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AS/NZS 61558.2.9:2003 Safety of power transformers, power supply units and similar - Part 2.9: Particular requirements for transformers for class III handlamps for tungsten filament lamps

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Abbreviation

AS/NZS 61558.2.9:2003

Valid from

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Standards New Zealand

Author

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New Zealand Standard

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Description

This Standard specifies general safety requirements for approval and test purposes for transformers for class III handlamps for tungsten filament lamps.

This Standard is an adoption with national modifications and contains the full text of IEC 61558-2-9:2002.

Scope

This Standard covers such aspects of safety as electrical, thermal and mechanical. This Part 2-9 of AS/NZS 61558 applies to stationary or portable single-phase air-cooled (natural or forced) associated safety isolating transformers for class III handlamps for tungsten filament lamps, having a rated supply voltage not exceeding 1000 V a.c., a rated frequency not exceeding 500 Hz and a rated output not exceeding 10 kVA.

Transformers for class III handlamps for tungsten filament lamps;

- have a no-load output voltage and a rated output voltage not exceeding 50 V a.c. or 120 V ripple-free d.c.;
- are used where double or reinforced insulation between circuits is required by the installation rules or by the appliance specification;

- have a low variation between no-load and rated output voltage;
- have a limited output voltage.

This standard is applicable to dry-type transformers. The windings may be encapsulated or non-encapsulated.

This standard also applies to transformers incorporating electronic circuits. This standard does not apply to external circuits and their components intended to be connected to the input and output terminals or socket-outlets of the transformer.

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AS/NZS 61558.2.9:2003 is cited by AS/NZS 3000:2007 Electrical installations (known as the Australian/New Zealand Wiring Rules)

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