

## Use Case

British plug top fuse



# Safety and reliability for home appliances

To prevent damage to domestic appliances and devices in the event of power surges or short circuits, fuses of suitable ampere ratings come in handy. A fuse is the primary safety device for preventing damages resulting from short circuits or overloads associated with the use of appliances in the home.

When there is a power surge due to an overload or short circuit, a fuse operates to open the circuit. This prevents excess current from flowing through and damaging device components, or in worse cases, starting an electrical fire. Every fuse contains a metal wire or strip that melts when an electric current over a specified limit flows through it for a sufficient time. Fuses act in a similar way to switches, as they can both quickly shut off electrical power.

Because of the critical safety functions that fuses provide, it is imperative that consumers have confidence that they are using authentic, non-counterfeited parts. Reputable, factory authorized resellers provide parts from reliable circuit protection manufacturers to ensure that only safe, reliable fuses are being used in homes.

Eaton's TDC180 British plug top fuse provides superior safety and reliability for circuit protection in household devices. The TDC180 is a 1/4-inch by 1-inch ferrule-type fuse with a cylindrical casing and metal contact points on both ends. These fuses are lead-free, halogen-free, and RoHS-compliant.

TDC180 fuses are suitable for a wide range of domestic appliances, including TV sets, notebook computers, electric kettles, toasters, baby bottle warmers, and more. Available

fuse ratings range from 1 A to 13 A. TDC180 fuses are ideal for domestic use according to the BS1362 standard. Eaton is the sole owner of the United Kingdom Patent No. GB2410626B for its TDC180 British plug top fuse.

Eaton offers competitive pricing to clients and markets all over the world with circuit protection devices that meet stringent international standards for both safety and reliability. The TDC180 fuse is compliant with the Plug and Socket Safety Regulations 1995 and can be fitted into domestic BS1363 plugs. These fuses can fit into almost any type of U.K. plug with ratings from 1 A to 13 A (ideal for overcurrent protection in all domestic power outlets).

Overheating or explosion due to using counterfeit fuses can cause personal injury, damage of devices,

or electrical fires. Eaton's TDC180 British plug top fuse ensures that in every possible scenario, only the fuse gets damaged. Leading manufacturers and value added resellers from around the world choose Bussmann Series circuit protection devices manufactured by Eaton. It's a product they can trust.

Eaton is a market leader in the manufacture of critical circuit protection devices, electrical safety products, and power parts. Please note that Eaton does not license its United Kingdom Patent (No. GB2410626B) for the TDC180 British plug top fuse to any other entity.

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© 2019 Eaton  
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Printed in USA  
Publication No. 10932 BU-MC19064  
May 2019

[www.eaton.com/fuses](http://www.eaton.com/fuses)

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