



Item pictured is STG.DCR.04.C400BGO.BSC

1500V FUSED RECOMBINER

ABOUT

The Shoals™ Fused Recombiner series is an essential part of our innovative BLA system, and is compliant with NEC 2023. Providing isolation using a 100% load-break rated disconnect, these Recombiners allow combining of multiple BLA inputs for maximum flexibility on your site.

Lab-proven under full load during static heating sequence testing, the Fused Recombiner 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
- 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
- Type 4X pad-lockable enclosure
- Standard 5-year warranty
- Compliant with NEC 2023
- ETL certified to UL1741

OPTIONS

- Pre-punched conduit knockouts
- Pre-installed Type 4X glands
- Pre-installed HDG uni-strut
- Pre-installed HDG mounting kits
- Pre-installed drain vent
- Fuses available from 50A-250A

TECHNICAL INFORMATION	STG.DCR.03.C400dBNB.Bes ^(a)	STG.DCR.04.C400dBGO.BSs ^(a)
Max. System Voltage	1500 VDC	1500 VDC
Rated Output Current	400A	400A
Max. Short Circuit Current (I _{sc})	320A	320A
Rated Input Current	200A	200A
Max. Overcurrent Protection	250A ^(b)	250A ^(b)
Number of Input Circuits	3	4
Input Wire Size	Up to (1) 350 MCM	Up to (1) 600 MCM
Output Wire Size	Up to (1) 900 MCM or (2) 750 MCM	Up to (1) 1000 MCM or (2) 800 MCM
Ground Wire Size	(4) 1/0-14 AWG and (9) 6-14 AWG	(4) 1/0-14 AWG and (9) 6-14 AWG
Enclosure Rating	TYPE 4X	TYPE 4X
Max. Ambient Temp. Rating	50°C	50°C
Enclosure Size (H x W x D)	24" x 30" x 10" ^(c)	30" x 36" x 10" ^(c)
Approximate Weight	85 lbs	105 lbs

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

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

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

(b) Fuses available in 50A, 63A, 80A, 100A, 125A, 160A, 200A, and 250A.

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

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

