

# Accreditation



The Deutsche Akkreditierungsstelle attests with this **Accreditation Certificate** that the testing laboratory

**Gütegemeinschaft Schlösser und Beschläge e.V.**  
**Offenstraße 12, 42551 Velbert**

meets the requirements of DIN EN ISO/IEC 17025:2018 for the conformity assessment activities specified in the following partial accreditation certificates. This includes additional existing legal and normative requirements for the testing laboratory, including those in relevant sectoral schemes, provided that these are explicitly confirmed in the annexes to the partial accreditation certificates listed below.

**D-PL-11024-01-01**

**D-PL-11024-01-02**

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and they conform to the principles of DIN EN ISO 9001.

This accreditation was issued in accordance with Art. 5 Para. 1 Sentence 2 of Regulation (EC) 765/2008, after an accreditation procedure was carried out in compliance with the minimum requirements of DIN EN ISO/IEC 17011 and on the basis of a review and decision of the appointed accreditation committees.

This accreditation certificate consists of this cover sheet, the reverse side of the cover sheet and the following annex. It only applies in connection with the partial accreditation certificates listed above and the notices referred to there.

Registration number of the certificate: **D-PL-11024-01-00**

Berlin, 18.10.2024

Dipl.-Ing. Evelyn Körner  
Head of Technical Unit

Translation issued:  
18.10.2024

  
Dipl.-Ing. Evelyn Körner  
Head of Technical Unit

*The certificate together with the annex reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH ([www.dakks.de](http://www.dakks.de)).*

**This document is a translation. The definitive version is the original German accreditation certificate.**

See notes overleaf

# Deutsche Akkreditierungsstelle GmbH

Office Berlin  
Spittelmarkt 10  
10117 Berlin

Office Frankfurt am Main  
Europa-Allee 52  
60327 Frankfurt am Main

Office Braunschweig  
Bundesallee 100  
38116 Braunschweig

The Deutsche Akkreditierungsstelle GmbH (DAkkS) is the entrusted national accreditation body of the Federal Republic of Germany according to § 8 section 1 AkkStelleG in conjunction with § 1 section 1 AkkStelleGBV. DAkkS is designated as the national accreditation authority by Germany according to Art. 4 Para. 4 of Regulation (EC) 765/2008 and clause 4.7 of DIN EN ISO/IEC 17000.

Pursuant to Art. 11 section 2 of Regulation (EC) 765/2008, the accreditation certificate shall be recognised as equivalent by the national authorities within the scope of this Regulation as well as by the WTO member states that have committed themselves in bilateral or multilateral mutual agreements to recognise the certificates of accreditation bodies that are members of ILAC or IAF as equivalent.

DAkkS is a signatory to the multilateral agreements for mutual recognition of the European co-operation for Accreditation (EA), International Accreditation Forum (IAF) and International Laboratory Accreditation Co-operation (ILAC).

The up-to-date state of membership can be retrieved from the following websites:

EA: [www.european-accreditation.org](http://www.european-accreditation.org)

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IAF: [www.iaf.nu](http://www.iaf.nu)

## Deutsche Akkreditierungsstelle

### Annex to the Accreditation Certificate D-PL-11024-01-00 according to DIN EN ISO/IEC 17025:2018

**Valid from:** 18.10.2024

**Date of issue:** 18.10.2024

Holder of accreditation certificate:

**Gütegemeinschaft Schlösser und Beschläge e.V.**  
**Offerstraße 12, 42551 Velbert**

The testing laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 to carry out the conformity assessment activities listed in this annex. The testing laboratory meets additional legal and normative requirements, if applicable, including those in relevant sectoral schemes, provided that these are explicitly confirmed in the annexes to the partial accreditation certificates listed below.

**D-PL-11024-01-01**

**D-PL-11024-01-02**

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and they conform to the principles of DIN EN ISO 9001.

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# Accreditation



The Deutsche Akkreditierungsstelle attests with this **Partial Accreditation Certificate** that the testing laboratory

## **Gütegemeinschaft Schlösser und Beschläge e.V.** **Offenstraße 12, 42551 Velbert**

meets the requirements according to DIN EN ISO/IEC 17025:2018 for the conformity assessment activities listed in the annex to this certificate. This includes additional existing legal and normative requirements for the testing laboratory, including those in relevant sectoral schemes, provided they are explicitly confirmed in the annex to this certificate.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and they conform to the principles of DIN EN ISO 9001.

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This partial accreditation certificate only applies in connection with the notice of 18.10.2024 with accreditation number D-PL-11024-01.

It consists of this cover sheet, the reverse side of the cover sheet and the following annex with a total of 10 pages.

Registration number of the partial accreditation certificate: **D-PL-11024-01-01**

It is a part of the accreditation certificate: D-PL-11024-01-00.

Berlin, 18.10.2024

Dipl.-Ing. Evelyn Körner  
Head of Technical Unit

Translation issued:  
18.10.2024

  
Dipl.-Ing. Evelyn Körner  
Head of Technical Unit

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## Deutsche Akkreditierungsstelle

### Annex to the Partial Accreditation Certificate

D-PL-11024-01-01

according to DIN EN ISO/IEC 17025:2018

Valid from: 18.10.2024

Date of issue: 18.10.2024

This annex is a part of the accreditation certificate D-PL-11024-01-00.

Holder of partial accreditation certificate:

**Gütegemeinschaft Schlösser und Beschläge e.V.**  
**Offerstraße 12, 42551 Velbert**

with the location

**Gütegemeinschaft Schlösser und Beschläge e.V.**  
**PIV Prüfinstitut Schlösser und Beschläge Velbert**  
**Wallstraße 41, 42551 Velbert**

The testing laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 to carry out the conformity assessment activities listed in this annex. The testing laboratory meets additional legal and normative requirements, if applicable, including those in relevant sectoral schemes, provided that these are explicitly confirmed below.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and they conform to the principles of DIN EN ISO 9001.

**Mechanical, mechatronic and technological tests on locks and fittings as well as windows, façades and doors, incl. testing the suitability for use and ageing of construction products, components and accessories of construction products; testing with regard to operability, long-term function, resistance to ageing behaviour and ageing behaviour under mechanical influences and environmental influences of construction products and their accessories, incl. burglary protection and impact resistance**

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Abbreviations used: see last page

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**Testing of construction products within the framework of Regulation (EU) No. 305/2011 laying down harmonised conditions for the marketing of construction products (Construction Products Regulation)**

**Flexible scope of accreditation:**

The testing laboratory is permitted to use the standardised or equivalent test methods listed here with different issue statuses within the test scopes marked with [Flex A] without the need for prior information and approval by DAkKS.

The testing laboratory has an up-to-date list of all test methods in the flexible scope of accreditation. The list is publicly available on the website of the testing laboratory.

Contents

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**Mechanical-technological and mechatronic-technological tests on locks and fittings as well as windows, façades and doors**

**1 Serviceability and ageing of building products, components and accessories [Flex A]  
*e.g. windows, house/interior doors, frames, door leaves, gates, façades, lightweight exterior walls, interior partition walls, conservatories, locks, fittings***

**1.1 Leak and pressure tests [Flex A]**

DIN EN 1026 2016-09	Windows and doors - Air permeability - Test method
DIN EN 1027 2016-09	Windows and doors - Water tightness - Test method
DIN EN 12153 2000-09	Curtain walling - Air permeability - Test methods <i>(withdrawn standard)</i>
DIN EN 12155 2000-10	Curtain walling - Watertightness - Laboratory test under static pressure
DIN EN 12179 2000-09	Curtain walling - Resistance to wind load - Test method
DIN EN 12211 2016-10	Windows and doors - Resistance to wind load - Test method
DIN EN 12865 2001-07	Hygrothermal performance of building components and building elements - Determination of the resistance of external wall systems to driving rain under pulsating air pressure

**1.2 Testing with regard to operability, continuous function, resistance to and ageing behaviour under mechanical and environmental influences [Flex A]**

DIN EN 947 1999-05	Hinged or pivoted doors - Determination of the resistance to vertical load
DIN EN 948 1999-11	Hinged or pivoted doors - Determination of the resistance to static torsion
DIN EN 949 1999-05	Windows and curtain walling, doors, blinds and shutters - Determination of the resistance to soft and heavy body impact for doors

Valid from: 18.10.2024

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DIN EN 950 1999-11	Door leaves - Determination of the resistance to hard body impact
DIN EN 951 1999-05	Door leaves - Method for measurement of height, width, thickness and squareness
DIN EN 952 1999-11	Door leaves - General and local flatness - Measurement method
DIN EN 1191 2013-04	Windows and doors - Resistance to repeated opening and closing - Test method
DIN EN 12046-1 2020-11	Operating forces - Test method - Part 1: Windows
DIN EN 12046-2 2000-12	Operating forces - Test method - Part 2: Doors
DIN EN 13126-1 2022-04	Building hardware - Hardware for windows and door height windows - Requirements and test methods - Part 1: Requirements common to all types of hardware
DIN EN 13126-2 2021-10	Building hardware - Hardware for windows and door height windows - Requirements and test methods - Part 2: Window fastener handles
DIN EN 13126-3 2023-04	Building hardware - Hardware for windows and door-height windows - Requirements and test methods - Part 3: Handles, primarily for Tilt and Turn, Tilt-First and Turn-Only hardware
DIN EN 13126-4 2022-04	Building hardware - Hardware for windows and door height windows - Requirements and test methods - Part 4: Espagnolettes
DIN EN 13126-5 2015-01	Building hardware - Hardware for windows and door height windows - Requirements and test methods - Part 5: Devices that restrict the opening of windows and door height windows
DIN EN 13126-6 2018-10	Building hardware - Hardware for windows and door height windows - Requirements and test methods - Part 6: Variable geometry stay hinges (with or without a friction stay)
DIN EN 13126-7 2021-10	Building hardware - Hardware for windows and door height windows - Requirements and test methods - Part 7: Finger catches

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DIN EN 13126-8 2018-01	Building hardware - Hardware for windows and door height windows - Part 8: Requirements and test methods for Tilt and Turn, Tilt-First and Turn-Only hardware
DIN EN 13126-9 2013-04	Building hardware - Requirements and test methods for windows and door height windows - Part 9: Hardware for horizontal and vertical pivot windows
DIN EN 13126-10 2009-02	Building hardware - Requirements and test methods for windows and doors height windows - Part 10: Arm-balancing systems
DIN EN 13126-11 2009-02	Building hardware - Requirements and test methods for windows and doors height windows - Part 11: Top hung projecting reversible hardware
DIN EN 13126-12 2009-03	Building hardware - Requirements and test methods for windows and doors height windows - Part 12: Side hung projecting reversible hardware
DIN EN 13126-13 2022-04	Building hardware - Hardware for windows and door height windows - Requirements and test methods - Part 13: Sash balances
DIN EN 13126-14 2022-04	Building hardware - Hardware for windows and door height windows - Requirements and test methods - Part 14: Sash fasteners
DIN EN 13126-15 2019-07	Building hardware - Hardware for windows and door height windows - Requirements and test methods - Part 15: Rollers for horizontal sliding and hardware for sliding folding windows
DIN EN 13126-16 2022-08	Building hardware - Hardware for windows and door height windows - Requirements and test methods - Part 16: Hardware for Lift and Slide windows
DIN EN 13126-17 2019-07	Building hardware - Hardware for windows and door height windows - Requirements and test methods - Part 17: Hardware for Tilt and Slide windows
DIN EN 13126-19 2011-05	Building hardware - Requirements and test methods for windows and door height windows - Part 19: Sliding Closing Devices
DIN EN 13527 2001-01	Shutters and blinds - Measurement of operating force - Test methods
DIN EN 14608 2004-09	Windows - Determination of the resistance to racking <i>(partial replacement for DIN EN 107)</i>

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DIN EN 14609 2004-09	Windows - Determination of the resistance to static torsion <i>(partial replacement for DIN EN 107)</i>
DIN 4102-18 1991-03	Fire behaviour of building materials and components; fire barriers, verification of automatic closure (continuous performance test)
FZG Guideline 2020-07	Test guideline for profile cylinders with freewheel function for geared locks in escape door locks <i>[in German: Prüfrichtlinie für Profilzylinder mit Freilauffunktion für Getriebebeschlässe in Fluchttürverschlüssen]</i>
RAL-GZ 607/2 2014-07	Mortise locks, tubular frame locks and multi-point locks <i>[in German: Einsteckschlösser, Rohrrahmenschlösser und Mehrfachverriegelungen]</i> <i>(limited to section 4)</i>
RAL-GZ 607/8 2014-07	Door and security door hinges <i>[in German: Tür- und Sicherheitstürbänder]</i> <i>(limited to section 3)</i>
RAL-GZ 607/12 2014-07	Test procedure for fanlight fittings <i>[in German: Prüfverfahren Oberlichtbeschläge]</i> <i>(limited to section 3)</i>
TBDK Guideline 2019-07	Fastening load-bearing hardware components of turn-only and tilt&turn fittings <i>[in German: Befestigung tragender Beschlagsteile von Dreh- und Drehkipp-Beschlägen]</i>

**1.3 Serviceability and ageing behaviour of accessories/components [Flex A]  
e.g. hinges, locks, door handle sets, protective fittings, window fittings, etc.**

DIN 18250 2006-09	Locks - Mortise locks for fire doors and smoke control doors <i>(withdrawn standard)</i>
DIN 18251 2020-04	Locks - Mortise locks and multipoint locks - Terms, definitions and dimensions
DIN 18251-1 2002-07	Locks - Mortice locks - Part 1: Mortice locks for rebated doors <i>(withdrawn standard)</i>
DIN 18251-2 2002-11	Locks - Mortise locks - Part 2: Mortise locks for tube frame doors <i>(withdrawn standard)</i>

Valid from: 18.10.2024

Date of issue: 18.10.2024

**Annex to the Partial Accreditation Certificate D-PL-11024-01-01**

DIN 18251-3 2002-11	Locks - Mortise locks - Part 3: Mortise locks as multipoint locks <i>(withdrawn standard)</i>
DIN 18252 2018-05	Profile cylinders for door locks - Terminology, dimensions, requirements, test methods and marking
DIN 18255 2020-05	Building hardware - Door lever handles, backplates and escutcheons - Definitions, dimensions, requirements and marking
DIN 18257 2022-02	Building hardware - Security plates - Definitions, dimensions, requirements, marking
DIN 18267 2015-02	Window handles - Clickable and lockable window handles
DIN 18273 2015-07	Building hardware - Lever handle units for fire doors and smoke control doors - Terms and definitions, dimensions, requirements, testing and marking
DIN 50018 2013-05	Testing in a saturated atmosphere in the presence of sulfur dioxide <i>(withdrawn standard)</i>
DIN EN 179 2008-04	Building hardware - Emergency exit devices operated by a lever handle or push pad, for use on escape routes - Requirements and test methods
DIN EN 1125 2008-04	Building hardware - Panic exit devices operated by a horizontal bar, for use on escape routes - Requirements and test methods
DIN EN 1303 2015-08	Building hardware - Cylinders for locks - Requirements and test methods
DIN EN 1527 2022-02	Building hardware - Hardware for sliding doors and folding doors - Requirements and test methods <i>(withdrawn standard)</i>
DIN EN 1670 2007-06 + Corrigendum 1 2008-07	Building hardware - Corrosion resistance - Requirements and test methods
DIN EN 1906 2012-12	Building hardware - Lever handles and knob furniture - Requirements and test methods

Valid from: 18.10.2024

Date of issue: 18.10.2024

**Annex to the Partial Accreditation Certificate D-PL-11024-01-01**

DIN EN 1935 2002-05	Building hardware - Single-axis hinges - Requirements and test methods
DIN EN 12209 2016-10	Building hardware - Mechanically operated locks and locking plates - Requirements and test methods
DIN EN 12320 2022-03	Building hardware - Padlocks and padlock fittings - Requirements and test methods
DIN EN 14648 2007-12	Building hardware - Fittings for shutters - Requirements and test methods
DIN EN 15496 2008-04	Cycles - Requirements and test methods for cycle locks
DIN EN 15684 2021-05	Building hardware - Mechatronic cylinders - Requirements and test methods
DIN EN 15685 2019-10 - draft	Building hardware - Requirements and test methods - Multipoint locks, latches and locking plates - Characteristics and test methods
DIN EN ISO 6270-2 2018-04	Paints and varnishes - Determination of resistance to humidity - Part 2: Condensation (in-cabinet exposure with heated water reservoir)
DIN EN ISO 6988 1997-03	Metallic and other non-organic coatings - Sulfur dioxide test with general condensation of moisture <i>(withdrawn standard)</i>
DIN EN ISO 9227 2023-03	Corrosion tests in artificial atmospheres - Salt spray tests

Valid from: 18.10.2024  
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**2 Security technology of building products and accessories - burglary protection and impact resistance [Flex A]**  
*e.g. windows, house/interior doors, shutters, gates, façades, lightweight exterior walls, glass/glazing, grilles, retrofit products and automatic/power-operated building products and their accessories*

DIN EN 1628 2021-11	Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Test method for the determination of resistance under static loading
DIN EN 1629 2021-11	Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Test method for the determination of resistance under dynamic loading
DIN EN 1630 2021-11	Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Test method for the determination of resistance to manual burglary attempts
DIN EN 12600 2003-04	Glass in building - Pendulum tests - Impact test method and classification for flat glass
DIN EN 13049 2003-08	Windows - Soft and heavy body impact - Test method, safety requirements and classification <i>(withdrawn standard)</i>
DIN 18104-1 2017-08	Mechanical security equipment - Part 1: Burglar resistant products for port installation for windows and doors - Requirements and test methods
DIN 18104-2 2021-12	Mechanical security devices - Part 2: Additional burglar resistant products for windows and doors - Requirements and test methods
DIN/TS 18194 2020-07	Industrial, commercial and garage doors and gates - Burglar resistance - Requirements, testing and classification

Valid from: 18.10.2024

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**3 Testing of construction products (system of assessment and verification of constancy of performance 3) within the scope of the Regulation (EU) No 305/2011 laying down harmonised conditions for the marketing of construction products (Construction Products Regulation)**

Decision / resolution of the commission	System <sup>1)</sup>	Technical specification
1996/580/EG Vorhangfassaden	3	EN 13830:2003 Vorhangfassaden – Produktnorm
1999/93/EG Türe, Fenster, Fensterläden, Rollläden, Tore und zugehörige Teile	3	EN 14351-1:2006+A2:2016 Fenster und Türen - Produktnorm, Leistungseigenschaften - Teil 1: Fenster und Außentüren

<sup>1)</sup> System of assessment and verification of consistency of performance

*The requirements for a testing laboratory are fulfilled according to article 43 of the Construction Products Regulation. Testing methods, which are necessary for determining the product type and cannot be executed by the holder of the certificate, are described in the list of subcontractors.*

*Without prior approval by the DAkkS German Accreditation Body, the testing laboratory body is permitted to use new revisions of product standards.*

**Abbreviations used:**

DIN	Deutsches Institut für Normung e.V. – German institute for standardization
DIN/TS	Vornorm
EN	Europäische Norm – European Standard
FZG Richtlinie	Richtlinie der Gütegemeinschaft Schlösser und Beschläge e.V.
IEC	International Electrotechnical Commission
ISO	International Organization for Standardisation
RAL	RAL Deutsches Institut für Gütesicherung und Kennzeichnung
TBDK	Richtlinie der Gütegemeinschaft Schlösser und Beschläge e.V.
TS	Technische Spezifikation

Valid from: 18.10.2024

Date of issue: 18.10.2024

# Accreditation



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**Gütegemeinschaft Schlösser und Beschläge e.V.**  
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This partial accreditation certificate only applies in connection with the notice of 18.10.2024 with accreditation number D-PL-11024-01.  
It consists of this cover sheet, the reverse side of the cover sheet and the following annex with a total of 6 pages.

Registration number of the partial accreditation certificate: **D-PL-11024-01-02**  
It is a part of the accreditation certificate: D-PL-11024-01-00.

Berlin, 18.10.2024

Dipl.-Ing. (FH) Florian Burkart  
Head of Technical Unit

Translation issued:  
08.01.2025



Dipl.-Ing. (FH) Florian Burkart  
Head of Technical Unit

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## Deutsche Akkreditierungsstelle

### Annex to the Partial Accreditation Certificate D-PL-11024-01-02 according to DIN EN ISO/IEC 17025:2018

**Valid from:** 18.10.2024

**Date of issue:** 08.01.2025

This annex is a part of the accreditation certificate D-PL-11024-01-00.

Holder of partial accreditation certificate:

**Gütegemeinschaft Schlösser und Beschläge e.V.  
Offerstraße 12, 42551 Velbert**

with the location

**Gütegemeinschaft Schlösser und Beschläge e.V.  
PIV Prüfinstitut Schlösser und Beschläge Velbert  
Wallstraße 41, 42551 Velbert**

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The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and they conform to the principles of DIN EN ISO 9001.

Tests in the following areas:

**Electromagnetic compatibility (EMC)  
Environmental simulation**

*This certificate annex is only valid together with the written accreditation certificate and reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at <https://www.dakks.de>.*

Abbreviations used: see last page

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This document is a translation. The definitive version is the original German annex to the accreditation certificate.

**Flexible scope of accreditation:**

**The testing laboratory is permitted to use the standardised or equivalent test methods listed here with different issue statuses without the need for prior information and approval from DAkkS (flexible accreditation according to category A).**

**The testing laboratory has a current list of all test methods in the flexible accreditation area. The list is publicly available on the website of the testing laboratory.**

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Area	Standard or Test Method / Issue Date	Title of the Standard or Test Method	Restrictions on the test method
<b>1</b>	<b>Electromagnetic Compatibility (EMC)</b>		
<b>1.1</b>	<b>Basic standards</b>		
EMC	DIN EN 61000-4-2 2009-12 VDE 0847-4-2 2009-12	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test (IEC 61000-4-2:2008)	
<b>1.2</b>	<b>Product family standards</b>		
<b>1.2.1</b>	<b>Locks and building hardware</b>		
EMC	DIN EN 14846 2008-11	Building hardware - Locks and latches - Electromechanically operated locks and striking plates - Requirements and test methods	<i>No test according to:</i> DIN EN 61000-4-3 DIN EN 61000-4-4 DIN EN 61000-4-5 DIN EN 61000-4-11 DIN EN 61000-4-29
EMC	DIN EN 15684 2021-05	Building hardware - Mechatronic cylinders - Requirements and test methods	
EMC	DIN EN 16864 2017-11	Building hardware - Mechatronic padlocks - Requirements and test methods	
EMC	DIN EN 16867 2022-02	Building hardware - Mechatronic door furniture - Requirements and test methods	<i>No test according to:</i> DIN EN 61000-4-3 DIN EN 61000-4-4 DIN EN 61000-4-5 DIN EN 61000-4-11 DIN EN 61000-4-29

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Area	Standard or Test Method / Issue Date	Title of the Standard or Test Method	Restrictions on the test method
<b>1.2.2 Doors</b>			
EMC	DIN EN 16361 2013-12	Power operated pedestrian doors - Product standard, performance characteristics - Pedestrian doorsets, other than swing type, initially designed for installation with power operation without resistance to fire and smoke leakage characteristics	<i>No test according to:</i> DIN EN 16005 DIN EN 61000-6-2 DIN EN 61000-6-3
<b>2 Environmental simulation</b>			
Environmental simulation	DIN EN 60068-2-1 2008-01	Environmental testing - Part 2-1: Tests - Test A: Cold (IEC 60068-2-1:2007)	
Environmental simulation	DIN EN 60068-2-2 2008-05	Environmental testing - Part 2-2: Tests - Test B: Dry heat (IEC 60068-2-2:2007)	
Environmental simulation	DIN EN 60068-2-6 2008-10	Environmental testing - Part 2-6: Tests - Test Fc: Vibration (sinusoidal) (IEC 60068-2-6:2007)	
Environmental simulation	DIN EN 60068-2-27 2010-02	Environmental testing - Part 2-27: Tests - Test Ea and guidance: Shock (IEC 60068-2-27:2008)	
Environmental simulation	DIN EN 60068-2-30 2006-06	Environmental testing - Part 2-30: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle) (IEC 60068-2-30:2005)	

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Area	Standard or Test Method / Issue Date	Title of the Standard or Test Method	Restrictions on the test method
Environmental simulation	DIN EN 60068-2-78 2014-02	Environmental testing - Part 2-78: Tests - Test Cab: Damp heat, steady state (IEC 60068-2-78:2012)	
Environmental simulation	DIN EN 1670 2007-06 + Corrigendum 1 2008-07	Building hardware - Corrosion resistance - Requirements and test methods	
Environmental simulation	DIN EN ISO 6270-2 2018-04	Paints and varnishes - Determination of resistance to humidity - Part 2: Condensation (in-cabinet exposure with heated water reservoir) (ISO 6270-2:2017)	
Environmental simulation	DIN EN ISO 6988 1997-03	Metallic and other non-organic coatings - Sulfur dioxide test with general condensation of moisture (ISO 6988:1985)	
Environmental simulation	DIN EN ISO 9227 2006-10	Corrosion tests in artificial atmospheres - Salt spray tests (ISO 9227:2006)	<i>Limitation:</i> NSS test only
Environmental simulation	DIN 50018 2013-05	Testing in a saturated atmosphere in the presence of sulfur dioxide	

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Area	Standard or Test Method / Issue Date	Title of the Standard or Test Method	Restrictions on the test method
Environmental simulation	DIN EN 60529 2014-09 + Corrigendum 1 2017-02 + Corrigendum 2 2019-06	Degrees of protection provided by enclosures (IP Code) (IEC 60529:1989 + A1:1999 + A2:2013)	IP 3X - IP 6X (solid foreign bodies, dust), not IP 1X, IP 2X IP X1 - IP X7 (water), not IP X8, IP X9

**Abbreviations used:**

DIN	Deutsches Institut für Normung e.V. – German institute for standardization
EN	Europäische Norm – European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardisation

Valid from: 18.10.2024

Date of issue: 08.01.2025