



Item pictured is STG.DCB.xx.C400BCG.BSCN

# 1500V STANDARD COMBINER

## ABOUT

The Shoals 1500V Combiner series is compliant with most international electrical codes<sup>(a)</sup> 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
- Up to 500A, 1500V disconnect, 100% load-break rated
- Plated bus bars rated for 90°C, Cu/Al
- 2-hole M12 x 44.5mm mounting configuration
- Breather vent reduces internal condensation
- Safety shield covers all live components
- Designed for ease of cable installation
- Surge protection device, Type I
- IP67 pad-lockable enclosure
- Standard 5-year warranty
- TUV certified to IEC61439-2
- ETL certified to UL1741

## OPTIONS

- Pre-terminated whips with connectors
- Pre-punched conduit knockouts
- Pre-installed IP68 glands
- Pre-installed HDG uni-strut
- Pre-installed HDG mounting kits
- Pre-installed drain vent

TECHNICAL INFORMATION	STG.DCB.xx.C400dCG.BesN <sup>(b)</sup>	STG.DCB.xx.C400dCC.BesN <sup>(b)</sup>	STG.DCB.xx.C400dCB.BesN <sup>(b)</sup>	STG.DCB.xx.C400dCO.BesN <sup>(b)</sup>
Max. System Voltage	1500 VDC	1500 VDC	1500 VDC	1500 VDC
Rated Output Current	400A	400A	400A	400A
Rated Input Current	25.6A	25.6A	25.6A	25.6A
Max. Overcurrent Protection	32A	32A	32A	32A
Number of Input Circuits	Up to 18	Up to 18	Up to 24	Up to 32
Positive Input Wire Size	6-16 mm <sup>2</sup>	6-16 mm <sup>2</sup>	6-16 mm <sup>2</sup>	6-16 mm <sup>2</sup>
Negative Input Wire Size	6-25mm <sup>2</sup>	6-25mm <sup>2</sup>	6-25mm <sup>2</sup>	6-25mm <sup>2</sup>
Positive Output Wire Size	Up to (1) 300mm <sup>2</sup> or (2) 240mm <sup>2</sup>	Up to (1) 400mm <sup>2</sup> or (2) 300mm <sup>2</sup>	Up to (1) 500mm <sup>2</sup> or (2) 400mm <sup>2</sup>	Up to (1) 500mm <sup>2</sup> or (2) 400mm <sup>2</sup>
Negative Output Wire Size	Up to (1) 300mm <sup>2</sup> or (2) 240mm <sup>2</sup>	Up to (1) 400mm <sup>2</sup> or (2) 300mm <sup>2</sup>	Up to (1) 500mm <sup>2</sup> or (2) 400mm <sup>2</sup>	Up to (1) 500mm <sup>2</sup> or (2) 400mm <sup>2</sup>
Ground Wire Size	2.5-50mm <sup>2</sup>	2.5-50mm <sup>2</sup>	2.5-50mm <sup>2</sup>	2.5-50mm <sup>2</sup>
Enclosure Rating	IP67	IP67	IP67	IP67
Max. Ambient Temp. Rating	50°C	50°C	50°C	50°C
Enclosure Size (H x W x D)	610 x 610 x 250 mm <sup>(c)</sup>	760 x 610 x 250 mm <sup>(c)</sup>	610 x 760 x 250 mm <sup>(c)</sup>	760 x 910 x 300 mm <sup>(c)</sup>
Approximate Weight	32 kgs	35 kgs	36 kgs	50 kgs

(a) Specific National Deviations may need to be evaluated

(b) xx = number of inputs (01-32)

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)

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

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

