

TESTING AND MEASURING EQUIPMENT/ALLOWED SUBCONTRACTING IEC 62208:2011, Edition 2.0 Empty enclosures for low-voltage switchgear and controlgear assemblies – General requirements

"R" Required

"S" May be subcontracted, see OD 2012
"SP" Specialized Facility, see IECEE 02-2

"W" Witness testing in the categories "MED" and "MEAS"

"3PPS" Three Phase Power Supply required

Clause	Measurement/testing	Testing / measuring equipment / material needed	Equipment Classification
9.3	Marking	Cloth Water n-Hexane Timer	
9.4	Static loads	Weights Force gauge Timer Heating cabinet Protractor	<u>GDJS-015B</u>
9.5	Lifting	Crane or similar lifting equipment Weights Timer Ruler	
9.6	Axial loads of metal inserts	Force gauge Timer	



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9.7	Degree of protection against external mechanical impacts (IK code)	Suitable test hammer according to IEC 62262	<u>IK01-06</u>
9.8	Degree of protection against access to hazardous parts and against ingress of solid objects and/or water (IP code)	Sphere 50 mm diameter Jointed test finger Test rod 2,5 mm diameter Test wire 1,0 mm diameter Sphere 12,5 mm diameter	SMT-02T50 SMT-CT3 SMT-DT1
		Dust chamber Drip box Drip box 15° Oscillating tube/spray ± 60° or spray nozzle/spray ± 60° Oscillating tube/spray ± 180° Water jet hose nozzle - nozzle 6,3 mm diameter Water jet hose nozzle - nozzle 12,5 mm diameter Immersion tank Fan jet nozzle and force sensor for measuring the impact force of the water jet	SC-015 JL-X
9.9.1	Thermal stability	Climatic chamber according to IEC 60068-2-2 (dry heat test at +70 °C) Rough cloth, force gauge or scale + weight of 500g	<u>GDJS-015B</u>
9.9.3	Resistance to abnormal heat and fire due to internal electric effects	Glow-wire test apparatus according to IEC 60695-2-11	ZRS-3H
9.10	Verification of dielectric strength	AC High-voltage source (0 - min. 3,5 kV) Voltmeter (min. 3,5 kV) Humidity cabinet	<u>GDJS-015B</u>
9.11	Continuity of the protective circuit	Resistance measuring instrument with a driving current of at least 10 A (a.c. or d.c.).	
9.12	Resistance to ultra-violet (UV) radiation	Test chamber according to ISO 4892-2 Test equipment according to ISO 178 or ISO 179	<u>UV-263LS</u>
9.13	Resistance to corrosion	Climatic chamber according to IEC 60068-2-30 (damp heat cycling test at +40 °C) Test chamber according to IEC 60068-2-11 (salt mist at +35 °C) Demineralized water Timer	<u>YWX/Q-010</u>

Ed.1.2 2021-02-03



Clau	ıse	Measurement/testing	Testing / measuring equipment / material needed	Equipment Classification
9.1	4	Thermal power dissipation capability	Load resistors Temperature acquisition unit Current/voltage source Voltmeter Amperemeter	