



## **TECHNICAL DATA SHEET**

ACDB-AX5K-I50A-230V-II-25AO

### **Product Description:**

Photovoltaic AC Protection Board-Wall Mounted (surface - type) IP65. Intended for use with low voltage AC connection up to 230Vac and a Max Current of 50A. This product caters for 1 input and output. Each String utilises a fuse on the positive and negative terminals. Included is a 230V Type 2 AC Surge protective device –providing protection. For ease of installation, connection is via M20 compression gland for input and output. A M6 Earth gland is Provided for earth connection. AC Isolation is achieved via a 50A DC Miniature circuit breaker.



## Technical Datasheet

Item Number	ACDB-AX5K-I50A-230V-II-25AO
Max. Open Circuit Voltage Voc*	230Vac
Max Current	50A
Number of individual Strings	1
AC Isolation/ Protection Device	2P-50A
Number of Inputs	1
Number of Outputs	1
AC Connection Input	Compression Gland
AC Connection Output	Compression Gland
Earth Connection	Compression Gland
Breather Plug ( M12 )	Incorporated
<b>Surge Protection Device**</b>	<b>Type 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***	PVC with Smokey Swing Door
IP Rating	IP65
Double Insulated	Yes
Dimension (H X W X D)	246 x 310 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
- \*\*\* UNE-EN62208 and IEC 62214

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

