



Item pictured is STG.DCD.01.C400BNDD.DSC

1500V DISCONNECT BOX

ABOUT

The Shoals BLA Disconnect series is an essential part of our innovative BLA system, and is compliant with most international electrical codes^(a). Providing isolation using a 100% load-break rated disconnect, these disconnect boxes remove the fuses and fuse holders from inside traditional combiner boxes and move them to the harness, where the cooler surrounds allow their more reliable performance.

Lab-proven under full load during static heating sequence testing, the BLA Disconnect 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 M12 x 44.5mm mounting configuration
- Breathe 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

OPTIONS

- 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.DCD.01.C400dNDD.Des ^(b)	STG.DCD.01.C400dNCC.Des ^(b)	STG.DCD.01.C400dNOO.Des ^(b)
Max. System Voltage	1500 VDC	1500 VDC	1500 VDC
Rated Output Current	400A	400A	400A
Rated Input Current	400A	400A	400A
Max. Short Circuit Current (I _{sc})	320A	320A	320A
Number of Input Circuits	1	1	1
Input Wire Size	Up to (1) 400mm ² or (2) 300mm ²	(1) 400mm ² , (2) 380mm ² , (3) 300mm ^{2(c)}	Up to (1) 500mm ² or (2) 400mm ²
Output Wire Size	Up to (1) 400mm ² or (2) 300mm ²	(1) 400mm ² , (2) 380mm ² , (3) 300mm ^{2(c)}	Up to (1) 500mm ² or (2) 400mm ²
Ground Wire Size	2.5-50mm ²	2.5-50mm ²	2.5-50mm ²
Enclosure Rating	IP67	IP67	IP67
Max. Ambient Temp. Rating	50°C	50°C	50°C
Enclosure Size (H x W x D)	610 x 510 x 250 mm ^(d)	760 x 610 x 250 mm ^(d)	760 x 610 x 250 mm ^(d)
Approximate Weight	25 kgs	32 kgs	32 kgs

(a) Specific National Deviations may need to be evaluated

(b) 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) Landing (3) 300 mm² lugs requires special adapter kit.

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

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