bottom only) (6mm thick)                      |
| <b>6</b>               | Two gland plates (top and bottom) (6mm thick)                  |
| <b>7</b>               | Three gland plates (bottom and sides) (6mm thick)              |
| <b>8</b>               | Four gland plates (top, bottom and sides) (6mm thick)          |

**Optional padlock hasp**

|              |                              |
|--------------|------------------------------|
| <b>BLANK</b> | None                         |
| <b>H</b>     | Padlock hasp (through cover) |

**Gasket type**

|              |                          |
|--------------|--------------------------|
| <b>BLANK</b> | Standard silicone gasket |
| <b>E</b>     | Cut silicone gasket      |

**Note:** Suffix 'E' is applicable for enclosures with gland plates only. Leave blank for enclosures without gland plates.

\* Painted versions only available on demand

⚠ When terminal blocks or approved Class I, Division 2 devices are installed within the enclosure in accordance with NEC/CEC requirements. These enclosures are NOT explosionproof and will NOT contain an explosion. Installation of arcing and sparking devices which are not Class I, Division 2 rated or higher is NOT PERMITTED.

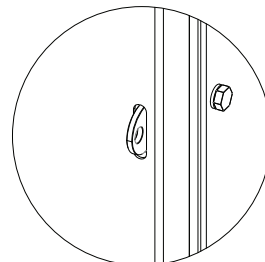
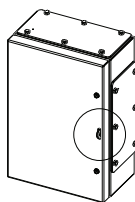
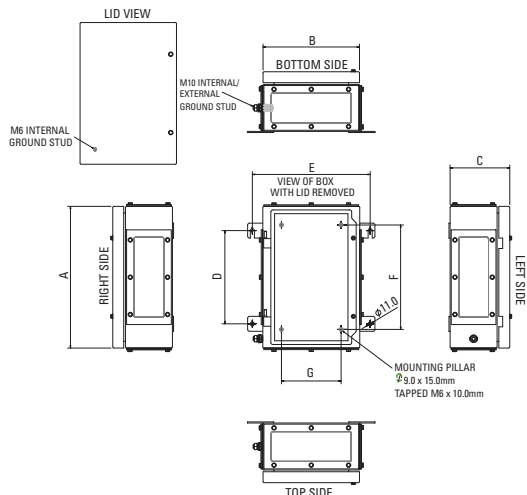
# N-TB (NXT) enclosures

Cl. I, Div. 2, Groups A, B, C, D  
 AEx Cl. I, Zone 1  
 NEMA Type 3S, 4 (painted\* and stainless steel)  
 NEMA Type 4X (stainless steel)  
 IP66

IECEx/ATEX  
 TR-CU/EAC

Fully removable hinged cover

## Dimensions and fixing centers:



Detail view – optional through lid padlock hasp (suffix 'H')

| Cat. #<br>(H, W, D) | Enclosure external dimensions |                       |                       | External fixing centers<br>dimensions |                               | Internal mounting center dimensions |                                     |                                 |                | Weight<br>lbs. (kg.) |
|---------------------|-------------------------------|-----------------------|-----------------------|---------------------------------------|-------------------------------|-------------------------------------|-------------------------------------|---------------------------------|----------------|----------------------|
|                     | Height (A)<br>in. (mm)        | Width (B)<br>in. (mm) | Depth (C)<br>in. (mm) | Vertical (D)<br>in. (mm)              | Horizontal<br>(E)<br>in. (mm) | Vertical<br>pitch (F)<br>in. (mm)   | Horizontal<br>pitch (G)<br>in. (mm) | Mounting<br>pillar<br>quantity① |                |                      |
| NXT 22 15 13        | 9.00 (229)                    | 6.00 (152)            | 5.30 (135)            | 5.98 (152)                            | 7.01 (178)Ⓢ                   | 5.00 (127)                          | N/A                                 | 2                               | 7.17 (3.25)    |                      |
| NXT 26 26 16        | 10.20 (260)                   | 10.20 (260)           | 6.30 (160)            | 6.69 (170)                            | 12.44 (316)                   | 6.30 (160)                          | 6.30 (160)                          | 4                               | 12.13 (5.50)   |                      |
| NXT 26 26 20        | 10.20 (260)                   | 10.20 (260)           | 8.10 (205)            | 6.69 (170)                            | 12.44 (316)                   | 6.30 (160)                          | 6.30 (160)                          | 4                               | 13.35 (6.06)   |                      |
| NXT 30 18 15        | 11.80 (300)                   | 7.10 (180)            | 5.90 (150)            | 6.34 (161)                            | 8.07 (205)Ⓢ                   | 7.87 (200)                          | 3.15 (80)                           | 4                               | 9.95 (4.51)    |                      |
| NXT 30 30 16        | 12.00 (306)                   | 12.00 (306)           | 6.30 (160)            | 7.99 (203)                            | 13.03 (331)Ⓢ                  | 8.11 (206)                          | 8.11 (206)                          | 4                               | 15.43 (7.00)   |                      |
| NXT 30 30 20        | 12.00 (306)                   | 12.00 (306)           | 8.10 (205)            | 7.99 (203)                            | 13.03 (331)Ⓢ                  | 8.11 (206)                          | 8.11 (206)                          | 4                               | 16.49 (7.48)   |                      |
| NXT 30 35 20        | 12.00 (306)                   | 13.80 (350)           | 8.10 (205)            | 7.99 (203)                            | 15.94 (405)                   | 8.11 (206)                          | 9.84 (250)                          | 4                               | 18.10 (8.21)   |                      |
| NXT 37 31 15        | 14.60 (370)                   | 12.20 (310)           | 5.90 (150)            | 9.09 (231)                            | 13.19 (335)Ⓢ                  | 10.63 (270)                         | 8.27 (210)                          | 4                               | 15.32 (6.95)   |                      |
| NXT 38 26 16        | 15.00 (380)                   | 10.20 (260)           | 6.30 (160)            | 9.84 (250)                            | 12.44 (316)                   | 11.02 (280)                         | 6.30 (160)                          | 4                               | 15.43 (7.00)   |                      |
| NXT 38 26 20        | 15.00 (380)                   | 10.20 (260)           | 8.10 (205)            | 9.84 (250)                            | 12.44 (316)                   | 11.02 (280)                         | 6.30 (160)                          | 4                               | 17.10 (7.76)   |                      |
| NXT 38 30 23        | 15.00 (380)                   | 11.80 (300)           | 9.20 (233)            | 9.84 (250)                            | 14.02 (356)                   | 11.02 (280)                         | 7.87 (200)                          | 4                               | 20.77 (9.42)   |                      |
| NXT 38 38 23        | 15.00 (380)                   | 15.00 (380)           | 9.20 (233)            | 9.84 (250)                            | 17.17 (436)                   | 11.02 (280)                         | 11.02 (280)                         | 4                               | 24.85 (11.27)  |                      |
| NXT 38 45 20        | 15.00 (380)                   | 17.70 (450)           | 8.10 (205)            | 9.84 (250)                            | 19.92 (506)                   | 11.02 (280)                         | 13.78 (350)                         | 4                               | 25.66 (11.64)  |                      |
| NXT 40 40 16        | 15.70 (400)                   | 15.70 (400)           | 6.30 (160)            | 10.39 (264)                           | 17.95 (456)                   | 11.81 (300)                         | 11.81 (300)                         | 4                               | 20.21 (9.17)   |                      |
| NXT 40 50 15        | 16.00 (406)                   | 20.00 (508)           | 5.90 (150)            | 10.51 (267)                           | 22.20 (564)                   | 12.05 (306)                         | 16.06 (408)                         | 4                               | 23.30 (10.57)  |                      |
| NXT 45 38 16        | 18.00 (458)                   | 15.00 (382)           | 6.30 (160)            | 12.01 (305)                           | 16.02 (407)Ⓢ                  | 14.09 (358)                         | 11.10 (282)                         | 4                               | 21.45 (9.73)   |                      |
| NXT 45 38 20        | 18.00 (458)                   | 15.00 (382)           | 8.10 (205)            | 12.01 (305)                           | 16.02 (407)Ⓢ                  | 14.09 (358)                         | 11.10 (282)                         | 4                               | 26.12 (11.85)  |                      |
| NXT 45 55 20        | 18.00 (458)                   | 21.70 (550)           | 8.10 (205)            | 12.01 (305)                           | 23.82 (605)                   | 14.09 (358)                         | 17.72 (450)                         | 4                               | 35.03 (15.89)  |                      |
| NXT 48 48 16        | 18.90 (480)                   | 18.90 (480)           | 6.30 (160)            | 12.87 (327)                           | 19.88 (505)Ⓢ                  | 14.96 (380)                         | 14.96 (380)                         | 4                               | 26.69 (12.11)  |                      |
| NXT 48 48 20        | 18.90 (480)                   | 18.90 (480)           | 8.10 (205)            | 12.87 (327)                           | 19.88 (505)Ⓢ                  | 14.96 (380)                         | 14.96 (380)                         | 4                               | 32.56 (14.77)  |                      |
| NXT 50 35 16        | 19.70 (500)                   | 13.80 (350)           | 6.30 (160)            | 13.78 (350)                           | 15.98 (406)                   | 15.75 (400)                         | 9.84 (250)                          | 4                               | 21.60 (9.80)   |                      |
| NXT 50 35 20        | 19.70 (500)                   | 13.80 (350)           | 8.10 (205)            | 13.78 (350)                           | 15.98 (406)                   | 15.75 (400)                         | 9.84 (250)                          | 4                               | 26.13 (11.85)  |                      |
| NXT 50 45 20        | 19.70 (500)                   | 17.70 (450)           | 8.10 (205)            | 13.78 (350)                           | 19.92 (506)                   | 15.75 (400)                         | 13.78 (350)                         | 4                               | 31.94 (14.49)  |                      |
| NXT 50 55 20        | 19.70 (500)                   | 21.70 (550)           | 8.10 (205)            | 13.78 (350)                           | 23.86 (606)                   | 15.75 (400)                         | 17.72 (450)                         | 4                               | 37.67 (17.09)  |                      |
| NXT 50 64 20        | 19.70 (500)                   | 25.20 (640)           | 8.10 (205)            | 12.99 (330)                           | 27.40 (696)                   | 15.75 (400)                         | 21.26 (540)                         | 4                               | 42.75 (19.39)  |                      |
| NXT 60 64 20        | 23.60 (600)                   | 25.20 (640)           | 8.10 (205)            | 17.72 (450)                           | 27.40 (696)                   | 19.69 (500)                         | 21.26 (540)                         | 4                               | 49.87 (22.62)  |                      |
| NXT 62 45 16        | 24.40 (620)                   | 17.70 (450)           | 6.30 (160)            | 17.72 (450)                           | 19.92 (506)                   | 20.47 (520)                         | 13.78 (350)                         | 4                               | 31.10 (14.11)  |                      |
| NXT 62 45 20        | 24.40 (620)                   | 17.70 (450)           | 8.10 (205)            | 17.72 (450)                           | 19.92 (506)                   | 20.47 (520)                         | 13.78 (350)                         | 4                               | 37.48 (17.00)  |                      |
| NXT 73 73 34        | 28.70 (730)                   | 28.70 (730)           | 13.40 (340)           | 20.87 (530)                           | 30.94 (786)                   | 24.80 (630)                         | 24.80 (630)                         | 4                               | 100.70 (45.68) |                      |
| NXT 74 55 16        | 29.10 (740)                   | 21.70 (550)           | 6.30 (160)            | 21.26 (540)                           | 23.86 (606)                   | 25.20 (640)                         | 17.72 (450)                         | 4                               | 42.49 (19.27)  |                      |
| NXT 74 55 20        | 29.10 (740)                   | 21.70 (550)           | 8.10 (205)            | 21.26 (540)                           | 23.86 (606)                   | 25.20 (640)                         | 17.72 (450)                         | 4                               | 52.39 (23.76)  |                      |
| NXT 76 50 16        | 30.00 (762)                   | 20.00 (508)           | 6.30 (160)            | 20.00 (508)                           | 21.02 (534)Ⓢ                  | 26.06 (662)                         | 16.06 (408)                         | 4                               | 40.74 (18.48)  |                      |
| NXT 76 50 20        | 30.00 (762)                   | 20.00 (508)           | 8.10 (205)            | 20.00 (508)                           | 21.02 (534)Ⓢ                  | 26.06 (662)                         | 16.06 (408)                         | 4                               | 51.81 (23.50)  |                      |
| NXT 86 64 16        | 33.90 (860)                   | 25.20 (640)           | 6.30 (160)            | 22.44 (570)                           | 27.40 (696)                   | 29.92 (760)                         | 21.26 (540)                         | 4                               | 54.85 (24.88)  |                      |
| NXT 86 64 20        | 33.90 (860)                   | 25.20 (640)           | 8.10 (205)            | 22.44 (570)                           | 27.40 (696)                   | 29.92 (760)                         | 21.26 (540)                         | 4                               | 63.93 (29.00)  |                      |
| NXT 91 61 20        | 36.00 (914)                   | 24.00 (610)           | 8.10 (205)            | 22.01 (559)                           | 25.04 (636)Ⓢ                  | 32.05 (814)                         | 20.08 (510)                         | 4                               | 68.34 (31.00)  |                      |
| NXT 98 74 16        | 38.60 (980)                   | 29.10 (740)           | 6.30 (160)            | 27.56 (700)                           | 31.34 (796)                   | 34.65 (880)                         | 25.20 (640)                         | 4                               | 69.35 (31.46)  |                      |
| NXT 98 74 20        | 38.60 (980)                   | 29.10 (740)           | 8.10 (205)            | 27.56 (700)                           | 31.34 (796)                   | 34.65 (880)                         | 25.20 (640)                         | 4                               | 83.76 (37.99)  |                      |
| NXT 105 61 20       | 41.30 (1050)                  | 24.00 (610)           | 8.10 (205)            | 35.83 (559)                           | 26.22 (666)                   | 37.40 (950)                         | 20.08 (510)                         | 4                               | 77.00 (34.93)  |                      |

④ When terminal blocks or approved Class I, Division 2 devices are installed within the enclosure in accordance with NEC/CEC requirements. These enclosures are NOT explosionproof and will NOT contain an explosion. Installation of arcing and sparking devices which are not Class I, Division 2 rated or higher is NOT PERMITTED.

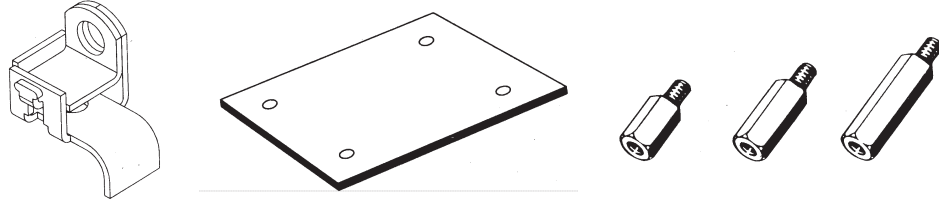
④ Add 1.18" (30mm) to horizontal mounting center dimension on 3 and 4 gland plate versions.

① Mounting pillar pattern: 2 – on vertical center line; 4 – one in each corner at defined pitch about center.



# N-TB (NXT) enclosures

## Accessories (ordered separately):



## Mounting plates

| Enclosure size | Cat. #<br>2mm zinc coated steel | Cat. #<br>2mm 316L stainless steel |
|----------------|---------------------------------|------------------------------------|
| NXT 221513     | NXTZTMP2215                     | NXTS1MP2215                        |
| NXT 262616     | NXTZTMP2626                     | NXTS1MP2626                        |
| NXT 262620     | NXTZTMP2626                     | NXTS1MP2626                        |
| NXT 301815     | NXTZTMP3018                     | NXTS1MP3018                        |
| NXT 303016     | NXTZTMP3030                     | NXTS1MP3030                        |
| NXT 303020     | NXTZTMP3030                     | NXTS1MP3030                        |
| NXT 303520     | NXTZTMP3035                     | NXTS1MP3035                        |
| NXT 373115     | NXTZTMP3731                     | NXTS1MP3731                        |
| NXT 382616     | NXTZTMP3826                     | NXTS1MP3826                        |
| NXT 382620     | NXTZTMP3826                     | NXTS1MP3826                        |
| NXT 383023     | NXTZTMP3830                     | NXTS1MP3830                        |
| NXT 383823     | NXTZTMP3838                     | NXTS1MP3838                        |
| NXT 384520     | NXTZTMP3845                     | NXTS1MP3845                        |
| NXT 404016     | NXTZTMP4040                     | NXTS1MP4040                        |
| NXT 405015     | NXTZTMP4050                     | NXTS1MP4050                        |
| NXT 453816     | NXTZTMP4538                     | NXTS1MP4538                        |
| NXT 453820     | NXTZTMP4538                     | NXTS1MP4538                        |
| NXT 455520     | NXTZTMP4555                     | NXTS1MP4555                        |
| NXT 484816     | NXTZTMP4848                     | NXTS1MP4848                        |
| NXT 484820     | NXTZTMP4848                     | NXTS1MP4848                        |
| NXT 503516     | NXTZTMP5035                     | NXTS1MP5035                        |
| NXT 503520     | NXTZTMP5035                     | NXTS1MP5035                        |
| NXT 504520     | NXTZTMP5045                     | NXTS1MP5045                        |
| NXT 505520     | NXTZTMP5055                     | NXTS1MP5055                        |
| NXT 506420     | NXTZTMP5064                     | NXTS1MP5064                        |
| NXT 606420     | NXTZTMP6064                     | NXTS1MP6064                        |
| NXT 624516     | NXTZTMP6245                     | NXTS1MP6245                        |
| NXT 624520     | NXTZTMP6245                     | NXTS1MP6245                        |
| NXT 737334     | NXTZTMP7373                     | NXTS1MP7373                        |
| NXT 745516     | NXTZTMP7455                     | NXTS1MP7455                        |
| NXT 745520     | NXTZTMP7455                     | NXTS1MP7455                        |
| NXT 765016     | NXTZTMP7650                     | NXTS1MP7650                        |
| NXT 765020     | NXTZTMP7650                     | NXTS1MP7650                        |
| NXT 866416     | NXTZTMP8664                     | NXTS1MP8664                        |
| NXT 866420     | NXTZTMP8664                     | NXTS1MP8664                        |
| NXT 916120     | NXTZTMP9161                     | NXTS1MP9161                        |
| NXT 987416     | NXTZTMP9874                     | NXTS1MP9874                        |
| NXT 987420     | NXTZTMP9874                     | NXTS1MP9874                        |
| NXT 1056120    | NXTZTMP10561                    | NXTS1MP10561                       |

## Stand-off pillars (pack of 2)

| Type | Inches | Cat. #   |
|------|--------|----------|
| SP15 | 0.60   | ACCSOP15 |
| SP20 | 0.80   | ACCSOP20 |
| SP30 | 1.20   | ACCSOP30 |

## Retrofit locking hasp

| Type | Cat. #     |
|------|------------|
| NPA6 | NXTNPAHASP |

**Note:** Stainless steel for Type NPA6 padlocks. Mount on enclosure by removing cover screw and fitting hasp between cover and screw.

## Lock

| Type                        | Cat. #     |
|-----------------------------|------------|
| NP6 brass lock and two keys | NXTNP6BL2K |

## Assembly rail (mild steel)

| Type  | Length | Cat. #     |
|-------|--------|------------|
| TS35  | 78.74" | ACCTAS352M |
| TAS20 | 78.74" | ACCTAS202M |

## Ground stud kits

| Type                | Cat. #    |
|---------------------|-----------|
| M10 stainless steel | ENK10738P |

## Mounting plate screws (metric)

| Description  | Cat. #  |
|--------------|---------|
| Four per set | CCH4142 |

May order factory assembled with suffix 'H'.

# S-TB enclosures

Cl. I, Div. 2, Groups A, B, C, D<sup>Ⓐ</sup>  
 NEMA Type 3S, 4 (painted\* steel)  
 NEMA Type 4X (stainless steel)  
 NEMA Type 6  
 IP66

IECEX/ATEX  
 TR-CU/EAC

## Applications:

- Designed to meet the requirement for distribution and lighting junction boxes
- Available in 13 sizes with standard finishes of painted or 316L stainless steel, together with the high IP rating, make these enclosures suitable for all environmental conditions
- Stainless steel versions are particularly recommended for use in marine or other corrosive environments

## Certifications and compliances:

- Class I, Division 2, Groups A, B, C, D<sup>Ⓐ</sup>
- cULus to UL50/C22.2 No. 94-M91
- NEMA Type 3S, 4 (painted steel\*), NEMA Type 4X (stainless steel), NEMA Type 6; IP66
- UL Listed E115376 (Ordinary Location)
- IECEX and ATEX component certificate – BVS13ATEXE015U and IECEX BVS 13.0025U
- 2G Ex eb IIC Gb or 2D Ex tb IIIC Db
- TR-CU and EAC certified

## S-TB-T terminal boxes:

S-TB enclosures are available assembled as custom configured and certified terminal boxes. Options include custom entries, cable glands and plugs with built-in terminals (Ex-e and Ex-i) and other equipment. Contact factory for ordering details.

### Standards:

- IEC/EN 60079-0
- IEC/EN 60079-7
- IEC/EN 60079-31
- IEC/EN 60529

### Certificates:

- BVS16 ATEX-E-096X
- IECEX BVS 16.0062X
- RU\_C-DE.AA87.B.00885

### Ambient temperatures:

- -55<sup>Ⓟ</sup>/-40°C up to +40°C (T6 and maximum surface temperature of T80°C)
- -55<sup>Ⓟ</sup>/-40°C up to +55°C (T5 and maximum surface temperature of T95°C)
- -55<sup>Ⓟ</sup>/-40°C up to +65/70/80/100/110°C (with temperature class T4 and maximum surface temperature of T120°C)

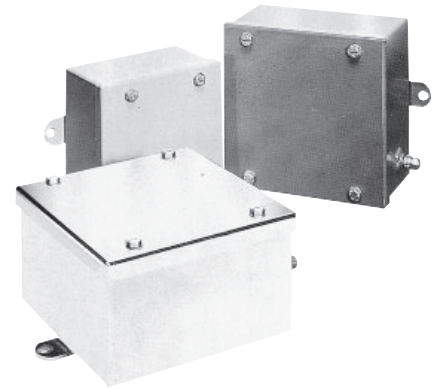
### Materials:

- Equipment available in 316L stainless steel enclosures

### Electrical ratings:

- Rated voltage up to 690V AC/DC; rated current up to 400A; conductor cross-sections up to 240mm<sup>2</sup>

**Note:** Ambient temperature range depends on ratings of built-in components.



### Markings:

- ATEX and IECEX: EEx eb IIC T6/5/4 Gb; Ex tb IIIC T80/95/120°C Db or Ex tb IIIC T80/95/120°C
- EAC CU TR: 1Ex e IIC T6/T5 Gb X or Ex tb IIIC T80/95/120°C Db X
- NEC 500: Class I, Division 2, Groups A, B, C, D<sup>Ⓐ</sup>

## Technical specifications:

| Description               |                            | Specification                                                                                               |
|---------------------------|----------------------------|-------------------------------------------------------------------------------------------------------------|
| Material                  |                            | 1.5mm thick stainless steel grades: 316L (1.4401); 304 (1.4301) or painted mild steel <sup>Ⓢ</sup> Optional |
| Finish                    | Stainless steel<br>Painted | Corrosion-resistant electro-polished surface<br>RAL 7032 (gray)                                             |
| Gasket                    |                            | Foam-in-place silicone (standard); cut silicone (with gland plates)                                         |
| Cover mounting            |                            | 4 x M6 slotted, hexagon head captive screws                                                                 |
| Grounding                 | STB121208-303020           | M6 internal/external ground stud                                                                            |
|                           | STB383822-604022           | M10 internal/external ground stud                                                                           |
| Box mounting              | STB121208-252512           | 2 x external lugs, 0.315" (8mm) clearance holes                                                             |
|                           | STB163812-303020           | 4 x external lugs, 0.315" (8mm) clearance holes                                                             |
|                           | STB383822-604022           | 4 x external lugs, 0.433" (11mm) clearance holes                                                            |
| Equipment mounting        |                            | Mounting pillars or TAS 20 rails welded to base of enclosure (see Dimensions for details)                   |
| Ingress protection        | All types                  | IEC/EN 60529, IP66                                                                                          |
| Service temperature range | No gland plates            | -55°C to +120°C                                                                                             |
|                           | With gland plates          | -40°C to +120°C                                                                                             |
| Impact resistance         |                            | Minimum 7 J (Nm) to IEC/EN 60079-0, IK 10                                                                   |
| Gland plates              | STB383822-604022           | Optional 3mm thick gland plates available in bottom, left, top and right configurations                     |

<sup>Ⓐ</sup> When terminal blocks or approved Class I, Division 2 devices are installed within the enclosure in accordance with NEC/CEC requirements. These enclosures are NOT explosionproof and will NOT contain an explosion. Installation of arcing and sparking devices which are not Class I, Division 2 rated or higher is NOT PERMITTED.

<sup>Ⓟ</sup> Enclosures with gland plates are limited to -40°C.

<sup>Ⓢ</sup> Painted mild steel not available with ATEX or IECEX rating.

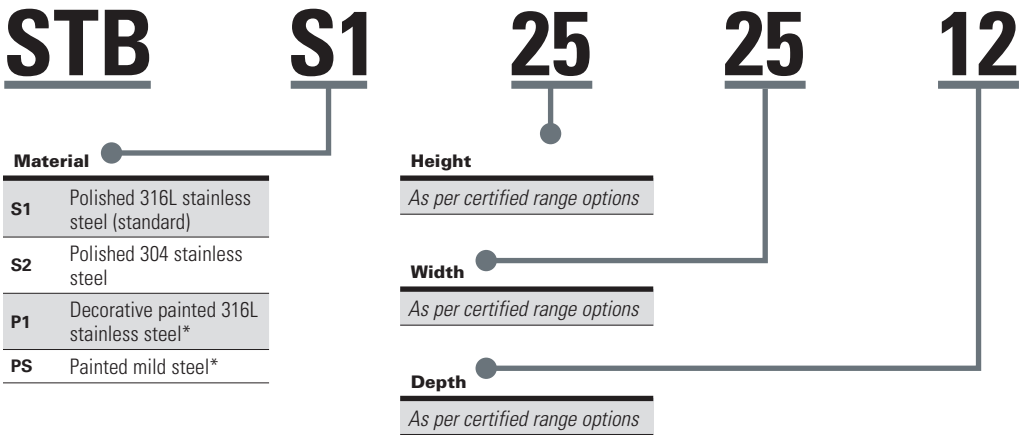
# S-TB enclosures

Cl. I, Div. 2, Groups A, B, C, D<sup>①</sup>  
NEMA Type 3S, 4 (painted\* steel)  
NEMA Type 4X (stainless steel)  
NEMA Type 6  
IP66

IECEX/ATEX  
TR-CU/EAC

## Ordering information:

Part number example  
**STBS1252512**



\* Painted versions only available on demand

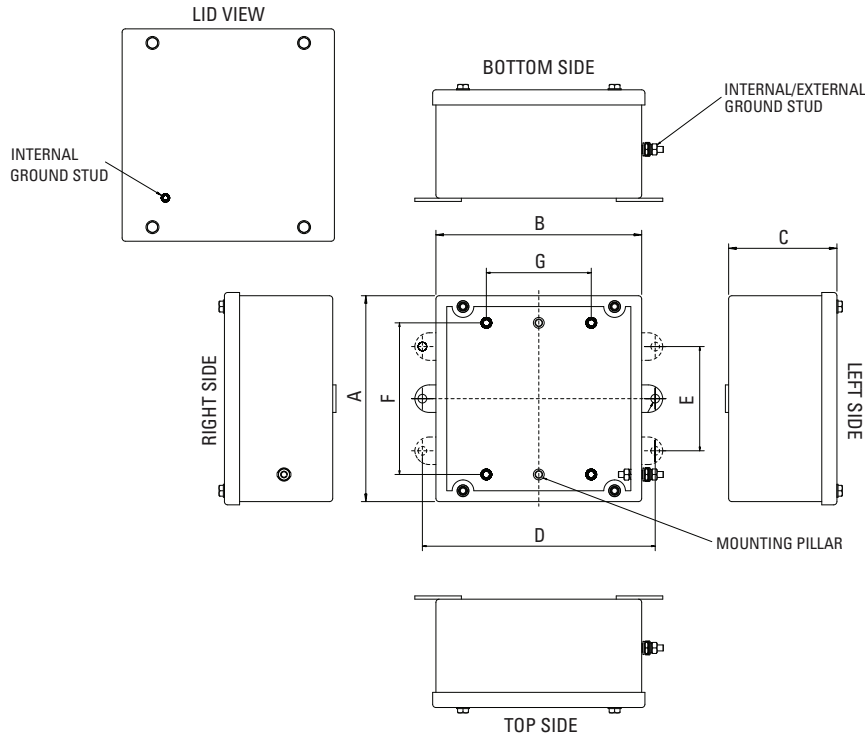
<sup>①</sup> When terminal blocks or approved Class I, Division 2 devices are installed within the enclosure in accordance with NEC/CEC requirements. These enclosures are NOT explosionproof and will NOT contain an explosion. Installation of arcing and sparking devices which are not Class I, Division 2 rated or higher is NOT PERMITTED.

# S-TB enclosures

Cl. I, Div. 2, Groups A, B, C, D  
 NEMA Type 3S, 4 (painted steel\*)  
 NEMA Type 4X (stainless steel)  
 NEMA Type 6  
 IP66

IECEX/ATEX  
 TR-CU/EAC

## Dimensions:



| Short name | Type         | Height (A)<br>in. (mm) | Width (B)<br>in. (mm) | Depth (C)<br>in. (mm) | Horizontal mounting foot external fixing centers |                          |                        | Internal mounting centers      |                                  |                                       | Weight<br>lbs. (kg.) |
|------------|--------------|------------------------|-----------------------|-----------------------|--------------------------------------------------|--------------------------|------------------------|--------------------------------|----------------------------------|---------------------------------------|----------------------|
|            |              |                        |                       |                       | Horizontal (D)<br>in. (mm)                       | Vertical (E)<br>in. (mm) | Mounting foot quantity | Vertical pitch (F)<br>in. (mm) | Horizontal pitch (G)<br>in. (mm) | Mounting pillar quantity <sup>⑥</sup> |                      |
| STB 1      | STB 12 12 08 | 4.72 (120)             | 4.72 (120)            | 3.15 (80)             | 5.71 (145)                                       | N/A                      | 2                      | 2.76 (70)                      | 0.00 (0)                         | 2                                     | 3.09 (1.40)          |
| STB 1.1    | STB 15 12 08 | 5.91 (150)             | 4.72 (120)            | 3.15 (80)             | 5.71 (145)                                       | N/A                      | 2                      | 3.94 (100)                     | 0.00 (0)                         | 2                                     | 3.50 (1.59)          |
| STB 2      | STB 15 15 09 | 5.91 (150)             | 5.91 (150)            | 3.54 (90)             | 6.89 (175)                                       | N/A                      | 2                      | 3.94 (100)                     | 0.00 (0)                         | 2                                     | 4.19 (1.90)          |
| STB 2.1    | STB 19 15 09 | 7.48 (190)             | 5.91 (150)            | 3.54 (90)             | 6.89 (175)                                       | N/A                      | 2                      | 5.51 (140)                     | 0.00 (0)                         | 2                                     | 5.40 (2.45)          |
| STB 3      | STB 19 19 10 | 7.48 (190)             | 7.48 (190)            | 3.94 (100)            | 8.46 (215)                                       | N/A                      | 2                      | 5.51 (140)                     | 0.00 (0)                         | 2                                     | 6.61 (3.00)          |
| STB 4      | STB 25 25 12 | 9.84 (250)             | 9.84 (250)            | 4.72 (120)            | 10.83 (275)                                      | N/A                      | 2                      | 7.09 (180)                     | 0.00 (0)                         | TAS20                                 | 8.16 (3.70)          |
| STB 5      | STB 16 38 12 | 6.30 (160)             | 14.96 (380)           | 4.72 (120)            | 15.94 (405)                                      | 3.15 (80)                | 4                      | 0.00 (0)                       | 11.81 (300)                      | TAS20                                 | 8.14 (3.69)          |
| STB 6      | STB 25 40 13 | 9.84 (250)             | 15.75 (400)           | 5.12 (130)            | 16.73 (425)                                      | 5.91 (150)               | 4                      | 7.09 (180)                     | 0.00 (0)                         | TAS20                                 | 11.80 (5.35)         |
| —          | STB 30 30 20 | 11.81 (300)            | 11.81 (300)           | 7.87 (200)            | 12.80 (325)                                      | 9.06 (230)               | 4                      | 9.06 (230)                     | 0.00 (0)                         | TAS20                                 | 14.54 (6.59)         |
| STB 7      | STB 38 38 22 | 14.96 (380)            | 14.96 (380)           | 8.66 (220)            | 17.13 (435)                                      | 9.84 (250)               | 4                      | 11.81 (300)                    | 11.81 (300)                      | 4                                     | 18.70 (8.48)         |
| STB 8      | STB 40 60 22 | 15.75 (400)            | 23.62 (600)           | 8.66 (220)            | 25.83 (656)                                      | 10.39 (264)              | 4                      | 12.60 (320)                    | 20.47 (520)                      | 4                                     | 28.60 (12.97)        |
| —          | STB 34 75 15 | 13.39 (340)            | 29.53 (750)           | 5.91 (150)            | 30.51 (775)                                      | 10.63 (270)              | 4                      | 10.24 (260)                    | 13.19 (335)                      | 6                                     | 22.22 (10.08)        |
| STB 9      | STB 60 40 22 | 23.62 (600)            | 15.75 (400)           | 8.66 (220)            | 17.95 (456)                                      | 18.27 (464)              | 4                      | 20.47 (520)                    | 12.60 (320)                      | 4                                     | 28.60 (12.97)        |

**Note:** See technical data for mounting hole and ground stud sizes.

\* Painted versions only available on demand.

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⑥ Mounting pillar pattern: 2 x M5, 10mm (H) – on vertical center line  
 TAS20 – two parallel rails at defined pitch about center  
 4 x M6, 25mm (H) – one in each corner at defined pitch about center  
 6 x M6, 25mm (H) – two on center and one in each corner at defined pitch from center

# S-TB enclosures

Cl. I, Div. 2, Groups A, B, C, D<sup>Ⓢ</sup>  
NEMA Type 3S, 4 (painted steel\*)  
NEMA Type 4X (stainless steel)  
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IECEX/ATEX  
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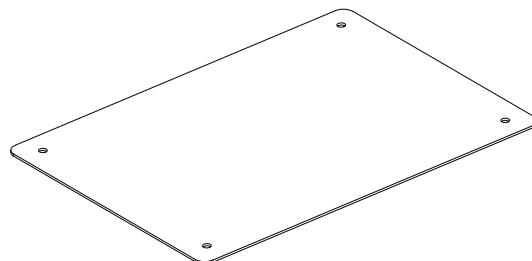
## Accessories (ordered separately):

### Mounting hardware

Sliding mounting nuts and screws for mounting assemblies or components to the support rail type TAS 20.

| Description            | Type   | Cat. #   |
|------------------------|--------|----------|
| M5 screw for TS32/TS35 | SFNS 5 | ACCSFNM5 |

### Mounting plates



| Enclosure size | Cat. #<br>2mm zinc coated<br>steel | Cat. #<br>2mm 316L stainless<br>steel |
|----------------|------------------------------------|---------------------------------------|
| STB191910      | STBZTMP1919                        | STBS1MP1919                           |
| STB252512      | STBZTMP2525                        | STBS1MP2525                           |
| STB163812      | STBZTMP1638                        | STBS1MP1638                           |
| STB254013      | STBZTMP2540                        | STBS1MP2540                           |
| STB303020      | STBZTMP3030                        | STBS1MP3030                           |
| STB383822      | STBZTMP3838                        | STBS1MP3838                           |
| STB406022      | STBZTMP4060                        | STBS1MP4060                           |
| STB347515      | STBZTMP3475                        | STBS1MP3475                           |
| STB604022      | STBZTMP6040                        | STBS1MP6040                           |

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## Notes

[illegible]

## Notes

[illegible]

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