



Item pictured is STG.DCD.01.C400FNDB.WSA

# 1500V DISCONNECT BOX

## ABOUT

The Shoals BLA Disconnect series is an essential part of our innovative BLA system, and is compliant with AS standards. 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
- 2-hole mounting for M12 bolts with 44.5mm spacing
- Plated bus bars rated for 90°C, Cu/Al
- Breather vent reduces internal condensation
- Safety shield covers all live components
- Designed for ease of cable installation
- Surge protection device, Type II
- IP 65 pad-lockable enclosure
- Standard 5-year warranty
- Compliant with AS standards

## OPTIONS

- Pre-punched conduit knockouts
- Pre-installed IP 68 glands
- Pre-installed HDG uni-strut
- Pre-installed HDG mounting kits
- Pre-installed drain vent

TECHNICAL INFORMATION	STG.DCD.01.C400dNDD.Des-AU <sup>(a)</sup>	STG.DCD.01.C400dNDB.Wes <sup>(a)</sup>
Max. System Voltage	1500 VDC	1500 VDC per polarity
Rated Output Current	400A	400A
Rated Input Current	400A	400A
Max. Short Circuit Current (I <sub>sc</sub> )	320A	320A
Number of Input Circuits	1	1
Input Wire Size	Up to (2) 350mm <sup>2</sup>	Up to (1) 450mm <sup>2</sup> or (2) 350mm <sup>2</sup>
Output Wire Size	Up to (2) 350mm <sup>2</sup>	Up to (2) 450mm <sup>2</sup>
Ground Wire Size	(4) 2.5-50mm <sup>2</sup> and (9) 2.5-10mm <sup>2</sup>	(4) 2.5-50mm <sup>2</sup> and (9) 2.5-10mm <sup>2</sup>
Enclosure Rating	IP 65	IP 65
Max. Ambient Temp. Rating	50°C	50°C
Enclosure Size (H x W x D)	663.5mm x 561.9mm x 297.2mm	662.9mm x 663.5mm x 297.2mm
Approximate Weight	25 kg	32 kg

(a) d = disconnect type ("B" for ABB 2-pole, "S" for Socomec, 2-pole, "F" for ABB 4-pole, or "R" for Socomec 4-pole)

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

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

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

