



Item pictured is STG.DCD.01.C500SNDD.DSC

500A DISCONNECT BOX

ABOUT

The Shoals BLA Disconnect series is an essential part of our innovative BLA system, and is compliant with most international electrical codes^(a). 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

- 500A, 1500V disconnect, 100% load-break rated
- Plated bus bars rated for 90°C, Cu/Al
- 2-hole M12 x 44.5mm mounting configuration
- IP67 breather vent reduces internal condensation
- Safety shield covers all live components
- Designed for ease of cable installation
- Surge protection device, Type I
- IP67 pad-lockable enclosure
- Standard 5-year warranty
- TUV certified to IEC61439-2

OPTIONS

- Pre-punched conduit knockouts
- Pre-installed IP68 cable glands
- Pre-installed HDG uni-strut
- Pre-installed HDG mounting kits
- Pre-installed drain vent

TECHNICAL INFORMATION

STG.DCD.01.C500SNDD.Des^(b)

Max. System Voltage	1500 VDC
Rated Output Current	500A
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Max. Short Circuit Current (I _{sc})	400A
Number of Input Circuits	1
Input Wire Size	Up to (1) 400mm ² or (2) 300mm ²
Output Wire Size	Up to (1) 400mm ² or (2) 300mm ²
Ground Wire Size	(4) 2.5-55mm ² and (9) 2.5-16mm ²
Enclosure Rating	IP67
Max. Ambient Temp. Rating	50°C
Enclosure Size (H x W x D)	610 x 510 x 250 mm ^(c)
Approximate Weight	25 kgs

(a) Specific National Deviations may need to be evaluated

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

s = surge type ("A" for ABB or "C" for Citel)

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

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

