

Australian Standard™

**Safety of machinery—Functional safety
of safety-related electrical, electronic
and programmable electronic control
systems**



This Australian Standard was prepared by Committee EL-017, Electrical Equipment of Industrial Machinery. It was approved on behalf of the Council of Standards Australia on 19 April 2006.

This Standard was published on 10 May 2006.

The following are represented on Committee EL-017:

Australian Electrical and Electronic Manufacturers Association
Department of Consumer and Employment Protection, WorkSafe Division (WA)
Department of Industrial Relations (QLD)
Department of Primary Industries, Mine Safety (NSW)
Electrical Regulatory Authorities Council
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This Standard was issued in draft form for comment as DR 06015.

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First published as AS 62061—2006.

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Published by Standards Australia, GPO Box 476, Sydney, NSW 2001, Australia

ISBN 0 7337 7400 8

PREFACE

This Standard was prepared by the Standards Australia Committee EL-017, Electrical Equipment of Industrial Machinery.

The objective of this Standard is to provide guidance and criteria on the use of safety-related electrical control systems, with the goal of ensuring a suitably high level of performance. More information is given in the Introduction.

This Standard is technically identical with, and has been reproduced from IEC 62061, Ed. 1.0 (2005), *Safety of machinery—Functional safety of safety-related electrical, electronic and programmable electronic control systems*.

Editorial variations to IEC 62061, Ed. 1.0 (2005) are indicated at the appropriate places throughout this standard. Strikethrough (~~example~~) identifies IEC text, tables and figures which, for the purposes of this Australian Standard, are deleted. Where text, tables or figures are added, each is set in its proper place and identified by shading (example). Added figures are not themselves shaded, but are identified by a shaded border.

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