



TECHNICAL DATA SHEET

SECDB-F600V/I-II-1I-1O/32AM

Product Description:

Photovoltaic DC Protection Board-Wall Mounted (surface - type) IP65. Intended for use with high voltage DC Strings up to 600Vdc and a Max Current of 9A per String. This product caters for the 1 PV input and 1 output. Each String utilises a fuse on the positive and terminal on the negative string. Included is a Type 1&2 DC Surge protective device –providing protection. For ease of installation, PV String connection is via original Multi-Contact MC-4 Connectors for input and M20 compression gland for output. A M6 Earth stud is Provided for earth connection. DC Isolation is achieved via two 32A DC Miniature circuit breakers.



Picture shown for illustrative and representative purposes only and may differ from actual Product

Technical Datasheet

Item Number	SECDB-F600V/I-II-1I-10/32AM
Max. Open Circuit Voltage V_{oc} *	600Vdc
Max Current	9Adc / String
Number of individual Strings	1
DC Isolation/ Protection Device	2P-32A
Number of Inputs	1
Number of Outputs	1
DC String Connection Input***	1 x MC-4 sets
DC string Connection Output***	Compression Glands
Earth Connection	M6 Earth Stud
Breather Plug (M12)	Incorporated
Surge Protection Device****	Type 1&2
Nominal discharge current (8/20 μ s) [(DC+/DC-) --> PE] (I_n)	20kA
Max. discharge current (8/20 μ s) [(DC+/DC-) --> PE] (I_{max})	40kA
Operating state / fault indication	Green / Red
Enclosure*****	PVC with Smokey Swing Door
IP Rating	IP65
Double Insulated	Yes
Dimension (H X W X D)	263 x 314 x 143mm
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 PV String with the inverter MPPT Max Voc.
- *** Please use protective caps for unused MC-4 Connectors- Use MC-4 In-Line connectors for PV String field wire connection
- **** SPD Type 2 and Type 1 & 2- according to EN 50539-11
- ***** UNE-EN62208 and IEC 62214

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

