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NORME EUROPÉENNE
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EN 62047-19

September 2013

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English version

**Semiconductor devices -
Micro-electromechanical devices -
Part 19: Electronic compasses
(IEC 62047-19:2013)**

Dispositifs à semiconducteurs –
Dispositifs microélectromécaniques -
Partie 19: Compas électroniques
(CEI 62047-19:2013)

Halbleiterbauelemente -
Bauelemente der Mikrosystemtechnik -
Teil 19: Elektronische Kompass
(IEC 62047-19:2013)

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The text of document 47F/156/FDIS, future edition 1 of IEC 62047-19, prepared by SC 47F "Microelectromechanical systems" of IEC/TC 47 "Semiconductor devices" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62047-19:2013.

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IEC 62047-19

Edition 1.0 2013-07

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Semiconductor devices – Micro-electromechanical devices –
Part 19: Electronic compasses**

**Dispositifs à semiconducteurs – Dispositifs microélectromécaniques –
Partie 19: Compas électroniques**



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INTERNATIONAL STANDARD

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**Semiconductor devices – Micro-electromechanical devices –
Part 19: Electronic compasses**

**Dispositifs à semiconducteurs – Dispositifs microélectromécaniques –
Partie 19: Compas électroniques**

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SEMICONDUCTOR DEVICES – MICRO-ELECTROMECHANICAL DEVICES –

Part 19: Electronic compasses

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International Standard IEC 62047-19 has been prepared by subcommittee 47F: Micro-electromechanical systems, of IEC technical committee 47: Semiconductor devices.

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FDIS	Report on voting
47F/156/FDIS	47F/163/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

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SEMICONDUCTOR DEVICES – MICRO-ELECTROMECHANICAL DEVICES –

Part 19: Electronic compasses

1 Scope

This part of IEC 62047 defines terms, definitions, essential ratings and characteristics, and measuring methods of electronic compasses. This standard applies to electronic compasses composed of magnetic sensors and acceleration sensors, or magnetic sensors alone. This standard applies to electronic compasses for mobile electronic equipment.

For marine electronic compasses, see ISO 11606.

Electronic compasses are called “e-compasses” for short. Types of e-compasses are: 2-axis e-compasses, 3-axis e-compasses, 6-axis e-compasses, etc., all of which are covered by this standard.

2 Normative references

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.

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