



# vynckier

## ENCLOSURE SYSTEMS INC.



### APO Series Enclosures - NEMA 4X Rated Non-Metallic Enclosures

#### \*\* Suffix

**No Suffix:** Opaque cover and non-metallic corner screws

**H:** Opaque cover, non-metallic hinges and non-metallic corner screws

**HPL:** Opaque cover, non-metallic hinges and stainless steel padlockable latch(es)

**CT:** Transparent cover and non-metallic corner screws

**CTH:** Transparent cover, non-metallic hinges and non-metallic corner screws

**CTHPL:** Transparent cover, non-metallic hinges and stainless steel padlockable latch(es)

**DT:** Inspection window cover and non-metallic corner screws

**DTH:** Inspection window cover, non-metallic hinges and non-metallic corner screws

**DTHPL:** Inspection window cover, non-metallic hinges and stainless steel padlockable latch(es)

**E1:** One extension collar

**E2:** Two extension collars

**E3:** Three extension collars

**E4:** Four extension collars

**E5:** Five extension collars

*Extension collars not available for A51*

*DT Covers not available on A1, A81, A11 and A12*

#### Features

- 9 available sizes from 7" x 6" to 24" x 24" (H x W).
- Enclosures are maintenance free and corrosion resistant.
- Bases and opaque covers are made from hot compression molded halogen free, self extinguishing fiberglass reinforced polyester (FRP) that can withstand continuous temperatures up to 158°F (70°C) and momentary exposure to 302°F (150°C).
- Transparent covers are made from transparent polycarbonate that can withstand continuous temperatures to 248°F (120°C).
- All enclosures can be easily modified to customer specifications.
- Gaskets are made from continuously poured polyurethane foam.
- Brass M4 threaded inserts are factory installed for mounting plate attachment.
- 4 to 6 bosses suitable for M6 threaded inserts are molded into the base (dependant on enclosure size).
- Maintain UL / CSA Type 4x with up to 5 extension collars.

#### Applications

APO enclosures are designed for use as insulated electrical junction boxes, terminal wiring boxes, instrument housings and electrical control enclosures in highly corrosive environments.

#### Standards

IEC 60529 (IP67)

IEC 62262 (IK10)

IEC 60439-1

IEC 62208

EN 60529 (IP67)

EN 62262 (IK10)

EN 60439-1

EN 62208

#### Approvals

UL Listed Types:

3, 3R, 4, 4X, 12 & 13

CSA Listed Types:

3, 3R, 4, 4X, 6, 12 & 13

LLOYD'S Register of

Shipping

KEMA



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APO Series Data Sheet

Rev 01/12/16





# APO Series Data Sheet

| Part Number                              | Exterior Dimensions                       | Interior Dimensions                       | Weight         | Back Plate                                 | Front Plate                         |
|------------------------------------------|-------------------------------------------|-------------------------------------------|----------------|--------------------------------------------|-------------------------------------|
| **suffix<br>(ex. A1-706E1HPL1)           | H x W x D Inches<br>(mm)                  | H x W x D Inches<br>(mm)                  | Lbs<br>(kg)    | A: Aluminum<br>S: Steel<br>N: Non-Metallic | A: Aluminum                         |
| A1-706*<br>A1-706*H<br>A1-706*HPL1       | 7.32 x 5.94 x 5.50<br>(186 x 151 x 140)   | 6.54 x 5.16 x 5.00<br>(165 x 131 x 127)   | 2.5<br>(1.13)  | BP706A<br>BP706S<br>BP706N                 | FP706A<br>FPH706A<br>FPH706A-KIT    |
| A31-1207*<br>A31-1207*H<br>A31-1207*HPL2 | 11.89 x 7.32 x 6.93<br>(302 x 186 x 176)  | 11.10 x 6.54 x 6.43<br>(282 x 166 x 163)  | 4<br>(1.81)    | BP1207A<br>BP1207S<br>BP1207N              | FP1207A<br>FPH1207A<br>FPH1207A-KIT |
| A41-1212*<br>A41-1212*H<br>A41-1212*HPL2 | 11.89 x 11.89 x 6.93<br>(302 x 302 x 176) | 11.10 x 11.10 x 6.43<br>(282 x 282 x 163) | 5<br>(2.27)    | BP1212A<br>BP1212S<br>BP1212N              | FP1212A<br>FPH1212A<br>FPH1212A-KIT |
| A71-1412*<br>A71-1412*H<br>A71-1412*HPL2 | 14.65 x 11.89 x 6.93<br>(372 x 302 x 176) | 13.86 x 11.10 x 6.43<br>(352 x 282 x 163) | 6<br>(2.72)    | BP1412A<br>BP1412S<br>BP1412N              | FP1412A<br>FPH1412A<br>FPH1412A-KIT |
| A51-1912*<br>A51-1912*H<br>A51-1912*HPL2 | 19.20 x 11.89 x 6.93<br>(488 x 302 x 176) | 18.40 x 11.10 x 6.43<br>(467 x 282 x 163) | 7.5<br>(3.40)  | BP1912A<br>BP1912S<br>BP1912N              | FP1912A<br>FPH1912A<br>FPH1912A-KIT |
| A81-2212*<br>A81-2212*H<br>A81-2212*HPL2 | 21.97 x 11.89 x 6.93<br>(558 x 302 x 176) | 21.14 x 11.10 x 6.43<br>(537 x 282 x 163) | 9.5<br>(4.31)  | BP2212A<br>BP2212S<br>BP2212N              | FP2212A<br>FPH2212A<br>FPH2212A-KIT |
| A61-2412*<br>A61-2412*H<br>A61-2412*HPL2 | 23.74 x 11.89 x 6.93<br>(603 x 302 x 176) | 22.91 x 11.10 x 6.43<br>(582 x 282 x 163) | 10<br>(4.54)   | BP2412A<br>BP2412S<br>BP2412N              | FP2412A<br>FPH2412A<br>FPH2412A-KIT |
| A11-2414*<br>A11-2414*H<br>A11-2414*HPL2 | 23.74 x 14.65 x 6.93<br>(603 x 372 x 176) | 22.91 x 13.86 x 6.43<br>(582 x 352 x 163) | 11.8<br>(5.35) | BP2414A<br>BP2414S<br>BP2414N              | FP2412A<br>FPH2412A<br>FPH2412A-KIT |
| A12-2424*<br>A12-2424*H<br>A12-2424*HPL4 | 23.74 x 23.74 x 6.93<br>(603 x 603 x 176) | 22.91 x 22.91 x 6.43<br>(582 x 582 x 163) | 17.5<br>(7.94) | BP2424A<br>BP2424S<br>BP2424N              | FP2424A<br>FPH2424A<br>FPH2424A-KIT |

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