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National Standards
Authority of Ireland
Glasnevin, Dublin 9
Ireland

Tel: +353 1 807 3800
Fax: +353 1 807 3838
<http://www.nsai.ie>

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EUROPEAN STANDARD

EN 50325-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2002

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Supersedes EN 50325-1:2000

English version

**Industrial communications subsystem
based on ISO 11898 (CAN)
for controller-device interfaces
Part 1: General requirements**

Sous-système de communications
industriel basé sur l'ISO 11898 (CAN)
pour les interfaces des dispositifs de
commande
Partie 1: Prescriptions générales

Industrielles Kommunikationssystem
basierend auf ISO 11898 (CAN)
Teil 1: Allgemeine Anforderungen

This European Standard was approved by CENELEC on 2002-07-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in one official version (English). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

This European Standard was prepared by the Technical Committee CENELEC TC 65CX, Fieldbus.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 50325-1 on 2002-07-01.

This European Standard replaces EN 50325-1:2000.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2003-07-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2005-07-01

This European standard is divided into four parts:

Part 1	General requirements
Part 2	DeviceNet
Part 3	Smart Distributed System (SDS)
Part 4	CANopen

NOTE This European Standard exists only in English.

The specifications for DeviceNet, SDS and CANopen are based on ISO 11898 *Controller area network (CAN) for high-speed communication*, a broadcast-oriented communications protocol. However, ISO 11898 specifies only part of a complete communication system, and additional specifications are needed for other layers to ensure precise data exchange functionality and support of inter-operating devices. The DeviceNet and SDS specifications build on ISO 11898 to describe a complete industrial communication system.

General information on licensing and patents

CENELEC calls attention to the fact that patent rights are linked to part 3 of this EN 50325. The patent holder, Honeywell Inc., has assured to CENELEC that it is willing to grant a licence under these patents on reasonable and non discriminatory terms and conditions to anyone wishing to obtain such a license, applying the rules of CEN/CENELEC Memorandum 8.

CENELEC takes no position concerning the evidence, validity and scope of this patent right.

Honeywell's undertakings (policy letter on licensing, the license offer and the form of license) in this respect are on file with CENELEC and available for inspection by all interested parties at the CENELEC Central Secretariat.

The license details may be obtained from

The Director
(Industrial Marketing and Applied Technology Sensing and Controls Europe)
Honeywell Control Systems Ltd.
Newhouse Industrial Estate,
Motherwell,
Lanarkshire
Scotland ML1 5SB
GB

Attention is drawn to the possibility that some of the elements of this European Standard may be the subject of patent rights other than those identified above. CENELEC shall not be held responsible for identifying any or all such patent rights.

Further attention is drawn to the Standards EN 50325-2 (DeviceNet) and EN 50325-4 (CANopen) and the possibility that some of the elements of those European Standards may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights

If during the application of those Standards Intellectual Property Rights may appear and will not be made available on reasonable and non discriminatory terms and conditions to anyone wishing to obtain such a license, applying the rules of CEN/CENELEC Memorandum 8, this fact shall be brought to the attention of CENELEC Central Secretariat for further action.

Contents

		Page
	Introduction	5
1	Scope	6
2	Normative references	7
3	Definitions	7
4	Classifications	8
5	Characteristics	9
	5.1 General	9
	5.2 Components of the network	9
	5.3 Network interfaces	9
	5.4 Topology	9
	5.5 Information exchanges	10
	5.6 Network attributes	10
6	Product information	10
	6.1 Instructions for installation, operation and maintenance	10
	6.2 Marking	10
7	Normal service, transport and mounting conditions	11
	7.1 Normal service conditions	11
	7.1.1 General	11
	7.1.2 Ambient air temperature	11
	7.1.3 Altitude	11
	7.1.4 Humidity	11
	7.1.5 Pollution degree	11
	7.1.6 Sealed connectors	11
	7.2 Conditions during transport and storage	11
	7.3 Mounting	11
8	Constructional and performance requirements	12
	8.1 General	12
	8.2 Electromagnetic compatibility (EMC)	12
9	Tests	12

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