



SUSTAINABILITY SOLUTIONS

## TECHNICAL DATA SHEET

SECDB-NF600V/I-II-2I-2O/16AM

PHOTOVOLTAIC DC PROTECTION BOX

### Product Description:

Photovoltaic DC Protection Board-Wall Mounted (surface - type) IP65. Intended for use with high voltage AC connection up to 600Vac and a Max Current of 16A. This product caters for 2 inputs and outputs. Included is a 600V Type 1&2 AC Surge protective device –providing protection. For ease of installation, connection is via Staubli MC-4 connectors for input and output. A M6 Earth stud is Provided for earth connection. DC Isolation is achieved via 16A AC Miniature circuit breakers.



## Technical Datasheet

Item Number	SECDB-NF600V/I-II-2I-2O/16AM
Max. Open Circuit Voltage Voc*	600Vac
Max Input Current	16A
Max Output Current	16A
DC Isolation/ Protection Device	2P-16A
Number of Inputs	2
Number of Outputs	2
DC Connection Input	Staubli MC-4 Original
DC Connection Output	Staubli MC-4 Original
Earth Connection	M6 Earth Stud
Breather Plug ( M12 )	Incorporated
<b>Surge Protection Device**</b>	<b>Type 1&amp;2</b>
Nominal discharge current (8/20 $\mu$ s) [(AC+/AC-) --> PE] (I <sub>n</sub> )	20kA
Max. discharge current (8/20 $\mu$ s) [(AC+/AC-) --> PE] (I <sub>max</sub> )	40kA
Operating state / fault indication	Green / Red
Enclosure	RAL7032 Glass Reinforced Polyester
IP Rating	IP65
Double Insulated	Yes
Dimension (H X W X D)	286 x 418 x 148mm
UV Protection	YES
Halogen Free	YES
Resistance to Impact	IK08
Glow Wire Resistance- Enclosure Only	650 °C
Max. Operating Voltage rating of enclosure	1000Vac / 1500Vdc
Assembly General Operating Temperature	-10°C to +40°C

Notes:

- \* Please co-ordinate Max open circuit voltage of grid with the inverter MPPT Max Voc.
- \*\* SPD Type 2 and Type 1 & 2- according to EN 50539-11

**NB: All equipment to be installed and operated by Qualified Personnel only.**

