



TECHNICAL DATA SHEET

SECDB-NF600V/I-II-4I-4O/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 4 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-4I-4O/16AM
Max. Open Circuit Voltage Voc*	600Vac
Max Input Current	16A
Max Output Current	16A
DC Isolation/ Protection Device	4P-16A
Number of Inputs	4
Number of Outputs	4
DC Connection Input	Staubli MC-4 Original
DC Connection Output	Staubli MC-4 Original
Earth Connection	M6 Earth Stud
Breather Plug (M12)	Incorporated
Surge Protection Device**	Type 1&2
Nominal discharge current (8/20 μ s) [(AC+/AC-) --> PE] (In)	20kA
Max. discharge current (8/20 μ s) [(AC+/AC-) --> PE] (Imax)	40kA
Operating state / fault indication	Green / Red
Enclosure	RAL7032 Glass Reinforced Polyester
IP Rating	IP65
Double Insulated	Yes
Dimension (H X W X D)	470 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.

