



1500V HIGH CURRENT COMBINER

ABOUT

The Shoals High Current Combiner series is compliant with AS standards and is used to combine multiple strings per circuit up to a 50A fuse size. This means a more than 50% reduction in return cables over a traditional combiner box.

Lab-proven under full load during static heating sequence testing with fuses installed, the High Current Combiner is designed for maximum durability and years of uninterrupted, real-world service. Field installation time has been slashed, space for cable terminations generously increased.

FEATURES

- Finger-safe fuse holders
- 400A, 1500V disconnect, 100% load-break rated
- Plated bus bars rated for 90°C, Cu/Al
- 2-hole mounting for M12 bolts with 44.5mm spacing
- 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-terminated whips with connectors
- 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.DCB.xx.C400BFB.TSsN^(a)

Max. System Voltage	1500 VDC per polarity
Rated Output Current	400A
Rated Input Current	40A
Max. Overcurrent Protection	50A
Number of Input Circuits	Up to 12
Positive Input Wire Size	4-50mm ²
Negative Input Wire Size	2.5-21.2mm ²
Positive Output Wire Size	Up to (1) 456mm ² or (2) 380mm ²
Negative Output Wire Size	Up to (1) 456mm ² or (2) 380mm ²
Ground Wire Size	(2) 2.5-53.5mm ² and (18) 2.5-21.2mm ²
Enclosure Rating	IP 65
Max. Ambient Temp. Rating	50°C
Enclosure Size (H x W x D)	998.5mm x 825.5mm x 306.3mm
Approximate Weight	49 kg

(a) xx = number of inputs (01-12)
s = surge type ("A" for ABB or "C" for Citel)
Product design and specification subject to change or modification without notice.