

# PowerConnections

## 3 Pin American Converter Plug Technical Data & Fitting Instructions ACP3-BK-R-5A; RS 783-9580

### Description

The 3 Pin American Converter Plug (ACP3) is an adapter that converts the American NEMA WD6 IEC 83:1975 Standard A5-15 plug to the BS 1363 system format. The plug is designed and manufactured to meet the requirements of BS 5733. It complies fully with the LVD and Plug and Socket safety regulations. The design of the clamping method ensures the body of the American NEMA WD6 IEC 83:1975 Standard A5-15 plug is enclosed.

### Classification

- Adapter, Single portable,
- Re-wireable plug,
- Fused,
- Normal use,
- Converts American NEMA WD6 IEC 83:1975 Standard A5-15 plug to the BS 1363 format.
- Suitable for Class 1 and 2 devices (earthed and unearthed).
- Not Suitable for any other plug system.

### Certification

- BSi Kitemark to BS 5733

### Relevant Standards

- BS 5733 — Electrical Accessories
- BS 1363 — Plug Features
- BS 1362 — Fuse link

### Rating

- |                            |                                      |
|----------------------------|--------------------------------------|
| - Voltage                  | 230V ac                              |
| - Current                  | 10 Amps max,                         |
| - Load                     | 2500 watts max.                      |
| - Frequency                | 50 Hz                                |
| - Environmental Protection | IP 3X (STD BS1363 accessory rating). |
| - Fuse                     | 5 Amp BS 1362.                       |
| - Flammability             | V2 (external Casing)                 |
| - Mechanical Strength      | 1000 grams @ 500mm                   |
| - Colour                   | White                                |
| - Weight                   | 50 grams typical                     |
| - Finish                   | Plain                                |
| - Retaining Screw          | Plain (returnable)                   |

Note: - Tolerance as per relevant British Standard

### Safety Design Features

- Double mechanical interlocks to prevent the ACP3 from being inserted into the socket outlet without the cover and retaining screws being properly secured.
- Hinged cover
- External fuse access, opening of ACP3 not required
- No loose parts
- Plug features designed to meet the requirements of BS1363.
- Meets the requirements of the DTI Plug and Socket regulations.

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## Installation System

The 3 Pin American Converter Plug (ACP3) is designed for use within the BS1363 Plug and Socket system only, as defined by the IEE Wiring Regulations BS 7671

## Fitting

The 3 Pin American Converter Plug (ACP3) should be fitted as follows:

1. Insert the Power Supply into the plug.
  2. Close lid <sup>1</sup>
  3. Tighten retaining screws <sup>2</sup> to 0.4Nm
  4. Now the ACP3 is ready for use.
- *NOTE 1: - If the cover does not close fully, this may mean that the US Plug has not been correctly fitted, check, and rectify before use.*
  - *NOTE 2: - This torque setting is for hand screwdrivers, if required, please contact us for guidance regarding power screwdriver settings*

## Service Conditions

- Temperature Range
  - Storage -40 °C to +80 °C Ambient
  - Working -05 °C to +35 °C 95% RH Ambient
- Altitude 2000m above sea level max.
- Not subject to exposure to direct radiation from the sun
- Abnormal Condition - Avoid pollution by smoke, chemical and flammable fumes salt laden spray, periods of high humidity > 95% relative humidity (RH)



**WARNING:**  
THE ACP3 IS NOT A  
VOLTAGE CONVERTER