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BS EN 61784-5-3:2013



BSI Standards Publication

Industrial communication networks — Profiles

Part 5-3: Installation of fieldbuses —
Installation profiles for CPF 3

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This British Standard is the UK implementation of EN 61784-5-3:2013. It is identical to IEC 61784-5-3:2013. It supersedes BS EN 61784-5-3:2012 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee AMT/7, Industrial communications: process measurement and control, including fieldbus.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Amendments/corrigenda issued since publication

Date	Text affected
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English version

**Industrial communication networks -
Profiles -
Part 5-3: Installation of fieldbuses -
Installation profiles for CPF 3
(IEC 61784-5-3:2013)**

Réseaux de communication industriels -
Profils -
Partie 5-3: Installation des bus de terrain -
Profils d'installation pour CPF 3
(CEI 61784-5-3:2013)

Industrielle Kommunikationsnetze -
Profile -
Teil 5-3: Feldbusinstallation -
Installationsprofile für die
Kommunikationsprofilfamilie 3
(IEC 61784-5-3:2013)

This European Standard was approved by CENELEC on 2013-10-18. 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.

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CENELEC

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B - 1000 Brussels

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The text of document 65C/738/FDIS, future edition 3 of IEC 61784-5-3, prepared by SC 65C "Industrial networks" of IEC/TC 65 "Industrial-process measurement, control and automation" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61784-5-3:2013.

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) 2014-07-18
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2016-10-18

This document supersedes EN 61784-5-3:2012.

EN 61784-5-3:2013 includes the following significant technical changes with respect to EN 61784-5-3:2012:

- an addition of 4-pair cabling (see C.4.4.1.2.1 and C.5.3.2);
- an addition of the connector M12 X-Coding (see C.4.4.2.2);
- an addition of the definition of end-to-end links (see C.4.4.3.1);
- a revision of Table C.17 (see C.5.2.1) and a formula for the NEXT limits of end-to-end links (see C.6.3.2.1.2).

This standard is to be used in conjunction with EN 61918:2013.

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Endorsement notice

The text of the International Standard IEC 61784-5-3:2013 was approved by CENELEC as a European Standard without any modification.

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(normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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.

Annex ZA of EN 61918:2013 applies, except as follows:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
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Addition to Annex ZA of EN 61918:2013:

IEC 61918	2013	Industrial communication networks - Installation of communication networks in industrial premises	EN 61918	2013
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CONTENTS

INTRODUCTION.....	9
1 Scope.....	10
2 Normative references	10
3 Terms, definitions and abbreviated terms	10
4 CPF 3: Overview of installation profiles	10
5 Installation profile conventions	11
6 Conformance to installation profiles.....	11
Annex A (normative) CP 3/1 (PROFIBUS) specific installation profile.....	13
A.1 Installation profile scope.....	13
A.2 Normative references	13
A.3 Installation profile terms, definitions, and abbreviated terms.....	13
A.3.1 Terms and definitions	13
A.3.2 Abbreviated terms	14
A.3.3 Conventions for installation profiles	14
A.4 Installation planning	14
A.4.1 General	14
A.4.2 Planning requirements.....	14
A.4.3 Network capabilities	16
A.4.4 Selection and use of cabling components	18
A.4.5 Cabling planning documentation.....	28
A.4.6 Verification of cabling planning specification	28
A.5 Installation implementation	28
A.5.1 General requirements.....	28
A.5.2 Cable installation.....	28
A.5.3 Connector installation.....	30
A.5.4 Terminator installation.....	33
A.5.5 Device installation	34
A.5.6 Coding and labeling.....	34
A.5.7 Earthing and bonding of equipment and device and shielded cabling.....	34
A.5.8 As-implemented cabling documentation.....	35
A.6 Installation verification and installation acceptance test.....	35
A.6.1 General	35
A.6.2 Installation verification.....	35
A.6.3 Installation acceptance test	37
A.7 Installation administration.....	43
A.8 Installation maintenance and installation troubleshooting	43
Annex B (normative) CP 3/2 (PROFIBUS) specific installation profile.....	44
B.1 Installation profile scope.....	44
B.2 Normative references	44
B.3 Installation profile terms, definitions, and abbreviated terms.....	44
B.3.1 Terms and definitions	44
B.3.2 Abbreviated terms	45
B.3.3 Conventions for installation profiles.....	45
B.4 Installation planning	46