



Organisation

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Accreditation scope test laboratories Schüco Technology Center

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Purpose

This list contains all currently valid, accredited test methods of the test laboratories of the OneLab Technology Center of Schüco International KG. The certificate annexes 'Annex to the Partial Accreditation Certificate D-PL-11030-01-01 according to DIN EN ISO/IEC 17025:2018' and 'Annex to the Partial Accreditation Certificate D-PL-11030-01-02 according to DIN EN ISO/IEC 17025:2018' do not cover the current status of the accredited test methods.

Within the following testing fields, the Technology Center is permitted the free choice of standard or equivalent testing methods (including revisions) without being required to inform and obtain prior approval from DAkkS:

1. Acoustics – Sound insulation of components and building elements (laboratory conditions and on the building site)
2. Mechanical performance of metal profiles and components
3. Leak tests (air, wind, watertightness) of windows and doors
4. Service life tests of windows and doors
5. Mechanical tests of the resistance of windows and doors
6. Security tests (burglar resistance) of windows and doors
7. Environmental simulation tests by methods of exposure to laboratory light sources of plastic elements, instruments and building components
8. Thermal performance tests (Determination of thermal transmittance) of windows and doors
9. Electromagnetic compatibility

Accredited test procedures for the Partial Accreditation Certificate D-PL-11030-01-01

1. Acoustics – Sound insulation of components and building elements (laboratory conditions and on the building site)

DIN EN ISO 10052 2021-11	Acoustics - Field measurements of airborne and impact sound insulation and of service equipment sound - Survey method (ISO 10052:2021); German version EN ISO 10052:2021
DIN EN ISO 10140-1 2021-09	Acoustics – Laboratory measurement of sound insulation of building elements – Part 1: Application rules for specific products (ISO 10140-1:2021); German version EN ISO 10140-1:2021
DIN EN ISO 10140-2 2021-09	Acoustics – Laboratory measurement of sound insulation of building elements – Part 2: Measurement of airborne sound insulation (ISO 10140-2:2021); German version EN ISO 10140-2:2021
DIN EN ISO 10140-4 2021-09	Acoustics – Laboratory measurement of sound insulation of building elements – Part 4: Measurement procedures and requirements (ISO 10140-4:2021); German version EN ISO 10140-4:2021
DIN EN ISO 10140-5 2021-09	Acoustics - Laboratory measurement of sound insulation of building elements - Part 5: Requirements for test facilities and equipment (ISO 10140-5:2021); German version EN ISO 10140-5:2021
DIN EN ISO 10848-1 2018-02	Acoustics – Laboratory and field measurement of flanking transmission for airborne, impact and building service equipment sound between adjoining rooms – Part 1: Frame document (ISO 10848-1:2017); German version EN ISO 10848-1:2017
DIN EN ISO 10848-2 2018-02	Acoustics – Laboratory and field measurement of flanking transmission for airborne, impact and building service equipment sound between adjoining rooms – Part 2: Application to Type B elements when the junction has a small influence (ISO 10848-2:2017); German version EN ISO 10848-2:2017
DIN EN ISO 10848-3 2018-02	Acoustics – Laboratory and field measurement of flanking transmission for airborne, impact and building service equipment sound between adjoining rooms – Part 3: Application to Type B elements when the junction has a substantial influence (ISO 10848-3:2017); German version EN ISO 10848-3:2017
DIN EN ISO 16283-1 2018-04	Acoustics – Field measurement of sound insulation in buildings and of building elements – Part 1: Airborne sound insulation (ISO 16283-1:2014 + Amd 1:2017); German version EN ISO 16283-1:2014 + A1:2017
DIN EN ISO 16283-3 2016-09	Acoustics – Field measurement of sound insulation in buildings and of building elements – Part 3: Façade sound insulation (ISO 16283-3:2016); German version EN ISO 16283-3:2016
DIN EN ISO 3382-2 2008-09	Acoustics - Measurement of room acoustic parameters - Part 2: Reverberation time in ordinary rooms (ISO 3382-2:2008); German version EN ISO 3382-2:2008
DIN EN ISO 717-1 2021-05	Acoustics – Rating of sound insulation in buildings and of building elements – Part 1: Airborne sound insulation (ISO 717-1:2020); German version EN ISO 717-1:2020

2. Mechanical performance of metal profiles and components

DIN EN 14024 2005-01	Metal profiles with thermal barrier - Mechanical performance - Requirements, proof and tests for assessment; German version EN 14024:2004
DIN EN 16758 2021-11	Curtain walling - Determination of the strength of shear connections - Test method and requirements; German version EN 16758:2021

3. Leak tests (air, wind, watertightness) of windows and doors

AAMA 501-1 2017-05	Standard Test Method for Water Penetration of Windows, Curtain Walls and Doors Using Dynamic Pressure
AAMA 501-4 2009-01	Recommended Static Test Method for Evaluating Curtain Wall and Storefront Systems Subjected to Seismic and Wind Induced Interstory Drift
AAMA 501-5 2007-04	Test Method for Thermal Cycling of Exterior Walls
AS/NZS 4420-1 2016-12	Windows, external glazed, timber and composite doors - Methods of test Part 1: Test sequence, sampling and test methods
ASTM E 283 2004-03	Standard Test Method for Determining of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen
ASTM E 330 2021-10	Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference
ASTM E 331 2023-02	Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors and Curtain Walls by Uniform Static Air Pressure Difference
ASTM E 547-00 2000-10	Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Cyclic Static Air Pressure Difference
DIN EN 1026 2016-09	Windows and doors – Air permeability – Test method; German version EN 1026:2016
DIN EN 1027 2016-09	Windows and doors – Water tightness – Test method; German version EN 1027:2016
DIN EN 12152 2023-12	Curtain walling - Air permeability - Performance requirements and classification; German version EN 12152:2002
DIN EN 12153 2023-12	Curtain walling - Air permeability - Test method; German version EN 12153:2023-12
DIN EN 12154 2000-06	Curtain walling - Watertightness - Performance requirements and classification; German version EN 12154:1999
DIN EN 12155 2000-10	Curtain walling - Watertightness - Laboratory test under static pressure; German version EN 12155:2000
DIN EN 12179 2000-09	Curtain walling - Resistance to wind load - Test method; German version EN 12179:2000
DIN EN 12207 2017-03	Windows and doors – Air permeability – Classification; German version EN 12207:2016
DIN EN 12208 2000-06	Windows and doors - Watertightness - Classification; German version EN 12208:1999
DIN EN 12210 2016-09	Windows and doors – Resistance to wind load – Classification; German version EN 12210:2016
DIN EN 12211 2016-10	Windows and doors – Resistance to wind load – Test method; German version EN 12211:2016
DIN EN 13050 2011-09	Curtain Walling – Watertightness – Laboratory test under dynamic condition of air pressure and water spray; German version EN 13050:2011
DIN EN 13051 2001-11	Curtain walling- Watertightness - Site test; German version EN 13051:2001

4. Service life tests of windows and doors

DIN EN 1191 2013-04	Windows and doors - Resistance to repeated opening and closing - Test method; German version EN 1191:2012
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5. Mechanical tests of the resistance of windows and doors

DIN EN 12046-1 2020-11	Operating forces - Test method -Part 1: Windows; German version EN 12046-1:2020
DIN EN 12046-2 2000-12	Operating forces - Test method - Part 2: Doors; German version EN 12046-2:2000
DIN EN 14608 2004-09	Windows - Determination of the resistance to racking; German version EN 14608:2004
DIN EN 14609 2004-09	Windows - Determination of the resistance to static torsion; German version EN 14609:2004

DIN EN 947 1999-05	Hinged or pivoted doors - Determination of the resistance to vertical load; German version EN 947 : 1998
DIN EN 948 1999-11	Hinged or pivoted doors - Determination of the resistance to static torsion; German version EN 948 : 1999

6. Security tests (burglar resistance) of windows and doors

DIN 18008-4 2013-07	Glass in Building – Design and construction rules – Part 4: Additional requirements for barrier glazing
DIN EN 13049 2024-03	Windows and doors – Soft and heavy body impact – Test method, safety requirements and classification; German version EN 13049:2023
DIN EN 14019 2016-11	Curtain Walling – Impact resistance – Performance requirements; German version EN 14019:2016
DIN EN 1627 2021-11	Pedestrian doorsets, windows, curtain walling, grilles and shutters – Burglar resistance – Requirements and classification; German version EN 1627:2021
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; German version EN 1628:2021
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; German version EN 1629:2021
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; German version EN 1630:2021

7. Environmental simulation tests by methods of exposure to laboratory light sources of plastic elements, instruments and building components

DIN 53508 2000-03	Testing of rubber - Accelerated ageing
DIN EN 1121 2000-09	Doors - Behaviour between two different climates - Test method; German version EN 1121:2000
DIN EN 13420 2011-06	Windows – Behaviour between different climates – Test method; German version EN 13420:2011
DIN EN 60529 2014-09	Degrees of protection provided by enclosures (IP Code) (IEC 60529:1989 + A1:1999 + A2:2013); German version EN 60529:1991 + A1:2000 + A2:2013
DIN EN ISO 16474-3 2021-04	Paints and varnishes - Methods of exposure to laboratory light sources - Part 3: Fluorescent UV lamps (ISO 16474-3:2021); German version EN ISO 16474-3:2021
DIN EN ISO 4892-2 2021-11	Plastics – Methods of exposure to laboratory light sources – Part 2: Xenon-arc lamps (ISO 4892-2:2013 + Amd 1:2021); German version EN ISO 4892-2:2013 + A1:2021
DIN EN ISO 4892-3 2016-10	Plastics – Methods of exposure to laboratory light sources – Part 3: Fluorescent UV lamps (ISO 4892-3:2016); German version EN ISO 4892-3:2016
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); German version EN ISO 6270-2:2018
DIN EN ISO 9227 2023-03	Corrosion tests in artificial atmospheres - Salt spray tests (ISO 9227:2022); German version EN ISO 9227:2022

8. Thermal performance tests (Determination of thermal transmittance) of windows and doors

DIN EN 12412-2 2003-11	Thermal performance of windows, doors and shutters - Determination of thermal transmittance by hot box method - Part 2: Frames; German version EN 12412-2:2003
DIN EN ISO 12567-1 2010-12	Thermal performance of windows and doors – Determination of thermal transmittance by the hot-box method – Part 1: Complete windows and doors (ISO 12567-1:2010); German version EN ISO 12567-1:2010
DIN EN ISO 12567-2 2006-03	Thermal performance of windows and doors - Determination of thermal transmittance by hot box method - Part 2: Roof windows and other projecting windows (ISO 12567-2:2005); German version EN ISO 12567-2:2005

Accredited test procedures for the Partial Accreditation Certificate D-PL-11030-01-02

9. Electromagnetic compatibility

Standard or in-house method / revision level	Title of standard or in-house method	Test method limitations
Basic standards		
DIN EN 61000-4-2 2009-12	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test (IEC 61000-4-2:2008); German version EN 61000-4-2:2009	
DIN EN 61000-4-4 2013-04	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test (IEC 61000-4-4:2012); German version EN 61000-4-4:2012	Restriction: No testing on signal and control connections using a conductive tape or metal foil
DIN EN 61000-4-5 2019-03	Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test (IEC 61000-4-5:2014 + A1:2017); German version EN 61000-4-5:2014 + A1:2017	Restriction: No three-phase networks Single-phase networks only with 230V, ≤ 16A and 50Hz
DIN EN 61000-4-6 2014-08	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields (IEC 61000-4-6:2013); German version EN 61000-4-6:2014	Restriction: No multi-phase networks, no tests using a current clamp
DIN EN 61000-4-11 2021-10	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current up to 16 A per phase (IEC 61000-4-11:2020 + COR1:2020); German version EN IEC 61000-4-11:2020 + AC:2020	Restriction: Only single-phase networks with 230 V, ≤ 16 A and 50 Hz No voltage fluctuations
DIN EN 61000-4-29 2001-10	Electromagnetic compatibility (EMC) - Part 4-29: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests (IEC 61000-4-29:2000); German version EN 61000-4-29:2000	Restriction: Tests with ≤ 16 A
Generic standards		
DIN EN 61000-6-1 2019-11	Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity standard for residential, commercial and light-industrial environments (IEC 61000-6-1:2016); German version EN IEC 61000-6-1:2019	Restriction: No tests in accordance with: DIN EN 61000-4-3, DIN EN 61000-4-8, DIN EN 61000-4-20
DIN EN 61000-6-2 2019-11	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for industrial environments (IEC 61000-6-2:2016); German version EN IEC 61000-6-2:2019	Restriction: No tests in accordance with: DIN EN 61000-4-3, DIN EN 61000-4-8, DIN EN 61000-4-20
DIN EN 61000-6-3 2022-06	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for equipment in residential environments (IEC 61000-6-3:2020); German version EN IEC 61000-6-3:2021	Restriction: No testing of radiated interference emission No tests in accordance with: DIN EN 61000-3-3, DIN EN 61000-3-11, DIN EN 61000-4-20
DIN EN 61000-6-4 2020-09	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments (IEC 61000-6-4:2018); German version EN IEC 61000-6-4:2019	Restriction: No testing of radiated interference emission No tests in accordance with: DIN EN 61000-3-3, DIN EN 61000-3-11, DIN EN 61000-4-20
DIN EN 61000-6-7 2015-05	Electromagnetic compatibility (EMC) - Part 6-7: Generic standards - Immunity requirements for equipment intended to perform functions in a safety-related system (functional safety) in industrial locations (IEC 61000-6-7:2014); German version EN 61000-6-7:2015	Restriction: No tests in accordance with: DIN EN 61000-4-3, DIN EN 61000-4-16, DIN EN 61000-4-34
Product family standard		
DIN EN 55016-2-1 2019-11	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-1: Methods of measurement of disturbances and immunity - Conducted disturbance measurements	Restriction: Only single-phase networks with 230 V, ≤ 16 A and 50 Hz, as well as low-voltage DC networks with ≤ 16 A

Standard or in-house method / revision level	Title of standard or in-house method	Test method limitations
DIN EN 55011 2022-05	Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement (CISPR 11:2015, modified + A1:2017); German version EN 55011:2016 + A1:2017	Restriction: No testing of radiated interference emission Only single-phase networks with 230 V, ≤ 16 A and 50 Hz, as well as low-voltage DC networks with ≤ 16 A
DIN EN 55014-1 2022-12	Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus –Part 1: Emission (CISPR 14-1:2020); German version EN IEC 55014-1:2021	Restriction: No testing of radiated interference emission Only single-phase networks with 230 V, ≤ 16 A and 50 Hz, as well as low-voltage DC networks with ≤ 16 A
DIN EN 55014-2 2022-10	Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 2: Immunity – Product family standard (CISPR 14-2:2020); German version EN IEC 55014-2:2021	Restriction: No tests in accordance with: DIN EN 61000-4-3, DIN EN 61000-4-22
DIN EN 55022 2011-12	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement (CISPR 22:2008, modified); German version EN 55022:2010, Corrigendum to DIN EN 55022 (VDE 0878-22):2011-12; German version EN 55022:2010/AC:2011	Restriction: No testing of radiated interference emission Only single-phase networks with 230 V, ≤ 16 A and 50 Hz, as well as low-voltage DC networks with ≤ 16 A
DIN EN 55024 2016-05	Information technology equipment - Immunity characteristics - Limits and methods of measurement (CISPR 24:2010 + Cor.:2011 + A1:2015); German Version EN 55024:2010 + A1:2015	Restriction: No tests in accordance with: DIN EN 61000-4-3, DIN EN 61000-4-8
DIN EN 55032 2022-08	Electromagnetic compatibility of multimedia equipment – Emission requirements (CISPR 32:2015 + COR1:2016 + A1:2019); German version EN 55032:2015 + AC:2016 + A11:2020 + A1:2020	Restriction: Tests of radiated disturbance emission only single-phase 230 V networks less than or equal to 16 A and 50 Hz and low-voltage DC networks less than or equal to 16 A
DIN EN 55035 2018-04	Electromagnetic compatibility of multimedia equipment - Immunity requirements (CISPR 35:2016, modified); German version EN 55035:2017	Restriction: No tests in accordance with: DIN EN 61000-4-3, DIN EN 61000-4-8, DIN EN 61000-4-20, DIN EN 61000-4-21
DIN EN 60335-1 2020-08	Household and similar electrical appliances – Safety – Part 1: General requirements (IEC 60335-1:2010, modified + COR1:2010 + COR2:2011 + A1:2013, modified + A1:2013/COR1:2014 + A2:2016 + 2:2016/COR1:2016); German version EN 60335-1:2012 + AC:2014 + A11:2014 + A13:2017 + A1:2019 + A2:2019 +A14:2019	Restriction: Parts 19.11.4.1, 19.11.4.3 to 19.11.4.6 and 19.11.4.8 are applicable
DIN EN 60335-1 2024-07	Household and similar electrical appliances – Safety – Part 1: General requirements (IEC 60335-1:2010, modified + COR1:2010 + COR2:2011 + A1:2013, modified + A1:2013/COR1:2014 + A2:2016 + 2:2016/COR1:2016); German version EN 60335-1:2012 + + AC:2014 + A11:2014 + A13:2017 + A1:2019 + A2:2019 + A14:2019 + A15:2021 + A16:2023	Restriction: Parts 19.11.4.1, 19.11.4.3 to 19.11.4.6 and 19.11.4.8 are applicable
DIN EN 60335-2-103 2016-05	Household and similar electrical appliances - Part 2-103: Particular requirements for drives for gates, doors and windows (IEC 60335-2-103:2006, modified + A1:2010, modified); German version EN 60335-2-103:2015	