

# Internal Disconnect Shield



**HOFFMAN**

## REDUCE RISK, INCREASE SAFETY

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. It can be retrofitted in an existing system or integrated into a new system to help increase safety.

While it is not constructed to contain the heat and pressure or direct it away from workers if an arc flash does occur, it is designed to help prevent an incident from happening in the first place.



## KEY FEATURES

- 1 Open back with holes on back flanges** for easy mounting on main enclosure sub-panel
- 2 Wing nuts for top and bottom gland plates** for tool-less installation
- 3 110-degree door stop** to prevent incidental contact
- 4 Spring-loaded slam latch with 7mm square insert** for secure and automatic latching
- 5 Knock-outs** to accommodate variable-depth or cable-operated disconnect switches
- 6 Symmetrically designed** to accommodate either left-hand or right-hand disconnect switches
- 7 Body construction includes flanges and joints** to meet UL Type 1 construction requirements
- 8 Safety orange paint finish** to promote precaution



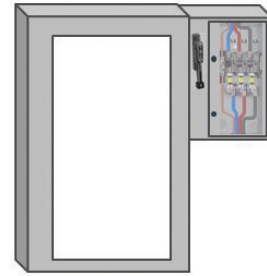
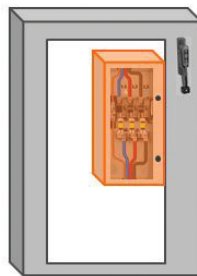
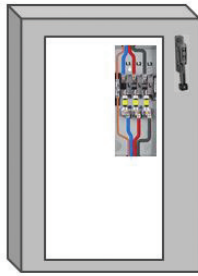
## PRODUCT INFORMATION

Three models cover variable-depth or cable-operated disconnect switches and are designed to fit various switch amperages. All meet Type 1 and IP30 to help prevent incidental contact with energized components.

Bulletin	Catalog Number	DimensionsH x W x D (in)	Industry Standards
A70ID	AID1412	13.50 x 12.00 x 6.50	UL Type 1 cULus Type 1 NEMA/EEMAC Type 1 IEC 60529, IP30
A70ID	AID2212	22.00 x 12.00 x 6.50	
A70ID	AID3215	32.00 x 14.89 x 9.75	

## LEVELS OF RISK REDUCTION

Risk of exposure with the electrical hazards reduced



	Disconnect Enclosure	Disconnect Enclosure with Internal Disconnect Shield	Sequestr External Disconnect Enclosure
Hazard:	Live power in enclosure. Exposure to energized components may lead to electric shock or arc flash.		
Safety Feature:	Interlock prevents opening enclosure when power is ON, helping to reduce exposure to energized enclosure.	Even when disconnect handle is turned OFF, power is still present on the line side of disconnect. The Internal Disconnect Shield covers the disconnect, helping to further reduce exposure while accessing other components in main enclosure.	The entire line side of disconnect, including lugs and cables, are isolated in the Sequestr external disconnect enclosure. When the disconnect handle is turned OFF, there's no power in main enclosure, helping to further reduce exposure.
Risk Reduced:	+	++	+++

### WHEN TO USE AN INTERNAL DISCONNECT SHIELD

An Internal Disconnect Shield is ideal for:

- Applications that require the use of a flange disconnect
- New systems needing to reduce the risk through the system design
- Existing systems that need to be retrofitted to reduce risk
- Applications with limited floor space where an external disconnect solution is not feasible

### HOW TO SELECT THE INTERNAL DISCONNECT SHIELD SIZE BASED ON SWITCH AMPERAGE

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

- Type of disconnect switch (fused or circuit breaker)
- Type of fuse
- Wire bend layout

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