

# ZonEx Non-Metallic Terminal Enclosure

ZonEx Non-Metallic Terminal Enclosure is ideal for field terminations in hazardous locations. The enclosure meets national and international standards and certifications. It can be used to protect equipment and terminations from corrosive contaminants while meeting rigorous demands. The cabinet is ideal for either panel- or din-mounted components. The enclosures meet ATEX Directives 2014/35/EU and IECEx standards for increased safety in housing electrical components in Zone 1 and Zone 2 applications.

## INDUSTRY STANDARDS

Type 4, 4X, 12; File No. E61997

UL508A Listed

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

ATEX Directive 2014/34/EU

ATEX

IBExU16ATEX1234U

Ex eb IIC Gb

Ex ta IIIC Da IP66

EN60079-0

EN60079-7

EN60079-31

Service temperature -55C to +135C

IECEx

IECEx IBE16.0049U

Ex eb IIC Gb

Ex ta IIIC Da IP66

IEC 60079-0

IEC 60079-7

IEC 60079-31

Service temperature -55C to +135C

NEMA / EEMAC Type 4, 4X, 12

IEC 60529, IP66



## FEATURES

Compression-molded, high-impact strength, polyester body and cover

Cover includes recessed, retained, combination head (Straight blade, Phillips and Torx drive) M4 or M6 stainless steel Type 316 screws

Retained, continuous, high-temperature silicon gasket within a labyrinth seal between cover and body

Durable and reusable, internal M4 or M6 stainless steel inserts for DIN- and Panel-mounting

Covered mounting screw provisions outside of gasketed area, sized M4 (#8) or M6 (¼-in.)

Mounting location dimensions are molded into the back side of the enclosure

Panel mounting screws included, M4 or M6

Compression-molded fiberglass with added agents to address static charge build-up

High-impact strength as well as high temperature-rated

Increased Safety: Ex e applications

Optional panels are pre-plated steel, 1.5mm (16 ga.) thick; or 2mm composite

**Color:** Black  
**Material:** Fiberglass  
**Finish:** Smooth Gloss

## SPECIFICATIONS

| Catalog Number | Height | Width | Depth | Thickness | Mounting Screw Size |
|----------------|--------|-------|-------|-----------|---------------------|
| EXE1607555     | 160mm  | 75mm  | 55mm  | 4.1mm     | M4                  |
| EXE1107575     | 110mm  | 75mm  | 75mm  | 4.1mm     | M4                  |
| EXE1607575     | 160mm  | 75mm  | 75mm  | 4.1mm     | M4                  |
| EXE12212090    | 122mm  | 120mm | 90mm  | 4.1mm     | M6                  |
| EXE22012090    | 220mm  | 120mm | 90mm  | 4.1mm     | M6                  |
| EXE36016090    | 360mm  | 160mm | 90mm  | 4.1mm     | M6                  |
| EXE400250120   | 400mm  | 250mm | 120mm | 4.1mm     | M6                  |
| EXE807555      | 80mm   | 75mm  | 55mm  | 4.1mm     | M4                  |
| EXE255250120   | 255mm  | 250mm | 120mm | 4.1mm     | M6                  |
| EXE1907575     | 190mm  | 75mm  | 75mm  | 4.1mm     | M4                  |
| EXE1107555     | 110mm  | 75mm  | 55mm  | 4.1mm     | M4                  |
| EXE807575      | 80mm   | 75mm  | 75mm  | 4.1mm     | M4                  |
| EXE26016090    | 260mm  | 160mm | 90mm  | 4.1mm     | M6                  |
| EXE400405120   | 400mm  | 405mm | 120mm | 4.1mm     | M6                  |
| EXE1907555     | 190mm  | 75mm  | 55mm  | 4.1mm     | M4                  |
| EXE56016090    | 560mm  | 160mm | 90mm  | 4.1mm     | M6                  |
| EXE16016090    | 160mm  | 160mm | 90mm  | 4.1mm     | M6                  |

## ADDITIONAL PRODUCT DETAILS

Intrinsically safe terminal blocks can be installed through modification program to provide a populated enclosure. IECEx populated enclosures require IECEx certified components specifically listed in the approving Certification (see IECEx SIR 09.0100 for more detail).

## WARNING

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nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

⚠ WARNING: This product can expose you to chemicals including styrene, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



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