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## AS 60947.4.1-2004 Low-voltage switchgear and controlgear - Part 4.1: Contactors and motor-starters - Electromechanical contactors and motor-starters

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Abbreviation

AS 60947.4.1-2004

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**Description**

This Standard specifies requirements and tests for contactors, whose main contacts are intended to be connected to circuits, the rated voltage of which does not exceed 1000 V a.c. or 1500 V d.c. It applies to contactors associated with overload or short-circuit protective devices, starters associated with short-circuit and integrated overload protective devices and contactors and starters with their own short-circuit protective devices.

This Standard is identical with and reproduced from consolidated Edition 2.1(2002-2) of IEC 60947-4-1.

**Scope**

This part of AS 60947 applies to the types of equipment listed in 1.1 and 1.2 whose main contacts are intended to be connected to circuits the rated voltage of which does not exceed 1000 V a.c. or 1500 V d.c.

Starters and/or contactors dealt with in this standard are not normally designed to interrupt short-circuit currents. Therefore, suitable short-circuit protection (see 9.3.4) shall form part of the installation but not necessarily of the contactor or the starter.

In this context, this standard gives requirements for:

- contactors associated with overload and/or short-circuit protective devices;
- starters associated with separate short-circuit protective devices and/or with separate short-circuit and integrated overload

protective devices;

- contactors or starters combined, under specified conditions, with their own short-circuit protective devices. Such combinations, e.g. combination starters (see 3.2.7) or protected starters (see 3.2.8) are rated as units.

Circuit-breakers and fuse-combination units used as short-circuit protective devices in combination starters and in protected starters shall comply with the requirements of IEC 60947- 2 AS 60947.2 (Part 2) and IEC 60947-3 AS/NZS 3947.3 (Part 3), as the case may be.

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- [AS/NZS 3000:2007](#)

AS 60947.4.1-2004 is cited by AS/NZS 3000:2007 Electrical installations (known as the Australian/New Zealand Wiring Rules)

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