Item pictured is STG.DCB.xx.C400SCG.PSAN

1500V STANDARD COMBINER

ABOUT

The Shoals™ 1500V Combiner series is compliant with NEC 2014 and 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
- Compliant with NEC 2014
- ETL certified to UL1741

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.C400SCG.PesN[a]	STG.DCB.xx.C400SCD.PesN[a]	STG.DCB.xx.C400SCO.PesN[a]
Max. System Voltage	1500 VDC	1500 VDC	1500 VDC
Rated Output Current	400A	400A	400A
Max. Short Circuit Current (Isc)	20.5A	20.5A	20.5A
Max. Overcurrent Protection	32A	32A	32A
Number of Input Circuits	Up to 18	Up to 24	Up to 32
Positive Input Wire Size	6-14 AWG	6-14 AWG	6-14 AWG
Negative Input Wire Size	4-14 AWG	4-14 AWG	4-14 AWG
Positive Output Wire Size	Up to (1) 600 MCM or (2) 500 MCM	Up to (1) 750 MCM or (2) 600 MCM	Up to (1) 1000 MCM or (2) 800 MCM
Negtive Output Wire Size	Up to (1) 600 MCM or (2) 500 MCM	Up to (1) 750 MCM or (2) 600 MCM	Up to (1) 1000 MCM or (2) 800 MCM
Ground Wire Size	2/0-14 AWG	2/0-14 AWG	2/0-14 AWG
Enclosure Rating	Type 4X	Type 4X	Type 4X
Max. Ambient Temp. Rating	50°C	50°C	50°C
Enclosure Size (H x W x D)	24" x 24" x 10"[b]	24" x 30" x 10"[b]	30" x 36" x 10"[b]
Approximate Weight	70 lbs	80 lbs	110 lbs

(a) xx = number of inputs (01-32)
   e = enclosure type ("A" for Allied or "S" for Stahlin)
   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.