

Compulsory Specification for

Appliance couplers

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STANDARDS ACT, 1993

COMPULSORY SPECIFICATION FOR APPLIANCE COUPLERS

I, Alec Erwin, Minister of Trade and Industry, hereby under section 22 (1) (a) (ii) of the Standards Act, 1993 (Act No. 29 of 1993), and on the recommendation of the Council of the South African Bureau of Standards, declare the specification contained in the Schedule to be a compulsory specification for appliance couplers with effect from the date two months after publication of this notice with the simultaneous withdrawal of the compulsory specification for appliance couplers for domestic appliances published by Schedule 10 of Government Notice No. R. 1615 of 22 October 1965.

A. ERWIN**Minister of Trade and Industry**

SCHEDULE

COMPULSORY SPECIFICATION FOR APPLIANCE COUPLERS

1 Scope

1.1 This specification covers two-pole appliance couplers for a.c. only, with or without earthing contact, with rated voltage in the range 50 V to 250 V and a rated current not exceeding 16 A, for household and similar general purposes and intended for the connection of a supply cord to electrical appliances or other electrical equipment.

2 Definitions

For the purposes of this specification, the following definitions apply:

2.1 appliance coupler: A means that enables the connection and disconnection, at will, of a cord to an appliance or other equipment and that consists of a connector and an appliance inlet.

2.2 appliance inlet: The part of the appliance coupler that is integrated or incorporated in the appliance or equipment or is intended to be fixed to it.

2.3 connector: The part of the appliance coupler that is integral with, or intended to be attached to, the cord connected to the supply.

3 Requirements

An appliance coupler shall comply with the relevant of the following clauses of SABS IEC 320-1, *Appliance couplers for household and similar general purposes – Part 1: General requirements*, as published by Government Notice 1084 (Government Gazette No. 17287) of 5 July 1996:

- 4 General requirements
- 6 Standard ratings
- 7 Classification
- 8 Marking
- 9 Dimensions and compatibility
- 10 Protection against electric shock
- 11 Provision for earthing
- 12 Terminals and terminations
- 13 Construction
- 14 Moisture resistance
- 15 Insulation resistance and electric strength
- 16 Forces necessary to insert and to withdraw the connector

- 17 Operation of contacts
- 18 Resistance to heating of appliance couplers for hot conditions or very hot conditions
- 19 Breaking capacity
- 20 Normal operation
- 21 Temperature rise
- 22 Cords and their connection
- 23 Mechanical strength
- 24 Resistance to heat and ageing
- 25 Screws, current-carrying parts and connections
- 26 Creepage distances, clearances and distances through insulation
- 27 Resistance of insulating material to heat, fire and tracking
- 28 Resistance to rusting