SLOVENSKI STANDARD
SIST EN 61131-9:2014

01-september-2014

Programirljivi kontrolniki - 9. del: Enožični digitalni komunikacijski vmesnik za male senzorje in dajalnike (SDCI) (IEC 61131-9:2013)

Programmable controllers - Part 9: Single-drop digital communication interface for small sensors and actuators (SDCI) (IEC 61131-9:2013)

Speicherprogrammierbare Steuerungen - Teil 9: Leitlinien für die Anwendung und Implementierung von Programmiersprachen für Speicherprogrammierbare Steuerungen (IEC 61131-9:2013)

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Automates programmables - Partie 9: Interface de communication numérique point à point pour les petits capteurs et actionneurs (SDCI) (CEI 61131-9:2013)

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Ta slovenski standard je istoveten z: **EN 61131-9:2013**

ICS:

25.040.40	Merjenje in krmiljenje industrijskih postopkov	Industrial process measurement and control
35.240.50	Uporabniške rešitve IT v industriji	IT applications in industry

SIST EN 61131-9:2014 **en**

2003-01.Slovenski inštitut za standardizacijo. Razmnoževanje celote ali delov tega standarda ni dovoljeno.

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 61131-9

December 2013

ICS 25.040.40; 35.240.50

English version

Programmable controllers - Part 9: Single-drop digital communication interface for small sensors and actuators (SDCI)

(IEC 61131-9:2013)

Automates programmables - Partie 9: Interface de communication numérique point à point pour petits capteurs et actionneurs (SDCI) (CEI 61131-9:2013)

Speicherprogrammierbare Steuerungen - Teil 9: Schnittstelle für die Kommunikation mit kleinen Sensoren und Aktoren über eine Punkt-zu-Punkt-Verbindung (IEC 61131-9:2013)

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

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
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Foreword

The text of document 65B/874/FDIS, future edition 1 of IEC 61131-9, prepared by SC 65B, "Measurement and control devices", of IEC/TC 65, "Industrial-process measurement, control and automation" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61131-9:2013.

The following dates are fixed:

• latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2014-07-16
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2016-10-16

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The text of the International Standard IEC 61131-9:2013 was approved by CENELEC as a European Standard without any modification.

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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

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IEC 60870-5-1:1990	NOTE	Harmonised as EN 60870-5-1:1993 (not modified).
IEC 61158-2	NOTE	Harmonised as EN 61158-2 (not modified).
IEC/TR 62453-61	NOTE	Harmonised as CLC/TR 62453-61 (not modified).
ISOIEC 7498-1	NOTE	Harmonised as EN ISOIEC 7498-1 (not modified).

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Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Publication	Year	Title	EN/HD	Year
IEC 60947-5-2	-	Low-voltage switchgear and controlgear - Part 5-2: Control circuit devices and switching elements - Proximity switches	EN 60947-5-2	-
IEC 61000-4-2	-	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test	EN 61000-4-2	-
IEC 61000-4-3	-	Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test	EN 61000-4-3	-
IEC 61000-4-4	-	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test	EN 61000-4-4	-
IEC 61000-4-5	-	Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test	FprEN 61000-4-5	-
IEC 61000-4-6	-	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields	FprEN 61000-4-6	-
IEC 61000-4-11	-	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests	EN 61000-4-11	-
IEC 61000-6-2	-	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments	EN 61000-6-2 + corr. September	- -
IEC 61000-6-4	-	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments	EN 61000-6-4	-
IEC 61076-2-101	-	Connectors for electronic equipment - Product requirements - Part 2-101: Circular connectors - Detail specification for M12 connectors with screw-locking	EN 61076-2-101	-
IEC 61131-1	-	Programmable controllers - Part 1: General information	EN 61131-1	-

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Publication	Year	Title	EN/HD	Year
IEC 61131-2	-	Programmable controllers - Part 2: Equipment requirements and tests	EN 61131-2[1)]	-
IEC/TR 62390	-	Common automation device - Profile guideline	-	-
ISO/IEC 646	1991	Information technology - ISO 7-bit coded character set for information interchange	-	-
ISO/IEC 2022	-	Information technology - Character code structure and extension techniques	-	-
ISO/IEC 10646	-	Information technology - Universal Coded Character Set (UCS)	-	-
ISO/IEC 10731	-	Information technology - Open Systems Interconnection - Basic reference model - Conventions for the definition of OSI services	-	-
ISO 1177	-	Information processing - Character structure for start/stop and synchronous character-oriented transmission	-	-
IEEE 754	2008	Binary floating-point arithmetic	-	-

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[1)] EN 61131-2 is superseded by EN 61010-2-201:2013, which is based on IEC 61010-2-201:2013.

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IEC 61131-9

Edition 1.0 2013-09

INTERNATIONAL STANDARD

NORME INTERNATIONALE

colour inside

Programmable controllers –
Part 9: Single-drop digital communication interface for small sensors and actuators (SDCI)

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