



BSI Standards Publication

Industrial communications subsystem based on ISO 11898 (CAN) for controller-device interfaces

Part 1: General requirements

National foreword

This British Standard is the UK implementation of EN 50325-1:2019. It supersedes BS EN 50325-1:2002, which will be withdrawn on 1 November 2022.

The UK participation in its preparation was entrusted to Technical Committee GEL/65/3, Industrial communications: process measurement and control, including fieldbus.

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

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Published by BSI Standards Limited 2020

ISBN 978 0 539 03546 9

ICS 25.040.40; 35.240.50; 43.040.15; 43.180

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 May 2020.

Amendments/corrigenda issued since publication

Date	Text affected
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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

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European foreword

This document (EN 50325-1:2019) has been prepared by the CLC/TC 65X, "Industrial-process measurement, control and automation".

The following dates are fixed:

- latest date by which this document has (dop) 2020-11-01
to be implemented at national level by
publication of an identical national
standard or by endorsement
- latest date by which the national (dow) 2022-11-01
standards conflicting with this document
have to be withdrawn

This document supersedes EN 50325-1:2002 and all of its amendments and corrigenda (if any).

This European standard is divided into five parts:

Part 1 General requirements

Part 2 withdrawn

Part 3 withdrawn

Part 4 CANopen

Part 5 Functional safety communication based on EN 50325-4

The specifications for CANopen and Functional safety communication based on EN 50325-4 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.

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EN 50325-4:

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