SLOVENSKI STANDARD
SIST EN 50436-7:2024

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Alkoholne zapore - Preskusne metode in zahtevane lastnosti - 7. del: Navodilo za namestitev

Alcohol interlocks - Test methods and performance requirements - Part 7: Installation document

Alkohol-Interlocks - Prüfverfahren und Anforderungen an das Betriebsverhalten - Teil 7: Einbaudokument

Ethylotests anti-démarrage - Méthodes d'essais et exigences de performance - Partie 7: Document d'installation

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43.040.80	Sistemi za zaščito pri trku in sistemi za zadrževanje potnikov	Crash protection and restraint systems

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Alcohol interlocks - Test methods and performance requirements - Part 7: Installation document

Ethylotests antidémarrage - Méthodes d'essais et exigences de performance - Partie 7: Document d'installation

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European foreword

This document (EN 50436-7:2024) has been prepared by CLC/BTTF 116-2 “Alcohol Interlocks”.

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2025-07-01
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2027-07-01

This document supersedes EN 50436-7:2016 and all of its amendments and corrigenda (if any).

EN 50463-7:2024 includes the following significant technical changes with respect to EN 50436-7:2016:

— Clause 2, Normative references: ISO 16750-2:2023 was added;

— Clause 6.7, Installation Instructions: details of the databus connection were updated;

— Clause 6.9, Mounting position of alcohol interlock handset and alcohol interlock control unit: complete clause was updated to define the responsibility for installation of aftermarket devices;

— Table C.1, Information of the connection schematics: cell of item 1 under the column “Function” was updated to differentiate between “operational mode” and “low power consumption”;

— Footnote “a” and footnote “c” of Table C.1 were updated;

— Bibliography: item 1 was replaced with the information of the published standard.

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Introduction

The purpose of alcohol interlocks is to enhance traffic safety by preventing persons with alcohol concentrations exceeding a set limit value from driving a motor vehicle. EN 50436 series specifies test methods and essential performance requirements for alcohol interlocks and gives guidance for authorities, decision makers, purchasers and users.

There are several ways in which alcohol interlocks can be used:

— installed in a vehicle as a general preventive measure for the promotion of traffic safety, on a voluntary basis or required legally in certain vehicles (e.g. vehicles for children transport); or

— in vehicles as ordered by a court or an administrative authority as part of a drink-driving offender programme; or

— for persons subject to a medical or rehabilitation programme.

Alcohol interlocks are often intended for aftermarket installation. For this purpose, they are connected to the electric and control circuits of the vehicle.

This installation of an alcohol interlock should not interfere with the proper performance of the vehicle, should not impair the safety and security of the vehicle and should be as simply as possible. Additionally, the installation costs should be low in relation to the total cost of the alcohol interlock.

Therefore, it is desirable to have a standardized installation document to provide technical information to the installer of an alcohol interlock into a certain vehicle model, while the responsibility for the safe installation will remain on the alcohol interlock installer.