AS/NZS 62026.3:2001
IEC 62026-3:2000

Australian/New Zealand Standard™

Low-voltage switchgear and controlgear—Controller-device interfaces (CDIs)

Part 3: DeviceNet

Standards Australia
STANDARDS NEW ZEALAND

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-006, Industrial Switchgear and Controlgear. It was approved on behalf of the Council of Standards Australia on 21 March 2001 and on behalf of the Council of Standards New Zealand on 4 May 2001. It was published on 5 June 2001.

The following interests are represented on Committee EL-006:

Australasian Railway Association
Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Bureau of Steel Manufacturers of Australia
Electrical Contractors Association of New Zealand
Electricity Supply Association of Australia
Independent Electrical Switchboard Manufacturers Association
Institution of Engineers Australia
Ministry of Economic Development New Zealand
National Electrical and Communications Association
Testing Interests (Australia)
WorkCover N. S. W.

Keeping Standards up-to-date

Standards are living documents which reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued. Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments which may have been published since the Standard was purchased.

Detailed information about joint Australian/New Zealand Standards can be found by visiting the Standards Australia web site at www.standards.com.au or Standards New Zealand web site at www.standards.co.nz and looking up the relevant Standard in the on-line catalogue.

Alternatively, both organizations publish an annual printed Catalogue with full details of all current Standards. For more frequent listings or notification of revisions, amendments and withdrawals, Standards Australia and Standards New Zealand offer a number of update options. For information about these services, users should contact their respective national Standards organization.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of either Standards Australia International or Standards New Zealand at the address shown on the back cover.

This Standard was issued in draft form for comment as DR 00318.

Australian/New Zealand Standard™

Low-voltage switchgear and controlgear—Controller-device interfaces (CDIs)

Part 3: DeviceNet

First published as AS/NZS 62026.3:2001.

Jointly published by Standards Australia International Ltd, GPO Box 5420, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6020

ISBN 0 7337 3865 6

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-006, Industrial Switchgear and Controlgear.

The objective of this Standard is to specify requirements for interfaces between controllers and switching elements, normal service conditions for devices, constructional and performance requirements and tests to verify conformance to requirements.

This Standard is Part 3 of a series which, when complete, will consist of the following:

AS/NZS	
62026	Low-voltage switchgear and controlgear—Controller-device interfaces (CDIs)
62026.1	Part 1: General rules
62026.2	Part 2: Actuator sensor interface (AS-i)
62026.3	Part 3: DeviceNet (This Standard)
62026.5	Part 5: Smart distributed system (SDS)
62026.6	Part 6: Seriplex (Serial multiplexed control Bus)

This Standard is identical with and has been reproduced from IEC 62026-3:2000, *Low-voltage switchgear and controlgear—Controller-device interfaces (CDIs)—Part 3: DeviceNet*.

This Standard covers a DeviceNet intended for use in, but not limited to, industrial automation applications. These applications may include devices such as limit switches, proximity sensors, electro-pneumatic valves, relays, motor-starters, operator interface panels, analogue inputs, analogue outputs and controllers.

The provisions of the general rules in AS/NZS 62026.1 are applicable to this Joint Australian/New Zealand Standard, where specifically called for. General rules, clauses and subclauses thus applicable, as well as tables, figures and annexes, are identified by reference to Part 1 of the IEC Standard from which this Standard is reproduced, for example subclause 7.2.4.1 of IEC 62026-1.

A reference to an International Standard identified in the Normative References Clause by strikethrough (~~example~~) is replaced by a reference to the Australian or Australian/New Zealand Standard(s) listed immediately thereafter and identified by shading (example). Where the struck-through referenced document and the referenced Australian or Australian/New Zealand Standard are identical, this is indicated in parenthesis after the title of the latter.

As this Standard is reproduced from an International Standard, the following applies:

(a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.

(b) In the source text ‘this standard’ should read ‘this Australian/New Zealand Standard’.

(c) A full point should be substituted for a comma when referring to a decimal marker.

The term ‘normative’ has been used in this Standard to define the application of the annex to which it applies. A ‘normative’ annex is an integral part of a Standard.

CONTENTS

Page