



# 1500V DISCONNECT BOX

## ABOUT

The Shoals BLA Disconnect series is an essential part of our innovative BLA system. Providing isolation using a 100% load-break rated disconnect, these disconnect boxes remove the fuses and fuse holders from inside traditional combiner boxes and move them to the harness, where the cooler surrounds allow their more reliable performance.

Lab-proven under full load during static heating sequence testing, the BLA Disconnect is designed for maximum durability and years of uninterrupted, real-world service. Field installation time has been slashed, space for cable terminations generously increased, and O & M torque points reduced by up to 63%.

## FEATURES

- Up to 500A, 1500V disconnect, 100% load-break rated
- Plated bus bars rated for 90°C, Cu/Al
- 2-hole NEMA 1/2" x 1-3/4" mounting configuration
- Breather vent reduces internal condensation
- Safety shield covers all live components
- Designed for ease of cable installation
- Surge protection device, Type I
- Type 4X pad-lockable enclosure
- Standard 5-year warranty
- ETL certified to CSA C22.2 No. 290

## OPTIONS

- Pre-punched conduit knockouts
- Pre-installed Type 4X glands
- Pre-installed HDG uni-strut
- Pre-installed HDG mounting kits
- Pre-installed drain vent

### TECHNICAL INFORMATION

STG.DCD.01.CaaaBNDD.Des-CSA<sup>(a)</sup>

Max. System Voltage	1500 VDC
Rated Output Current	400A or 500A
Rated Input Current	400A or 500A
Max. Short Circuit Current (I <sub>sc</sub> )	320A or 400A
Short Circuit Withstand Rating	10kA
Number of Input Circuits	1
Input Wire Size	Up to (1) 750 MCM or (2) 600 MCM
Output Wire Size	Up to (1) 750 MCM or (2) 600 MCM
Ground Wire Size	(4) 1/0-14 AWG and (9) 6-14 AWG
Enclosure Rating	Type 4X
Max. Ambient Temp. Rating	50°C
Enclosure Size (H x W x D)	24" x 20" x 10" <sup>(b)</sup>
Approximate Weight	55 lbs

(a) aaa = disconnect rating (400 or 500)

e = enclosure type ("A" for Allied or "S" for Stahlin)

s = surge type ("A" for ABB, "C" for Citel, "D" for Dehn, or "M" for Mersen)

(b) Dimension refers to trade size. See project drawings for exact dimensions.

Product design and specification subject to change or modification without notice.

