



# 1500V STANDARD COMBINER

## ABOUT

The Shoals™ 1500V Combiner series is utilized to combine one or more strings per circuit when the fuse size does not exceed 32A.

Lab-proven under full load during static heating sequence test with fuses installed, the Shoals 1500V Combiner series is designed for maximum durability and years of uninterrupted, real-world service.

## FEATURES

- Finger-safe fuse holders
- 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
- ETL certified to CSA C22.2 No. 290

## OPTIONS

- Pre-terminated whips with connectors
- 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.DCB.xx.C400dCB.BesN-CSA<sup>(a)</sup>

|   |                                  |
|---|----------------------------------|
| Max. System Voltage                           | 1500 VDC                         |
| Rated Output Current                          | 400A                             |
| Max. Short Circuit Current (I <sub>sc</sub> ) | 20.5A                            |
| Max. Overcurrent Protection                   | 32A                              |
| Number of Input Circuits                      | Up to 24                         |
| Positive Input Wire Size                      | 6-14 AWG                         |
| Negative Input Wire Size                      | 4-14 AWG                         |
| Positive Output Wire Size                     | Up to (1) 900 MCM or (2) 750 MCM |
| Negative Output Wire Size                     | Up to (1) 900 MCM or (2) 750 MCM |
| Ground Wire Size                              | 2/0-14 AWG                       |
| Enclosure Rating                              | Type 4X                          |
| Max. Ambient Temp. Rating                     | 50°C                             |
| Enclosure Size (H x W x D)                    | 24" x 30" x 10" <sup>(b)</sup>   |
| Approximate Weight                            | 80 lbs                           |

(a) xx = number of inputs (01-24)

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

d = disconnect type ("B" for ABB or "S" for Socomec)

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.

