



**SLOVENSKI STANDARD**  
**SIST EN IEC 62246-4:2023**

**01-maj-2023**

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**Stikala reed - 4. del: Uporaba v povezavi z magnetnim prožilnikom za magnetno občutljive naprave**

Reed switches - Part 4: Application in conjunction with Magnetic Actuator used for Magnetic Sensing Devices

Reedschalter – Teil 4: Anwendung in Kombination mit magnetischem Stellglied für magnetsensitive Schutz-ausrüstung (MSPE)

Contacts à lames souples - Partie 4: Application en combinaison avec un actionneur magnétique utilisé pour les dispositifs de détection magnétiques

**Ta slovenski standard je istoveten z: EN IEC 62246-4:2023**

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**Reed switches - Part 4: Application in conjunction with magnetic actuator used for magnetic sensing devices  
(IEC 62246-4:2023)**

Contacts à lames souples - Partie 4: Application en combinaison avec un actionneur magnétique utilisé pour les dispositifs de détection magnétiques  
(IEC 62246-4:2023)

Reedschalter - Teil 4: Anwendung in Verbindung mit einem magnetischen Aktuator, für magnetische Sensorik  
(IEC 62246-4:2023)

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**EN IEC 62246-4:2023 (E)****European foreword**

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- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2023-12-22
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The text of the International Standard IEC 62246-4:2023 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standard indicated:

	<a href="https://standards.iteh.ai/catalog/standards/sist/04f14bfd-7e16-429a-b80a-">https://standards.iteh.ai/catalog/standards/sist/04f14bfd-7e16-429a-b80a-</a>
IEC 60068-2-13:2021	NOTE Approved as EN IEC 60068-2-13:2021 (not modified)
IEC 60077-1:2017	NOTE Approved as EN 60077-1:2017 (not modified)
IEC 60077-2:2017	NOTE Approved as EN 60077-2:2017 (not modified)
IEC 60204-1:2016	NOTE Approved as EN 60204-1:2018 (modified)
IEC 60335-1:2020	NOTE Approved as EN IEC 60335-1:— <sup>1</sup> (not modified) + A11:— <sup>2</sup>
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IEC 60404-5:2015	NOTE Approved as EN 60404-5:2015 (not modified)
IEC 60404-14:2002	NOTE Approved as EN 60404-14:2002 (not modified)
IEC 60423:2007	NOTE Approved as EN 60423:2007 (not modified)
IEC 60601-1:2005	NOTE Approved as EN 60601-1:2006 (not modified) + A11:2011
IEC 60601-1:2005/A1:2012	NOTE Approved as EN 60601-1:2006/A1:2013 (not modified)
IEC 60601-1:2005/A2:2020	NOTE Approved as EN 60601-1:2006/A2:2021 (not modified)

<sup>1</sup> To be published. Stage at the time of publication: prEN IEC 60335-1:2022.

<sup>2</sup> To be published. Stage at the time of publication: prEN IEC 60335-1:2022/prAA:2022.

IEC 60695-10-2:2014	NOTE Approved as EN 60695-10-2:2014 (not modified)
IEC 60730-1	NOTE Approved as EN 60730-1
IEC 60945:2002	NOTE Approved as EN 60945:2002 (not modified)
IEC 60947-5-2	NOTE Approved as EN IEC 60947-5-2
IEC 60947-5-3	NOTE Approved as EN 60947-5-3
IEC 61010-1:2010	NOTE Approved as EN 61010-1:2010 (not modified)
IEC 61010-1:2010/A1:2016	NOTE Approved as EN 61010-1:2010/A1:2019
IEC 61010-2 (series)	NOTE Approved as EN IEC 61010-2 (series)
IEC 61108-1:2003	NOTE Approved as EN 61108-1:2003 (not modified)
IEC 61140:2016	NOTE Approved as EN 61140:2016 (not modified)
IEC 61508 (series)	NOTE Approved as EN 61508 (series)
IEC 61511-3:2016	NOTE Approved as EN 61511-3:2017 (not modified)
IEC 61557 (series)	NOTE Approved as EN 61557 (series)
IEC 62046:2018	NOTE Approved as EN IEC 62046:2018 (not modified)
IEC 62052-11:2020	NOTE Approved as EN IEC 62052-11:2021 (not modified) + A11:2022
IEC 62052-31:2015	NOTE Approved as EN 62052-31:2016 (not modified)
IEC 62053-22:2020	NOTE Approved as EN IEC 62053-22:2021 (not modified) + A11:2021
IEC 62059-32-1:2011	NOTE Approved as EN 62059-32-1:2012 (not modified)
IEC 62061	NOTE Approved as EN IEC 62061
IEC 62196-1:2014	NOTE Approved as EN 62196-1:2014 (modified)
IEC 62196-3:2014	NOTE Approved as EN 62196-3:2014 (not modified)
IEC 62246-1-1:2018	NOTE Approved as EN IEC 62246-1-1:2018 (not modified)
IEC 62267:2009	NOTE Approved as EN 62267:2009 (not modified)
IEC 62271-1:2017	NOTE Approved as EN 62271-1:2017 (not modified)
IEC 62388:2013	NOTE Approved as EN 62388:2013 (not modified)
CISPR 11:2015	NOTE Approved as EN 55011:2016 + A11:2020
CISPR 11:2015/A1:2016	NOTE Approved as EN 55011:2016/A1:2017 (not modified)
CISPR 14-1:2020	NOTE Approved as EN IEC 55014-1:2021 (not modified)
CISPR 32:2015	NOTE Approved as EN 55032:2015 (not modified) + A11:2020
ISO 228-1:2000	NOTE Approved as EN ISO 228-1:2003 (not modified)
ISO 4413:2010	NOTE Approved as EN ISO 4413:2010 (not modified)
ISO 4414:2010	NOTE Approved as EN ISO 4414:2010 (not modified)
ISO 12100:2010	NOTE Approved as EN ISO 12100:2010 (not modified)
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## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cencenelec.eu](http://www.cencenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-2-1	2007	Environmental testing - Part 2-1: Tests - Test A: Cold	EN 60068-2-1	2007
IEC 60068-2-2	2007	Environmental testing - Part 2-2: Tests - Test B: Dry heat	EN 60068-2-2	2007
IEC 60068-2-6	2007	Environmental testing - Part 2-6: Tests - Test Fc: Vibration (sinusoidal)	EN 60068-2-6	2008
IEC 60068-2-10	2005	Environmental testing - Part 2-10: Tests - Test J and guidance: Mould growth	EN 60068-2-10	2005
+ A1	2018		+ A1	2018
IEC 60068-2-11	2021	Environmental testing - Part 2-11: Tests - Test Ka: Salt mist	EN IEC 60068-2-11	2021
IEC 60068-2-17	1994	Basic environmental testing procedures - Part 2-17: Tests - Test Q: Sealing	EN 60068-2-17	1994
IEC 60068-2-18	2017	Environmental testing - Part 2-18: Tests - Test R and guidance: Water	EN 60068-2-18	2017
IEC 60068-2-21	2021	Environmental testing - Part 2-21: Tests - Test U: Robustness of terminations and integral mounting devices	EN IEC 60068-2-21	2021
IEC 60068-2-27	2008	Environmental testing - Part 2-27: Tests - Test Ea and guidance: Shock	EN 60068-2-27	2009
IEC 60068-2-31	2008	Environmental testing - Part 2-31: Tests - Test Ec: Rough handling shocks, primarily for equipment-type specimens	EN 60068-2-31	2008
IEC 60068-2-78	2012	Environmental testing - Part 2-78: Tests - Test Cab: Damp heat, steady state	EN 60068-2-78	2013
IEC 60079	series	Explosive atmospheres	EN IEC 60079	series
IEC 60079-0	2017	Explosive atmospheres - Part 0: Equipment - General requirements	EN IEC 60079-0	2018

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Publication	Year	Title	EN/HD	Year
IEC 60079-1	2014	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"	EN 60079-1	2014
IEC 60079-10-1	2020	Explosive atmospheres - Part 10-1: Classification of areas - Explosive gas atmospheres	EN IEC 60079-10-1	2021
IEC 60079-11	2011	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"	EN 60079-11	2012
IEC 60079-15	2017	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"	EN IEC 60079-15	2019
IEC 60079-18	2014	Explosive atmospheres - Part 18: Equipment protection by encapsulation "m"	EN 60079-18	2015
+ A1	2017		+ A1	2017
IEC 60417	-	Graphical symbols for use on equipment. Index, survey and compilation of the single sheets.	-	-
IEC 60529	1989	Degrees of protection provided by enclosures (IP Code)	EN 60529	1991
-	-		+ corrigendum	May 1993
+ A1	1999		+ A1	2000
+ A2	2013		+ A2	2013
IEC 60695-2-10	2021	Fire hazard testing - Part 2-10: Glowing/hot-wire based test methods - Glow-wire apparatus and common test procedure	EN IEC 60695-2-10	2021
IEC 60695-2-11	2021	Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end products (GWEPT)	EN IEC 60695-2-11	2021
IEC 60695-2-12	2021	Fire hazard testing - Part 2-12: Glowing/hot-wire based test methods - Glow-wire flammability index (GWFI) test method for materials	EN IEC 60695-2-12	2021
IEC 60695-2-13	2021	Fire hazard testing - Part 2-13: Glowing/hot-wire based test methods - Glow-wire ignition temperature (GWIT) test method for materials	EN IEC 60695-2-13	2021
IEC 60721-3-3	2019	Classification of environmental conditions - Part 3-3: Classification of groups of environmental parameters and their severities - Stationary use at weatherprotected locations	EN IEC 60721-3-3	2019
IEC 60947-5-1	2016	Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices	EN 60947-5-1	2017
IEC 61373	2010	Railway applications - Rolling stock equipment - Shock and vibration tests	EN 61373	2010



<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61810-1	2015	Electromechanical elementary relays - Part 1: General and safety requirements	EN 61810-1	2015
+ A1	2019		+ A1	2020
IEC 61810-7	2006	Electromechanical elementary relays - Part 7: Test and measurement procedures	EN 61810-7	2006
IEC 62246	series	Reed switches	EN 62246	series
IEC 62246-1	2015	Reed switches - Part 1: Generic specification	EN 62246-1	2015
ISO/IEC 80079-20-1	-	Explosive atmospheres - Part 20-1: Material characteristics for gas and vapour classification - Test methods and data	EN ISO/IEC 80079-20-1	2019
ISO 16750-3	2012	Road vehicles - Environmental conditions - and testing for electrical and electronic equipment - Part 3: Mechanical loads	-	-

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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



**Reed switches –**  
**Part 4: Application in conjunction with magnetic actuator used for magnetic sensing devices**

**Contacts à lames souples –**  
**Partie 4: Application en combinaison avec un actionneur magnétique utilisé pour les dispositifs de détection magnétiques**

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