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(ICS 13.320; 43.020)

SPECIFICATION FOR

Alarm systems – Alarm systems for road vehicles – Passenger cars

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National Foreword

This Singapore Standard was prepared by the Technical Committee for the establishment of Specification on Alarm Systems for Road Vehicles - Passenger Cars under the direction of the Electrical and Electronic Product Standards Committee.

This Singapore Standard is identical with (the First Edition of) IEC 60839-10-1 : 1995-12, Part 10 : Alarm System for Road Vehicles - Section 1 : Passenger cars which is published by the International Electrotechnical Commission (IEC).

Attention is also drawn to the following:

1. IEC 529 : 1989 referred to shall be replaced by Singapore Standard SS IEC 529 : Degrees of protection provided by enclosures (IP Code)

2. Whenever the phrase 'This section of IEC 839-10' appears, it should be interpreted as 'This Singapore Standard'.

NOTE

1. *Singapore Standards are subject to periodic review to keep abreast of technological changes and new technical developments. The revisions of Singapore Standards are announced through the issue of either amendment slips or revised editions.*

2. *Compliance with a Singapore Standard does not exempt users from legal obligations.*

Specification for alarm systems – Alarm systems for road vehicles – Passenger cars

1 Scope

This section of IEC 839-10 specifies requirements and test methods for vehicle security alarm systems (VSAS) intended for installation within vehicles used for the carriage of passengers and having not more than eight seats in addition to the driver's seat.

The object of the standard is to ensure a high standard of safety, performance and reliability of the VSAS and the reduction of false alarms.

The standard covers VSAS designed to detect and signal the unauthorized opening of any of the vehicle doors, boot/luggage compartment, bonnet/engine hood and, in addition, to immobilize the vehicle when set.

The standard covers VSAS intended both for installation as original equipment and for installation after delivery of the vehicle.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this section of IEC 839-10. At the time of publication, the editions indicated were valid. All normative documents are subject to revision, and parties to agreements based on this section of IEC 839-10 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 68-1: 1988, *Environmental testing – Part 1: General and guidance*

IEC 68-2: 1988, *Environmental testing – Part 2: Tests*

IEC 529: 1989, *Degrees of protection provided by enclosures (IP Code)*

IEC 839-1-3: 1988, *Alarm systems – Part 1: General requirements – Section Three – Environmental testing*

CISPR 12: 1990, *Limits and methods of measurement of radio interference characteristics of vehicles, motor boats and spark-ignited engine-driven devices*

ISO 512: 1979, *Road vehicles – Sound signalling devices – Technical specifications*

ISO 7637-1: 1990, *Road vehicles – Electrical disturbancess by conduction and coupling – Part 1: Passenger cars and light commercial vehicles with nominal 12 V supply voltage – Electrical transient conduction along supply lines only*

ISO 7637-3: 1995, *Road vehicles – Electrical disturbances by conduction and coupling – Part 3: Passenger cars and light commercial vehicle with nominal 12 V supply voltage and commercial vehicles with 24 V supply voltage – Electrical transient transmission by capacitive and inductive coupling via lines other than supply lines*