

PowerConnections

AMERICAN CONVERTER PLUG TECHNICAL DATA

Description

The American Converter Plug (ACP) is an adapter which converts American, Japanese and Chinese UL817, Nema 1–15 style plugs to the BS 1363 system format, the plug is designed and manufactured to meet the requirements of BS 1363-5. It is suitable for all non-earthed appliances up to 10 Amps. A unique feature correctly orientates the polarised plug and ensures full engagement with the contacts. It is not a voltage converter.

Classification

- Adapter, Single portable,
- Re-wireable plug,
- Fused,
- Normal use,
- Converts American, Japanese and Chinese UL817, Nema 1–15 Style plugs to the BS 1363 format.
- Suitable for Class 2 devices (unearthed) only.
- Not Suitable for any other plug system
- The ACP is not a power converter and before use the appliance must be set to 230V ac.

Certification

- BSi Kitemark to BS 1363-5

Relevant Standards

- BS 1363-5 — 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 | 10 amp BS 1362. |
| - Flammability | V2 (external Casing) |
| - Mechanical Strength | 1000 grams @ 500mm |
| - Colour | Black or White |
| - Weight | 45 grams typical |
| - Finish | Plain and fine sparkle |
| - Retaining Screw | Plain or Tamperproof |

Note: - Tolerance as per relevant British Standard

Safety Design Features

- Double mechanical interlocks to prevent the ACP from being inserted into the socket outlet without the cover and retaining screw being properly secured.
- Gate to ensure a polarised plug is correctly orientated.
- Plate in lid ensures plug makes full and secure contact.
- Hinged cover
- External fuse access, opening of ACP 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 American Converter plug is designed for use within the BS1363 Plug and Socket system only, as defined by the IEE Wiring Regulations BS 7671

Fitting

The ACP is not a power converter and before use the appliance must be set to 230V ac.

The American Converter Plug should be fitted as follows:

1. Insert the plug into the slotted lid plug plate, this is design correctly orientates the polarised plug.
2. Close lid ¹
3. Tighten retaining screw ² to 0.6Nm (6.12Kgf.cm).
4. Now the ACP is ready for use.

NOTE1: - If the cover does not close fully, this may mean that the US plug has not been correctly fitted, check, and rectify before use.

NOTE2: -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)



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