

# Internal Disconnect Shield



The internal disconnect shield helps reduce the risk of electric shock and arc flash by providing a method to barrier the disconnect switch inside the main enclosure, which minimizes incidental contact or exposure to the line side lugs. Designed to cover variable-depth or cable-operated disconnect switches, it can be retrofitted in an existing system or integrated into a new system. The internal disconnect shield does not eliminate the potential for an arc flash. It is not designed to contain the heat and pressure or direct it away from workers if an arc flash does occur.

## INDUSTRY STANDARDS

UL 508A Listed; Type 1; File Number E482010

cUL Listed per CSA C22.2 No 94; Type 1; File Number E482010

NEMA/EEMAC Type 1

IEC 60529, IP30

This product has an open back and is intended to be mounted to the internal panel of a Type rated Industrial Control Panel.

## FEATURES

Body construction includes flanges and joints to meet UL Type 1 construction requirements

Quarter-turn slotted latch

Spring-loaded slam latch with 7mm square insert for automatic latching

110-degree door stop to prevent incidental contact

Gland plate top and bottom for easy wire installation

Wing nuts for gland plates for tool-less installation

Ground stud on door and body

Open back with mounting holes on back flanges for mounting on main enclosure sub-panel

Knock-outs for variable-depth or cable-operated disconnect switches

Symmetrically designed to use with left-hand or right-hand disconnect switches

Hardware kit includes: panel mounting screws, key for spring-loaded slam latch, grommet to cover knockout for variable-depth disconnect switches, and installation instructions

**Material:** Mild Steel

**Finish:** Smooth Gloss

## SPECIFICATIONS

| Catalog Number | Article Number | Thickness | Current    |
|----------------|----------------|-----------|------------|
| AID2212        | 35874          | 1.52mm    | 60 – 200A  |
| AID1412        | 35873          | 1.52mm    | 30 – 100A  |
| AID3215        | 35875          | 1.52mm    | 200 – 600A |

## ADDITIONAL PRODUCT DETAILS

Amperage Guide: To determine the size of the Internal Disconnect Shield needed, the dimensions and layout of the following need to be considered:

Type of device (disconnect switch or circuit breaker)

Type of fuse (if fuses are used)

Wire bend layout

## WARNING

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.

