



Item pictured is STG.DCD.01.C400BNDD.DSA

# 1500V DISCONNECT BOX

## ABOUT

The Shoals BLA Disconnect series is an essential part of our innovative BLA system, and is compliant with NEC 2017/2020. 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

- 400A, 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
- NEMA 4X pad-lockable enclosure
- Standard 5-year warranty
- Compliant with NEC 2017/2020
- ETL certified to UL1741

## OPTIONS

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

TECHNICAL INFORMATION	STG.DCD.01.C400dNDD.Des <sup>(a)</sup>	STG.DCD.01.C400dNCC.Des <sup>(a)</sup>	STG.DCD.01.C400dNOO.Des <sup>(a)</sup>
Max. System Voltage	1500 VDC	1500 VDC	1500 VDC
Rated Output Current	400A	400A	400A
Rated Input Current	400A	400A	400A
Max. Short Circuit Current (I <sub>sc</sub> )	320A	320A	320A
Number of Input Circuits	1	1	1
Input Wire Size	Up to (1) 750 MCM or (2) 600 MCM	(1) 800 MCM, (2) 700 MCM, (3) 600 MCM <sup>(b)</sup>	Up to (1) 1000 MCM or (2) 800 MCM
Output Wire Size	Up to (1) 750 MCM or (2) 600 MCM	(1) 800 MCM, (2) 700 MCM, (3) 600 MCM <sup>(b)</sup>	Up to (1) 1000 MCM or (2) 800 MCM
Ground Wire Size	(4) 1/0-14 AWG and (9) 6-14 AWG	(4) 1/0-14 AWG and (9) 6-14 AWG	(4) 1/0-14 AWG and (9) 6-14 AWG
Enclosure Rating	NEMA 4X	NEMA 4X	NEMA 4X
Max. Ambient Temp. Rating	50°C	50°C	50°C
Enclosure Size (H x W x D)	24" x 20" x 10" <sup>(c)</sup>	30" x 24" x 10" <sup>(c)</sup>	30" x 24" x 10" <sup>(c)</sup>
Approximate Weight	55 lbs	70 lbs	70 lbs

(a) d = disconnect type ("B" for ABB or "S" for Socomec)  
 e = enclosure type ("A" for Allied or "S" for Stahlin)  
 s = surge type ("A" for ABB or "C" for Citel)

(b) Landing (3) 600 MCM lugs requires special adapter kit.

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

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

