

Name: DEKRA Testing Services (Zhejiang) Co., Ltd.

Address: No.5, Changjiang Road, Great Bridge Industrial Park, Beibaixiang, Wenzhou, Zhejiang, China

Registration No. CNAS L2643

Accreditation Criteria: ISO/IEC 17025 and relevant requirements of CNAS

Date of Issue: 2018-02-12

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SCHEDULE 3 ACCREDITED TESTING SCOPE

№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
1	Low-voltage switchgear and controlgera	1	Marking	Low-voltage switchgear and controlgera- Part1: General rules GB 14048.1-2012 IEC 60947-1:2007 + A1:2010 + A2:2014 EN 60947-1:2007 + A1:2011 + A2:2014 5.2	
		2	Glow wire testing	Low-voltage switchgear and controlgera- Part1: General rules GB 14048.1-2012 IEC 60947-1:2007 + A1:2010 + A2:2014 EN 60947-1:2007 + A1:2011 + A2:2014 7.1.2.2	
		3	Clearance and creepage distance	Low-voltage switchgear and controlgera- Part1: General rules GB 14048.1-2012 IEC 60947-1:2007 + A1:2010 + A2:2014 EN 60947-1:2007 + A1:2011 + A2:2014 7.1.4	
		4	Terminals	Low-voltage switchgear and controlgera- Part1: General rules IEC 60947-1:2007 + A1:2010 + A2:2014 EN 60947-1:2007 + A1:2011 + A2:2014 GB 14048.1-2012 7.1.8	
		5	Conduit pull-out, torque and bending with metallic conduits	Low-voltage switchgear and controlgera- Part1: General rules GB 14048.1-2012 IEC 60947-1:2007 + A1:2010 + A2:2014 EN 60947-1:2007 + A1:2011 + A2:2014 7.1.13	
		6	Operating characteristics	Low-voltage switchgear and controlgera- Part1: General rules GB 14048.1-2012 IEC 60947-1:2007 + A1:2010 + A2:2014 EN 60947-1:2007 + A1:2011	



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				+ A2:2014 7.2.1	
		7	Temperature rise	Low-voltage switchgear and controlgera- Part1: General rules GB 14048.1-2012 IEC 60947-1:2007 + A1:2010 + A2:2014 EN 60947-1:2007 + A1:2011 + A2:2014 7.2.2	
		8	Dielectric properties	Low-voltage switchgear and controlgera- Part1: General rules GB 14048.1-2012 IEC 60947-1:2007 + A1:2010 + A2:2014 EN 60947-1:2007 + A1:2011 + A2:2014 7.2.3	
		9	Durability	Low-voltage switchgear and controlgera- Part1: General rules GB 14048.1-2012 IEC 60947-1:2007 + A1:2010 + A2:2014 EN 60947-1:2007 + A1:2011 + A2:2014 7.2.4.3	
		10	Leakage currents	Low-voltage switchgear and controlgera- Part1: General rules GB 14048.1-2012IEC 60947-1:2007 + A1:2010 + A2:2014 EN 60947-1:2007 + A1:2011 + A2:2014 7.2.7	
		11	Making and breaking capacities	Low-voltage switchgear and controlgera- Part1: General rules GB 14048.1-2012 IEC 60947-1:2007 + A1:2010 + A2:2014 EN 60947-1:2007 + A1:2011 + A2:2014 8.3.3.5	
		12	short-circuit test	Low-voltage switchgear and controlgera- Part1: General rules GB 14048.1-2012 IEC 60947-1:2007 + A1:2010 + A2:2014 EN 60947-1:2007 + A1:2011 + A2:2014 8.3.4.1	Except for :Breaking capacity more than 420V/35k A
		13	Annes C (Degrees of protection)	Low-voltage switchgear and controlgera- Part1: General rules GB 14048.1-2012 IEC 60947-1:2007 + A1:2010 + A2:2014 EN 60947-1:2007 + A1:2011 + A2:2014 附录 F	
		14	Annes Q (damp heat test, shock, vibration)	Low-voltage switchgear and controlgera- Part1: General rules GB 14048.1-2012 IEC 60947-1:2007 + A1:2010 + A2:2014 EN 60947-1:2007 + A1:2011 + A2:2014 附录 Q	专用章



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№	Test Object	Item/Parameter		Standard or Method	Note
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2	circuit breakers	1	Tripping limits and characteristics	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 8.3.3.1	
		2	Dielectric properties	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 8.3.3.2	
		3	Mechanical operation and operational performance capability	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 8.3.3.3	
		4	Overload performance (where applicable)	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 8.3.3.4	
		5	Verification of dielectric withstand	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 8.3.3.5	
		6	Verification of temperature-rise	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 8.3.3.6	
		7	Verification of overload releases	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 8.3.3.7	
		8	Verification of undervoltage and shunt releases (if applicable)	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 8.3.3.8	
		9	Verification of main contact position (for circuitbreakers suitable for isolation)	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 8.3.3.9	



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		10	Rated service short-circuit breaking capacity	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 8.3.4.1	Except for :Breaking capacity more than 420V/35k A
		11	Verification of operational capability	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 8.3.4.2	
		12	Verification of dielectric withstand	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 8.3.4.3	
		13	Verification of temperature-rise	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 8.3.4.4	
		14	Verification of overload releases	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 8.3.4.5	
		15	Verification of overload releases	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 8.3.5.1	
		16	Rated ultimate short-circuit breaking capacity	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 8.3.5.2	Except for :Breaking capacity more than 420V/35k A
		17	Verification of dielectric withstand	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 8.3.5.3	



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		18	Verification of overload releases	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 8.3.5.4	
		19	Verification of overload releases	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 8.3.6.1	
		20	Rated short-time withstand current	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 8.3.6.2	
		21	Verification of temperature-rise	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 8.3.6.3	
		22	Short-circuit breaking capacity at max. sh.time withst. curr.	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 8.3.6.4	
		23	Verification of dielectric withstand	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 8.3.6.5	
		24	Verification of overload releases	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 8.3.6.6	
		25	Operating characteristic	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 B8.2	
		26	Dielectric properties	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 B 8.3	
		27	Operation of the test device at the limits of rated voltage	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 B.8.4	



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		28	Limiting value of the non-operating current under over-current conditions	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 B.8.5	
		29	Resistance against unwanted tripping due to surge currents resulting from impulse voltages	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 B.8.6	
		30	Behaviour in the case of an earth fault current comprising a d.c. component	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 B.8.7	
		31	Behaviour in the case of failure of line voltage for CBRs classified under B.3.1.2.1	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 B.8.8	
		32	Behaviour in the case of failure of line voltage for CBRs classified under B.3.1.2.2	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 B.8.9	
		33	Residual short-circuit making and breaking capacity (I Δ m)	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 B.8.10	Except for :Breaking capacity more than 420V/35k A
		34	Effects of	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
			environmental conditions	2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 B.8.11	
		35	Individual pole short-circuit	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 C2	Except for:Breaking capacity more than 420V/35k A
		36	Verification of dielectric withstand	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 C3	
		37	Verification of overload releases	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 C4	
		38	dry heat	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 F7	
		39	damp heat	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 F8	
		40	temperature variation cycles	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 F9	
		41	Individual pole short-circuit (IT)	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 H2	Except for :Breaking capacity more than 420V/35k A



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		42	Verification of dielectric withstand	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 H3	
		43	Verification of overload releases	Low-voltage switchgear and controlgear - Part 2 Circuit breakers GB 14048.2-2008 IEC 60947-2:2016, IEC 60947-2:2006+ A1: 2009+A2:2013,EN 60947-2:2006+A1:2009+A2:2013 H4	
3	Switches, disconnectors, switch-disconnectors and fuse-combination units		Part items	Low-voltage switchgear and controlgear – Part 3:Switches, disconnectors, switch- disconnectors and fuse-combination units GB 14048.3-2008 IEC 60947-3:2008 + A1:2012 + A2:2015,EN 60947-3:2009 + A1:2012 + A2:2015	Except for: 1. EMC test; 2.Breaking capacity more than 35 kA (420 V)
		1	Marking	Low-voltage switchgear and controlgear – Part 3:Switches, disconnectors, switch- disconnectors and fuse-combination units IEC 60947-3:2008 + A1:2012 + A2:2015,EN 60947-3:2009 + A1:2012 + A2:2015 5.2	
		2	Mechanical properties of terminals	Low-voltage switchgear and controlgear – Part 3:Switches, disconnectors, switch- disconnectors and fuse-combination units IEC 60947-3:2008 + A1:2012 + A2:2015,EN 60947-3:2009 + A1:2012 + A2:2015 7.1.1	
		3	Clearances and creepage distances	Low-voltage switchgear and controlgear – Part 3:Switches, disconnectors, switch- disconnectors and fuse-combination units IEC 60947-3:2008 + A1:2012 + A2:2015,EN 60947-3:2009 + A1:2012 + A2:2015 7.1.3	
		4	Resistance to abnormal heat and fire	Low-voltage switchgear and controlgear – Part 3:Switches, disconnectors, switch- disconnectors and fuse-combination units IEC 60947-3:2008 + A1:2012 + A2:2015,EN 60947-3:2009 + A1:2012 + A2:2015 7.1.11	
		5	Temperature rise	Low-voltage switchgear and controlgear – Part 3:Switches, disconnectors, switch- disconnectors and fuse-combination units IEC 60947-3:2008 + A1:2012 + A2:2015,EN 60947-3:2009 + A1:2012 + A2:2015 8.3.3.1	



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		6	Dielectric properties	Low-voltage switchgear and controlgear – Part 3:Switches, disconnectors, switch- disconnectors and fuse-combination units IEC 60947-3:2008 + A1:2012 + A2:2015,EN 60947-3:2009 + A1:2012 + A2:2015 8.3.3.2	
		7	Making and breaking capacity	Low-voltage switchgear and controlgear – Part 3:Switches, disconnectors, switch- disconnectors and fuse-combination units IEC 60947-3:2008 + A1:2012 + A2:2015,EN 60947-3:2009 + A1:2012 + A2:2015 8.3.3.3	
		8	Verification of dielectric properties	Low-voltage switchgear and controlgear – Part 3:Switches, disconnectors, switch- disconnectors and fuse-combination units IEC 60947-3:2008 + A1:2012 + A2:2015,EN 60947-3:2009 + A1:2012 + A2:2015 8.3.3.4	
		9	Leakage current	Low-voltage switchgear and controlgear – Part 3:Switches, disconnectors, switch- disconnectors and fuse-combination units IEC 60947-3:2008 + A1:2012 + A2:2015,EN 60947-3:2009 + A1:2012 + A2:2015 8.3.3.5	
		10	Verification of temperature rise	Low-voltage switchgear and controlgear – Part 3:Switches, disconnectors, switch- disconnectors and fuse-combination units IEC 60947-3:2008 + A1:2012 + A2:2015,EN 60947-3:2009 + A1:2012 + A2:2015 8.3.3.6	
		11	Strength of actuator	Low-voltage switchgear and controlgear – Part 3:Switches, disconnectors, switch- disconnectors and fuse-combination units IEC 60947-3:2008 + A1:2012 + A2:2015,EN 60947-3:2009 + A1:2012 + A2:2015 8.3.3.7	
		12	Operational performance test	Low-voltage switchgear and controlgear – Part 3:Switches, disconnectors, switch- disconnectors and fuse-combination units IEC 60947-3:2008 + A1:2012 + A2:2015,EN 60947-3:2009 + A1:2012 + A2:2015 8.3.4.1	
		13	Verification of dielectric properties	Low-voltage switchgear and controlgear – Part 3:Switches, disconnectors, switch- disconnectors and fuse-combination units IEC 60947-3:2008 + A1:2012 + A2:2015,EN 60947-3:2009 + A1:2012 + A2:2015 8.3.4.2	
		14	Leakage current	Low-voltage switchgear and controlgear – Part 3:Switches, disconnectors, switch- disconnectors and fuse-combination units IEC 60947-3:2008 + A1:2012 + A2:2015,EN 60947-3:2009 + A1:2012 + A2:2015 8.3.4.3	
		15	Verification of temperature rise	Low-voltage switchgear and controlgear – Part 3:Switches, disconnectors, switch- disconnectors and fuse-combination units IEC 60947-3:2008 + A1:2012 + A2:2015,EN 60947-3:2009 + A1:2012 + A2:2015 8.3.4.4	



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		16	Short-time withstand current test	Low-voltage switchgear and controlgear – Part 3:Switches, disconnectors, switch- disconnectors and fuse-combination units IEC 60947-3:2008 + A1:2012 + A2:2015,EN 60947-3:2009 + A1:2012 + A2:2015 8.3.5.1	
		17	Short-circuit making capacity	Low-voltage switchgear and controlgear – Part 3:Switches, disconnectors, switch- disconnectors and fuse-combination units IEC 60947-3:2008 + A1:2012 + A2:2015,EN 60947-3:2009 + A1:2012 + A2:2015 8.3.5.2	
		18	Verification of dielectric properties	Low-voltage switchgear and controlgear – Part 3:Switches, disconnectors, switch- disconnectors and fuse-combination units IEC 60947-3:2008 + A1:2012 + A2:2015,EN 60947-3:2009 + A1:2012 + A2:2015 8.3.5.3	
		19	Leakage current	Low-voltage switchgear and controlgear – Part 3:Switches, disconnectors, switch- disconnectors and fuse-combination units IEC 60947-3:2008 + A1:2012 + A2:2015,EN 60947-3:2009 + A1:2012 + A2:2015 8.3.5.4	
		20	Verification of temperature rise	Low-voltage switchgear and controlgear – Part 3:Switches, disconnectors, switch- disconnectors and fuse-combination units IEC 60947-3:2008 + A1:2012 + A2:2015,EN 60947-3:2009 + A1:2012 + A2:2015 8.3.5.5	
		21	Fuse protected short-circuit withstand current	Low-voltage switchgear and controlgear – Part 3:Switches, disconnectors, switch- disconnectors and fuse-combination units IEC 60947-3:2008 + A1:2012 + A2:2015,EN 60947-3:2009 + A1:2012 + A2:2015 8.3.6.2	
		22	Verification of dielectric properties	Low-voltage switchgear and controlgear – Part 3:Switches, disconnectors, switch- disconnectors and fuse-combination units IEC 60947-3:2008 + A1:2012 + A2:2015,EN 60947-3:2009 + A1:2012 + A2:2015 8.3.6.3	
		23	Leakage current	Low-voltage switchgear and controlgear – Part 3:Switches, disconnectors, switch- disconnectors and fuse-combination units IEC 60947-3:2008 + A1:2012 + A2:2015,EN 60947-3:2009 + A1:2012 + A2:2015 8.3.6.4	
		24	Verification of temperature rise	Low-voltage switchgear and controlgear – Part 3:Switches, disconnectors, switch- disconnectors and fuse-combination units IEC 60947-3:2008 + A1:2012 + A2:2015,EN 60947-3:2009 + A1:2012 + A2:2015 8.3.6.5	
		25	Overload test	Low-voltage switchgear and controlgear – Part 3:Switches, disconnectors, switch- disconnectors and fuse-combination units IEC 60947-3:2008 + A1:2012 + A2:2015,EN 60947-3:2009 + A1:2012 + A2:2015 8.3.7.1	



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		№	Item/ Parameter		
		26	Verification of dielectric properties	Low-voltage switchgear and controlgear – Part 3:Switches, disconnectors, switch- disconnectors and fuse-combination units IEC 60947-3:2008 + A1:2012 + A2:2015,EN 60947-3:2009 + A1:2012 + A2:2015 8.3.7.2	
		27	Leakage current	Low-voltage switchgear and controlgear – Part 3:Switches, disconnectors, switch- disconnectors and fuse-combination units IEC 60947-3:2008 + A1:2012 + A2:2015,EN 60947-3:2009 + A1:2012 + A2:2015 8.3.7.3	
		28	Verification of temperature rise	Low-voltage switchgear and controlgear – Part 3:Switches, disconnectors, switch- disconnectors and fuse-combination units IEC 60947-3:2008 + A1:2012 + A2:2015,EN 60947-3:2009 + A1:2012 + A2:2015 8.3.7.4	
4	Contactors and motor-starters – Electromechanical contactors and motor-starters		Part items	Low-voltage switchgear and controlgear –Part 4-1: Contactors and motor-starters –Electromechanical contactors and motor-starters (Including motor protector) GB 14048.4-2010 IEC 60947-4-1:2009 + A1:2012 EN 60947-4-1:2010 + A1:2012	Except for: 1. EMC test; 2.Breaking capacity more than 35 kA (420 V)
		1	Marking	Low-voltage switchgear and controlgear –Part 4-1: Contactors and motor-starters –Electromechanical contactors and motor-starters (Including motor protector) IEC 60947-4-1:2009 + A1:2012 EN 60947-4-1:2010 + A1:2012 5.2	
		2	Glow wire testing	Low-voltage switchgear and controlgear –Part 4-1: Contactors and motor-starters –Electromechanical contactors and motor-starters (Including motor protector) IEC 60947-4-1:2009 + A1:2012 EN 60947-4-1:2010 + A1:2012 7.1.3	
		3	Resistance to abnormal heat and fire	Low-voltage switchgear and controlgear –Part 4-1: Contactors and motor-starters –Electromechanical contactors and motor-starters (Including motor protector) IEC 60947-4-1:2009 + A1:2012 EN 60947-4-1:2010 + A1:2012 7.1.1	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		4	Clearances and creepage distances	Low-voltage switchgear and controlgear –Part 4-1: Contactors and motor-starters –Electromechanical contactors and motor-starters (Including motor protector) IEC 60947-4-1:2009 + A1:2012 EN 60947-4-1:2010 + A1:2012 9.3.3.3	
		5	Temperature rise	Low-voltage switchgear and controlgear –Part 4-1: Contactors and motor-starters –Electromechanical contactors and motor-starters (Including motor protector) IEC 60947-4-1:2009 + A1:2012 EN 60947-4-1:2010 + A1:2012 9.3.3.1 9.3.3.2	
		6	operation and operating limits	Low-voltage switchgear and controlgear –Part 4-1: Contactors and motor-starters –Electromechanical contactors and motor-starters (Including motor protector) IEC 60947-4-1:2009 + A1:2012 EN 60947-4-1:2010 + A1:2012 9.3.3.4	
		7	dielectric properties	Low-voltage switchgear and controlgear –Part 4-1: Contactors and motor-starters –Electromechanical contactors and motor-starters (Including motor protector) IEC 60947-4-1:2009 + A1:2012 EN 60947-4-1:2010 + A1:2012 9.3.3.5	
		8	Rated making and breaking capacities	Low-voltage switchgear and controlgear –Part 4-1: Contactors and motor-starters –Electromechanical contactors and motor-starters (Including motor protector) IEC 60947-4-1:2009 + A1:2012 EN 60947-4-1:2010 + A1:2012 9.3.3.6	
		9	Operational performance	Low-voltage switchgear and controlgear –Part 4-1: Contactors and motor-starters –Electromechanical contactors and motor-starters (Including motor protector) IEC 60947-4-1:2009 + A1:2012 EN 60947-4-1:2010 + A1:2012 9.3.3.6.6	
		10	Dielectric properties	Low-voltage switchgear and controlgear –Part 4-1: Contactors and motor-starters –Electromechanical contactors and motor-starters (Including motor protector) IEC 60947-4-1:2009 + A1:2012 EN 60947-4-1:2010 + A1:2012 9.3.4	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		11	Performance under short-circuit conditions(Ir and Iq)	Low-voltage switchgear and controlgear –Part 4-1: Contactors and motor-starters –Electromechanical contactors and motor-starters (Including motor protector) IEC 60947-4-1:2009 + A1:2012 EN 60947-4-1:2010 + A1:2012 9.3.4	
		12	Verification of dielectric properties	Low-voltage switchgear and controlgear –Part 4-1: Contactors and motor-starters –Electromechanical contactors and motor-starters (Including motor protector) IEC 60947-4-1:2009 + A1:2012 EN 60947-4-1:2010 + A1:2012 9.3.4	
		13	Ability to withstand overload currents	Low-voltage switchgear and controlgear –Part 4-1: Contactors and motor-starters –Electromechanical contactors and motor-starters (Including motor protector) IEC 60947-4-1:2009 + A1:2012 EN 60947-4-1:2010 + A1:2012 9.3.5	
		14	Mechanical properties of terminals	Low-voltage switchgear and controlgear –Part 4-1: Contactors and motor-starters –Electromechanical contactors and motor-starters (Including motor protector) IEC 60947-4-1:2009 + A1:2012 EN 60947-4-1:2010 + A1:2012 8.2.4	
		15	IP	Low-voltage switchgear and controlgear –Part 4-1: Contactors and motor-starters –Electromechanical contactors and motor-starters (Including motor protector) IEC 60947-4-1:2009 + A1:2012 EN 60947-4-1:2010 + A1:2012 annex C	
5	Control circuit devices and switching elements – Electromechanical control circuit devices		Part items	Low-voltage switchgear and controlgear –Part 5-1: Control circuit devices and switching elements – Electromechanical control circuit devices GB 14048.5-2008 IEC 60947-5-1:2016 IEC 60947-5-1:2003 + A1:2009 EN 60947-5-1:2004 + A1:2009	Except for: EMC test
		1	marking/ construction	Low-voltage switchgear and controlgear –Part 5-1: Control circuit devices and switching element– Electromechanical control circuit devices IEC 60947-5-1:2016 IEC 60947-5-1:2003 + A1:2009 EN 60947-5-1:2004 + A1:2009 7.1	
		2	operating limits of contactor relays	Low-voltage switchgear and controlgear –Part 5-1: Control circuit devices and switching element– Electromechanical control circuit devices IEC 60947-5-	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
				1:2016 IEC 60947-5-1:2003 + A1:2009 EN 60947-5-1:2004 + A1:2009 8.3.3.2	
		3	Temperature rise	Low-voltage switchgear and controlgear –Part 5-1: Control circuit devices and switching element– Electromechanical control circuit devices IEC 60947-5-1:2016 IEC 60947-5-1:2003 + A1:2009 EN 60947-5-1:2004 + A1:2009 8.3.3.3	
		4	Dielectric properties	Low-voltage switchgear and controlgear –Part 5-1: Control circuit devices and switching element– Electromechanical control circuit devices IEC 60947-5-1:2016 IEC 60947-5-1:2003 + A1:2009 EN 60947-5-1:2004 + A1:2009 8.3.3.4	
		5	mechanical properties of terminals	Low-voltage switchgear and controlgear –Part 5-1: Control circuit devices and switching element– Electromechanical control circuit devices IEC 60947-5-1:2016 IEC 60947-5-1:2003 + A1:2009 EN 60947-5-1:2004 + A1:2009 8.2.4	
		6	Making and breaking capacity under normal conditions	Low-voltage switchgear and controlgear –Part 5-1: Control circuit devices and switching element– Electromechanical control circuit devices IEC 60947-5-1:2016 IEC 60947-5-1:2003 + A1:2009 EN 60947-5-1:2004 + A1:2009 8.3.3.5.2	
		7	Verification of dielectric properties	Low-voltage switchgear and controlgear –Part 5-1: Control circuit devices and switching element– Electromechanical control circuit devices IEC 60947-5-1:2016 IEC 60947-5-1:2003 + A1:2009 EN 60947-5-1:2004 + A1:2009 8.3.3.5.5.b)	
		8	Making and breaking capacity under abnormal conditions	Low-voltage switchgear and controlgear –Part 5-1: Control circuit devices and switching element– Electromechanical control circuit devices IEC 60947-5-1:2016 IEC 60947-5-1:2003 + A1:2009 EN 60947-5-1:2004 + A1:2009 8.3.3.5.3	
		9	Verification of dielectric properties	Low-voltage switchgear and controlgear –Part 5-1: Control circuit devices and switching element– Electromechanical control circuit devices IEC 60947-5-1:2016 IEC 60947-5-1:2003 + A1:2009 EN 60947-5-1:2004 + A1:2009 8.3.3.5.5.b)	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		10	Performance under cond. short-circuit current	Low-voltage switchgear and controlgear –Part 5-1: Control circuit devices and switching element– Electromechanical control circuit devices IEC 60947-5-1:2016 IEC 60947-5-1:2003 + A1:2009 EN 60947-5-1:2004 + A1:2009 8.3.4	
		11	Verification of dielectric properties	Low-voltage switchgear and controlgear –Part 5-1: Control circuit devices and switching element– Electromechanical control circuit devices IEC 60947-5-1:2016 IEC 60947-5-1:2003 + A1:2009 EN 60947-5-1:2004 + A1:2009 8.3.3.5.5.b)	
		12	Degree of protection of enclosed contr. circuit devices (annex C part 1)	Low-voltage switchgear and controlgear –Part 5-1: Control circuit devices and switching element– Electromechanical control circuit devices IEC 60947-5-1:2016 IEC 60947-5-1:2003 + A1:2009 EN 60947-5-1:2004 + A1:2009 annex C part 1	
		13	Verification of actuation force or moment	Low-voltage switchgear and controlgear –Part 5-1: Control circuit devices and switching element– Electromechanical control circuit devices IEC 60947-5-1:2016 IEC 60947-5-1:2003 + A1:2009 EN 60947-5-1:2004 + A1:2009 8.2.5	
		14	creepage and clearances	Low-voltage switchgear and controlgear –Part 5-1: Control circuit devices and switching element– Electromechanical control circuit devices IEC 60947-5-1:2016 IEC 60947-5-1:2003 + A1:2009 EN 60947-5-1:2004 + A1:2009 7.1.3	
		15	Verification of limitation of rotary switch	Low-voltage switchgear and controlgear –Part 5-1: Control circuit devices and switching element– Electromechanical control circuit devices IEC 60947-5-1:2016 IEC 60947-5-1:2003 + A1:2009 EN 60947-5-1:2004 + A1:2009 8.2.6	
		16	electrical durability	Low-voltage switchgear and controlgear –Part 5-1: Control circuit devices and switching element– Electromechanical control circuit devices IEC 60947-5-1:2016 IEC 60947-5-1:2003 + A1:2009 EN 60947-5-1:2004 + A1:2009 K.8.3.5	
		17	Verification of dielectric properties	Low-voltage switchgear and controlgear –Part 5-1: Control circuit devices and switching element– Electromechanical control circuit devices IEC 60947-5-1:2016 IEC 60947-5-1:2003 + A1:2009 EN 60947-5-1:2004 + A1:2009 K.8.3.6	
		18	mechanical operation at limits of	Low-voltage switchgear and controlgear –Part 5-1: Control circuit devices and switching element– Electromechanical control circuit devices IEC 60947-5-	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
			temperature	1:2016 IEC 60947-5-1:2003 + A1:2009 EN 60947-5-1:2004 + A1:2009 K.8.3.7	
		19	Verification of robustness of actuating system	Low-voltage switchgear and controlgear –Part 5-1: Control circuit devices and switching element– Electromechanical control circuit devices IEC 60947-5-1:2016 IEC 60947-5-1:2003 + A1:2009 EN 60947-5-1:2004 + A1:2009 annex C	
6	Terminal blocks for copper conductors		Part items	Low-Voltage Switchgear and controlgear - Part 7-1: Ancillary equipment - Terminal blocks for copper conductors GB/T 14048.7-2016 IEC 60947-7-1:2009 EN 60947-7-1:2009	Except for: 1. EMC test; 2. Needle flame test
		1	Marking	Low-Voltage Switchgear and controlgear - Part 7-1: Ancillary equipment - Terminal blocks for copper conductors IEC 60947-7-1:2009 EN 60947-7-1:2009 5.1	
		2	Attachment of the terminal block on its support	Low-Voltage Switchgear and controlgear - Part 7-1: Ancillary equipment - Terminal blocks for copper conductors IEC 60947-7-1:2009 EN 60947-7-1:2009 8.3.2	
		3	Test of mechanical strength of clamping units	Low-Voltage Switchgear and controlgear - Part 7-1: Ancillary equipment - Terminal blocks for copper conductors IEC 60947-7-1:2009 EN 60947-7-1:2009 8.3.3.1	
		4	Testing for damage to and accidental loosening of conductors of a terminal block(flexion test)	Low-Voltage Switchgear and controlgear - Part 7-1: Ancillary equipment - Terminal blocks for copper conductors IEC 60947-7-1:2009 EN 60947-7-1:2009 8.3.3.2	
		5	Pull-out test	Low-Voltage Switchgear and controlgear - Part 7-1: Ancillary equipment - Terminal blocks for copper conductors IEC 60947-7-1:2009 EN 60947-7-1:2009 8.3.3.3	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		6	Verification of rated cross-section and rated connecting capacity	Low-Voltage Switchgear and controlgear - Part 7-1: Ancillary equipment - Terminal blocks for copper conductors IEC 60947-7-1:2009 EN 60947-7-1:2009 8.3.3.4	
		7	Verification of clearances and creepage distances	Low-Voltage Switchgear and controlgear - Part 7-1: Ancillary equipment - Terminal blocks for copper conductors IEC 60947-7-1:2009 EN 60947-7-1:2009 8.4.2	
		8	Dielectric test	Low-Voltage Switchgear and controlgear - Part 7-1: Ancillary equipment - Terminal blocks for copper conductors IEC 60947-7-1:2009 EN 60947-7-1:2009 8.4.3	
		9	Verification of Temperature-rise test	Low-Voltage Switchgear and controlgear - Part 7-1: Ancillary equipment - Terminal blocks for copper conductors IEC 60947-7-1:2009 EN 60947-7-1:2009 8.4.5	
		10	Short-time withstand current test	Low-Voltage Switchgear and controlgear - Part 7-1: Ancillary equipment - Terminal blocks for copper conductors IEC 60947-7-1:2009 EN 60947-7-1:2009 8.4.6	
		11	Ageing test for screwless type terminal block	Low-Voltage Switchgear and controlgear - Part 7-1: Ancillary equipment - Terminal blocks for copper conductors IEC 60947-7-1:2009 EN 60947-7-1:2009 8.4.7	
7	Terminal blocks for copper conductors		Part items	Low-voltage switchgear and controlgear- Part 7-2:Ancillary equipment-Protective conductor terminal blocks for copper conductors GB/T 14048.8-2016 IEC 60947-7-2:2009, EN 60947-7-2:2009	Except for: 1.The EMC test; 2. Needle flame test
		1	Marking	Low-voltage switchgear and controlgear- Part 7-2:Ancillary equipment-Protective conductor terminal blocks for copper conductors IEC 60947-7-2:2009, EN 60947-7-2:2009 5.1	
		2	Attachment of the terminal block on its support	Low-voltage switchgear and controlgear- Part 7-2:Ancillary equipment-Protective conductor terminal blocks for copper conductors IEC 60947-7-2:2009, EN 60947-7-2:2009 8.3.2	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		3	Test of mechanical strength of clamping units	Low-voltage switchgear and controlgear- Part 7-2:Ancillary equipment-Protective conductor terminal blocks for copper conductors IEC 60947-7-2:2009, EN 60947-7-2:2009 8.3.3.1	
		4	Testing for damage to and accidental loosening of conductors of a terminal block(flexion test)	Low-voltage switchgear and controlgear- Part 7-2:Ancillary equipment-Protective conductor terminal blocks for copper conductors IEC 60947-7-2:2009, EN 60947-7-2:2009 8.3.3.2	
		5	Pull-out test	Low-voltage switchgear and controlgear- Part 7-2:Ancillary equipment-Protective conductor terminal blocks for copper conductors IEC 60947-7-2:2009, EN 60947-7-2:2009 8.3.3.3	
		6	Verification of rated cross-section and rated connecting capacity	Low-voltage switchgear and controlgear- Part 7-2:Ancillary equipment-Protective conductor terminal blocks for copper conductors IEC 60947-7-2:2009, EN 60947-7-2:2009 8.3.3.4	
		7	Verification of clearances and creepage distances	Low-voltage switchgear and controlgear- Part 7-2:Ancillary equipment-Protective conductor terminal blocks for copper conductors IEC 60947-7-2:2009, EN 60947-7-2:2009 8.4.2	
		8	Dielectric test	Low-voltage switchgear and controlgear- Part 7-2:Ancillary equipment-Protective conductor terminal blocks for copper conductors IEC 60947-7-2:2009, EN 60947-7-2:2009 8.4.3	
		9	Verification of Temperature-rise test	Low-voltage switchgear and controlgear- Part 7-2:Ancillary equipment-Protective conductor terminal blocks for copper conductors IEC 60947-7-2:2009, EN 60947-7-2:2009 8.4.5	
		10	Short-time withstand current test	Low-voltage switchgear and controlgear- Part 7-2:Ancillary equipment-Protective conductor terminal blocks for copper conductors IEC 60947-7-2:2009, EN 60947-7-2:2009 8.4.6	
		11	Ageing test for screwless type	Low-voltage switchgear and controlgear- Part 7-2:Ancillary equipment-Protective conductor terminal blocks for copper conductors IEC 60947-7-	



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		№	Item/ Parameter		
			terminal block	2:2009, EN 60947-7-2:2009 8.4.7	
8	multiple function equipment- Transfer switching equipment		Part items	Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment GB/T 14048.11-2016 IEC 60947-6-1:2005 + A1:2013 EN 60947-6-1:2005 + A1:2014	Except for: 1. EMC test; 2. Breaking capacity more than 35 kA (420 V) .
		1	marking/ construction/glow-wire/CTI/terminals	Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment IEC 60947-6-1:2005 + A1:2013 EN 60947-6-1:2005 + A1:2014 9.2	
		2	Cearance and creepage distance	Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment IEC 60947-6-1:2005 + A1:2013 EN 60947-6-1:2005 + A1:2014 9.2	
		3	Glow-wire	Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment IEC 60947-6-1:2005 + A1:2013 EN 60947-6-1:2005 + A1:2014 9.2	
		4	CTI	Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment IEC 60947-6-1:2005 + A1:2013 EN 60947-6-1:2005 + A1:2014 9.2	
		5	IP	Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment IEC 60947-6-1:2005 + A1:2013 EN 60947-6-1:2005 + A1:2014 9.2	
		6	Terminals	Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment IEC 60947-6-1:2005 + A1:2013 EN 60947-6-1:2005 + A1:2014 9.2	
		7	Operation	Low-voltage switchgear and controlgear - Part 6-1: Multiple function	



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		№	Item/ Parameter		
				equipment - Transfer switching equipment IEC 60947-6-1:2005 + A1:2013 EN 60947-6-1:2005 + A1:2014 9.3.3.1	
		8	Controls, sequence and limits of operation	Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment IEC 60947-6-1:2005 + A1:2013 EN 60947-6-1:2005 + A1:2014 9.3.3.2	
		9	Temperature rise	Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment IEC 60947-6-1:2005 + A1:2013 EN 60947-6-1:2005 + A1:2014 9.3.3.3	
		10	Dielectric properties	Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment IEC 60947-6-1:2005 + A1:2013 EN 60947-6-1:2005 + A1:2014 9.3.3.4	
		11	Making and breaking capacities	Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment IEC 60947-6-1:2005 + A1:2013 EN 60947-6-1:2005 + A1:2014 9.3.3.5	
		12	Operational performance capability (electrical)	Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment IEC 60947-6-1:2005 + A1:2013 EN 60947-6-1:2005 + A1:2014 9.3.3.6.2	
		13	Operational performance capability (mechanical)	Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment IEC 60947-6-1:2005 + A1:2013 EN 60947-6-1:2005 + A1:2014 9.3.3.6.3	
		14	Short-circuit making capacity	Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment IEC 60947-6-1:2005 + A1:2013 EN 60947-6-1:2005 + A1:2014 9.3.4.2.2	
		15	Short-circuit breaking capacity	Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment IEC 60947-6-1:2005 + A1:2013 EN 60947-6-1:2005 + A1:2014 9.3.4.2.3	
		16	Short time withstand current	Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment IEC 60947-6-1:2005 + A1:2013 EN 60947-6-1:2005 + A1:2014 9.3.4.3	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		17	Conditional short-circuit current	Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment IEC 60947-6-1:2005 + A1:2013 EN 60947-6-1:2005 + A1:2014 9.3.4.4	
9	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs)	1	Part items	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) Part1:General rules GB 16917.1-2014 IEC 61009-1:2010+A1:2012+A2:2013,EN 61009-1:2012+A1+A2+A11+A12	Except for: EMC test
				Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBO's) - Part 2-1: Applicability of the general rules to RCBO's functionally independent of line voltage GB 16917.21-2008 IEC 61009-2-1:1991 EN 61009-2-1:1994+A11:1998	
				Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBO's) - Part 2-2: Applicability of the general rules to RCBO's functionally dependent on line voltage GB16917.22-2008 IEC 61009-2-2:1991	
10	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	1	Part items	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB) - Part1:General rules GB16916.1-2014,IEC 61008-1:2010+A1:2012+A2: 2013 EN 61008-1:2012+A1+A2+A11+A12 SS97:Part1:2005	Except for: EMC test
				Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB) - Part1:General rules GB16916.21-2008 IEC 61008-2-1:1990, EN 61008-2-1:1994+A11:1998	
				Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's). Part 2-2: Applicability of the general rules to RCCB's functionally dependent on line voltage GB 16916.22-2008 IEC 61008-2-2:1990	
	Residual current operated circuit-breakers without integral	1	Marking	Type B Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (Type B RCCBs and Type B RCBOs) GB 22794-2008 IEC 62423:2009 EN 62423:2012	专用章



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
2	overcurrent protection for household and similar uses (B-Type RCBOs)	2	Residual operating characteristics	Type B Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (Type B RCCBs and Type B RCBOs) GB 22794-2008 IEC 62423:2009 EN 62423:2012 9	
				Verification of the correct operation characteristic at the reference temperature(20+5)C GB 22794 2008 9.1 IEC 62423:2009 9.2 EN 62423:2012	
				Verification of the correct operation in case of residual sinusoidal alternating currents up to 1000Hz GB 22794-2008 9.1.1 IEC 62423:2009 EN 62423:2012 9.2.1.2	
				Verification of the correct operation in case of residual alternating current superimposed on a residual smooth direct current GB 22794-2008 9.1.2 IEC 62423:2009 EN 62423:2012 9.2.1.3	
				Verification of the correct operation in case of residual pulsating current superimposed on a residual smooth direct current GB 22794-2008 9.1.3 IEC 62423:2009 EN 62423:2012 9.2.1.4	
				Verification of the correct operation in case of residual direct current which may result form rectifying circuits supplied from two phases GB 22794-2008 9.1.4 IEC 62423:2009 EN 62423:2012 9.2.1.5	
				Verification of the correct operation in case of residual direct current which may result form rectifying circuits supplied from there phases GB 22794-2008 9.1.5 IEC 62423:2009 EN 62423:2012 9.2.1.6	
				Verification of the correct operation in case of residual smooth direct current GB 22794-2008 9.1.6 IEC 62423:2009 EN 62423:2012 9.2.1.7	
				Tests at the temperature limits GB 22794-2008 9.2 IEC 62423:2009 EN 62423:2012 9.2.2	
				Verification of the RCD after test sequences GB 22794-2008 9.3 IEC 62423:2009 EN 62423:2012 9.2.4	
				Tests for Type Fand Type B RCDs IEC 62423:2009 EN 62423:2012 9.1	
Verification of the correct operation for three and four-pole Type B RCDs					



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
				powered on two poles only IEC 62423:2009 EN 62423:2012 9.2.3	
12	Circuit-breakers for overcurrent protection for household and similar installations		All items	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations- Part 1 :Circuit-breakers for a.c.operation GB 10963.1-2005 IEC 60898-1:2015 ,IEC 60898-1:2002+A1:2002+A2:2003,EN 60898-1:2003+A1+A11+A12+A13	
		1	Markings	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations- Part 1 :Circuit-breakers for a.c.operation IEC 60898-1:2015 ,IEC 60898-1:2002+A1+A2,EN 60898-1:2003+A1+A11+A12+A13 6	
		2	General	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations- Part 1 :Circuit-breakers for a.c.operation IEC 60898-1:2015 ,IEC 60898-1:2002+A1+A2,EN 60898-1:2003+A1+A11+A12+A13 8.1.1	
		3	Mechanism	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations- Part 1 :Circuit-breakers for a.c.operation IEC 60898-1:2015 ,IEC 60898-1:2002+A1+A2,EN 60898-1:2003+A1+A11+A12+A13 8.1.2	
		4	Indelibility of markings	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations- Part 1 :Circuit-breakers for a.c.operation IEC 60898-1:2015 ,IEC 60898-1:2002+A1+A2,EN 60898-1:2003+A1+A11+A12+A13 9.3	
		5	Clearance and creepage dist. external parts	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations- Part 1 :Circuit-breakers for a.c.operation IEC 60898-1:2015 ,IEC 60898-1:2002+A1+A2,EN 60898-1:2003+A1+A11+A12+A13 8.1.3	
		6	Non interchangeability	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations- Part 1 :Circuit-breakers for a.c.operation IEC 60898-1:2015 ,IEC 60898-1:2002+A1+A2,EN 60898-1:2003+A1+A11+A12+A13 9.4	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		7	Reliability of screws, current-carrying parts and connections	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations- Part 1 :Circuit-breakers for a.c.operation IEC 60898-1:2015 ,IEC 60898-1:2002+A1+A2,EN 60898-1:2003+A1+A11+A12+A13 9.5	
		8	Protection against electric shock	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations- Part 1 :Circuit-breakers for a.c.operation IEC 60898-1:2015 ,IEC 60898-1:2002+A1+A2,EN 60898-1:2003+A1+A11+A12+A13 9.6	
		9	Resistance to heat	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations- Part 1 :Circuit-breakers for a.c.operation IEC 60898-1:2015 ,IEC 60898-1:2002+A1+A2,EN 60898-1:2003+A1+A11+A12+A13 9.14	
		10	Resistance to abnormal heat and fire	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations- Part 1 :Circuit-breakers for a.c.operation IEC 60898-1:2015 ,IEC 60898-1:2002+A1+A2,EN 60898-1:2003+A1+A11+A12+A13 9.15	
		11	Resistance to rusting	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations- Part 1 :Circuit-breakers for a.c.operation IEC 60898-1:2015 ,IEC 60898-1:2002+A1+A2,EN 60898-1:2003+A1+A11+A12+A13 9.16	
		12	Dielectric properties	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations- Part 1 :Circuit-breakers for a.c.operation IEC 60898-1:2015 ,IEC 60898-1:2002+A1+A2,EN 60898-1:2003+A1+A11+A12+A13 9.7	
		13	Temperature rise	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations- Part 1 :Circuit-breakers for a.c.operation IEC 60898-1:2015 ,IEC 60898-1:2002+A1+A2,EN 60898-1:2003+A1+A11+A12+A13 9.8	
		14	28 days test	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations- Part 1 :Circuit-breakers for a.c.operation	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
				IEC 60898-1:2015 ,IEC 60898-1:2002+A1+A2,EN 60898-1:2003+A1+A11+A12+A13 9.9	
		15	Mechanical and electrical endurance	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations- Part 1 :Circuit-breakers for a.c.operation IEC 60898-1:2015 ,IEC 60898-1:2002+A1+A2,EN 60898-1:2003+A1+A11+A12+A13 9.11	
		16	Perf. at reduced short-circuit test	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations- Part 1 :Circuit-breakers for a.c.operation IEC 60898-1:2015 ,IEC 60898-1:2002+A1+A2,EN 60898-1:2003+A1+A11+A12+A13 9.12.11.2.1	
		17	Verification after short-circuit test	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations- Part 1 :Circuit-breakers for a.c.operation IEC 60898-1:2015 ,IEC 60898-1:2002+A1+A2,EN 60898-1:2003+A1+A11+A12+A13 9.12.12	
		18	Short-circuit test for verifying IT systems	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations- Part 1 :Circuit-breakers for a.c.operation IEC 60898-1:2015 ,IEC 60898-1:2002+A1+A2,EN 60898-1:2003+A1+A11+A12+A13 9.12.11.2	
		19	Verification after short-circuit test	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations- Part 1 :Circuit-breakers for a.c.operation IEC 60898-1:2015 ,IEC 60898-1:2002+A1+A2,EN 60898-1:2003+A1+A11+A12+A13 9.12.12	
		20	Tripping characteristics	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations- Part 1 :Circuit-breakers for a.c.operation IEC 60898-1:2015 ,IEC 60898-1:2002+A1+A2,EN 60898-1:2003+A1+A11+A12+A13 9.10	
		21	Resistance to mechanical shock and impact	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations- Part 1 :Circuit-breakers for a.c.operation IEC 60898-1:2015 ,IEC 60898-1:2002+A1+A2,EN 60898-1:2003+A1+A11+A12+A13 9.13	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		22	Short-circuit performance at 1500 A	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations- Part 1 :Circuit-breakers for a.c.operation IEC 60898-1:2015 ,IEC 60898-1:2002+A1+A2,EN 60898-1:2003+A1+A11+A12+A13 9.12.11.3	
		23	Verification after short-circuit test	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations- Part 1 :Circuit-breakers for a.c.operation IEC 60898-1:2015 ,IEC 60898-1:2002+A1+A2,EN 60898-1:2003+A1+A11+A12+A13 9.12.12	
		24	Service short-circuit capacity (Ics)	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations- Part 1 :Circuit-breakers for a.c.operation IEC 60898-1:2015 ,IEC 60898-1:2002+A1+A2,EN 60898-1:2003+A1+A11+A12+A13 9.12.11.4.2	
		25	Verification after short-circuit test	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations- Part 1 :Circuit-breakers for a.c.operation IEC 60898-1:2015 ,IEC 60898-1:2002+A1+A2,EN 60898-1:2003+A1+A11+A12+A13 9.12.12	
		26	Perf. rated short-circuit cap. (Icn)	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations- Part 1 :Circuit-breakers for a.c.operation IEC 60898-1:2015 ,IEC 60898-1:2002+A1+A2,EN 60898-1:2003+A1+A11+A12+A13 9.12.11.4.3	
		27	Verification after short-circuit test	Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations IEC 60898-1:2015 ,IEC 60898-1:2002+A1+A2,EN 60898-1:2003+A1+A11+A12+A13 9.12.12	
		13	Connecting devices for low-voltage circuits for household and similar purposes	1	marking
2	protection against electric shock			Connecting devices for low-voltage circuits for household and similar purposes Part1: General requirements GB 13140.1-2008 IEC 60998-1:2002 EN 60998-1:2004 9	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		3	connection of conductors	Connecting devices for low-voltage circuits for household and similar purposes Part1: General requirements GB 13140.1-2008 IEC 60998-1:2002 EN 60998-1:2004 10.101 to 103	
		4	test of clamped conductor	Connecting devices for low-voltage circuits for household and similar purposes Part1: General requirements GB 13140.1-2008 IEC 60998-1:2002 EN 60998-1:2004 10.106	
		5	clamping of the conductor	Connecting devices for low-voltage circuits for household and similar purposes Part1: General requirements GB 13140.1-2008 IEC 60998-1:2002 EN 60998-1:2004 11.102	
		6	clamping test	Connecting devices for low-voltage circuits for household and similar purposes Part1: General requirements GB 13140.1-2008 IEC 60998-1:2002 EN 60998-1:2004 11.103	
		7	rotating test	Connecting devices for low-voltage circuits for household and similar purposes Part1: General requirements GB 13140.1-2008 IEC 60998-1:2002 EN 60998-1:2004 10.104.	
		8	pull test	Connecting devices for low-voltage circuits for household and similar purposes Part1: General requirements GB 13140.1-2008 IEC 60998-1:2002 EN 60998-1:2004 10.105	
		9	resistance to ageing and to humidity	Connecting devices for low-voltage circuits for household and similar purposes Part1: General requirements GB 13140.1-2008 IEC 60998-1:2002 EN 60998-1:2004 18	
		10	insulation resistance and electric strength	Connecting devices for low-voltage circuits for household and similar purposes Part1: General requirements GB 13140.1-2008 IEC 60998-1:2002 EN 60998-1:2004 13	
		11	mechanical strength	Connecting devices for low-voltage circuits for household and similar purposes Part1: General requirements GB 13140.1-2008 IEC 60998-1:2002 EN 60998-1:2004 14	
		12	temperature rise	Connecting devices for low-voltage circuits for household and similar purposes Part1: General requirements GB 13140.1-2008 IEC 60998-1:2002 EN 60998-1:2004 15	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		13	resistance to heat	Connecting devices for low-voltage circuits for household and similar purposes Part1: General requirements GB 13140.1-2008 IEC 60998-1:2002 EN 60998-1:2004 16	
		14	clearance and creepage distance	Connecting devices for low-voltage circuits for household and similar purposes Part1: General requirements GB 13140.1-2008 IEC 60998-1:2002 EN 60998-1:2004 17	
		15	resistance of insulating material to abnormal heat and fire	Connecting devices for low-voltage circuits for household and similar purposes Part1: General requirements GB 13140.1-2008 IEC 60998-1:2002 EN 60998-1:2004 18	
		16	resistance of insulating material to tracking	Connecting devices for low-voltage circuits for household and similar purposes Part1: General requirements GB 13140.1-2008 IEC 60998-1:2002 EN 60998-1:2004 19	
14	Connecting devices for low-voltage circuits for household and similar purposes		Part items	Connecting devices for low-voltage circuits for household and similar purposes GB 13140.2-2008IEC 60998-2-1:2002 EN 60998-2-1:2004	Except for: EMC Test
		1	marking	Connecting devices for low-voltage circuits for household and similar purposes IEC 60998-2-1:2002 EN 60998-2-1:2004 8.4	
		2	protection against electric shock	Connecting devices for low-voltage circuits for household and similar purposes IEC 60998-2-1:2002 EN 60998-2-1:2004 9	
		3	connection of conductors	Connecting devices for low-voltage circuits for household and similar purposes IEC 60998-2-1:2002 EN 60998-2-1:2004 10.101 to 103	
		4	test of clamped conductor	Connecting devices for low-voltage circuits for household and similar purposes IEC 60998-2-1:2002 EN 60998-2-1:2004 10.106	
		5	clamping of the conductor	Connecting devices for low-voltage circuits for household and similar purposes IEC 60998-2-1:2002 EN 60998-2-1:2004 11.102	
		6	clamping test	Connecting devices for low-voltage circuits for household and similar purposes IEC 60998-2-1:2002 EN 60998-2-1:2004 11.103	
		7	rotating test	Connecting devices for low-voltage circuits for household and similar purposes IEC 60998-2-1:2002 EN 60998-2-1:2004 10.104.	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		8	pull test	Connecting devices for low-voltage circuits for household and similar purposes IEC 60998-2-1:2002 EN 60998-2-1:2004 10.105	
		9	resistance to ageing and to humidity	Connecting devices for low-voltage circuits for household and similar purposes IEC 60998-2-1:2002 EN 60998-2-1:2004 18	
		10	insulation resistance and electric strength	Connecting devices for low-voltage circuits for household and similar purposes IEC 60998-2-1:2002 EN 60998-2-1:2004 13	
		11	mechanical strength	Connecting devices for low-voltage circuits for household and similar purposes IEC 60998-2-1:2002 EN 60998-2-1:2004 14	
		12	temperature rise	Connecting devices for low-voltage circuits for household and similar purposes IEC 60998-2-1:2002 EN 60998-2-1:2004 15	
		13	resistance to heat	Connecting devices for low-voltage circuits for household and similar purposes IEC 60998-2-1:2002 EN 60998-2-1:2004 16	
		14	clearance and creepage distance	Connecting devices for low-voltage circuits for household and similar purposes IEC 60998-2-1:2002 EN 60998-2-1:2004 17	
		15	resistance of insulating material to abnormal heat and fire	Connecting devices for low-voltage circuits for household and similar purposes IEC 60998-2-1:2002 EN 60998-2-1:2004 18	
		16	resistance of insulating material to tracking	Connecting devices for low-voltage circuits for household and similar purposes IEC 60998-2-1:2002 EN 60998-2-1:2004 19	
15	particular requirement for connecting devices as separate entities with screwless-type clmping units		Part items	Connecting devices for low-voltage circuitsfor household and similar purposes_Part 2:Particular requirements for connecting devices as separate entities with screwless-type clamping units GB 13140.3-2008 IEC 60998-2-2:2002 EN 60998-2-2:2004	Except for: EMC test
		1	marking	Connecting devices for low-voltage circuitsfor household and similar purposes_Part 2:Particular requirements for connecting devices as separate entities with screwless-type clamping units IEC 60998-2-2:2002 EN 60998-2-2:2004 8.4	
		2	protection against electric shock	Connecting devices for low-voltage circuitsfor household and similar purposes Part 2:Particular requirements for connecting devices as separate	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
				entities with screwless-type clamping units IEC 60998-2-2:2002 EN 60998-2-2:2004 9	
		3	connection of conductors	Connecting devices for low-voltage circuits for household and similar purposes Part 2: Particular requirements for connecting devices as separate entities with screwless-type clamping units IEC 60998-2-2:2002 EN 60998-2-2:2004 10.101 to 103	
		4	test of clamped conductor	Connecting devices for low-voltage circuits for household and similar purposes Part 2: Particular requirements for connecting devices as separate entities with screwless-type clamping units IEC 60998-2-2:2002 EN 60998-2-2:2004 10.106	
		5	clamping of the conductor	Connecting devices for low-voltage circuits for household and similar purposes Part 2: Particular requirements for connecting devices as separate entities with screwless-type clamping units IEC 60998-2-2:2002 EN 60998-2-2:2004 11.102	
		6	clamping test	Connecting devices for low-voltage circuits for household and similar purposes Part 2: Particular requirements for connecting devices as separate entities with screwless-type clamping units IEC 60998-2-2:2002 EN 60998-2-2:2004 11.103	
		7	rotating test	Connecting devices for low-voltage circuits for household and similar purposes Part 2: Particular requirements for connecting devices as separate entities with screwless-type clamping units IEC 60998-2-2:2002 EN 60998-2-2:2004 10.104.	
		8	pull test	Connecting devices for low-voltage circuits for household and similar purposes Part 2: Particular requirements for connecting devices as separate entities with screwless-type clamping units IEC 60998-2-2:2002 EN 60998-2-2:2004 10.105	
		9	resistance to ageing and to humidity	Connecting devices for low-voltage circuits for household and similar purposes Part 2: Particular requirements for connecting devices as separate entities with screwless-type clamping units IEC 60998-2-2:2002 EN 60998-2-2:2004 18	



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		№	Item/ Parameter		
16	Electromechanical contactors for	10	insulation resistance and electric strength	Connecting devices for low-voltage circuits for household and similar purposes Part 2: Particular requirements for connecting devices as separate entities with screwless-type clamping units IEC 60998-2-2:2002 EN 60998-2-2:2004 13	
		11	mechanical strength	Connecting devices for low-voltage circuits for household and similar purposes Part 2: Particular requirements for connecting devices as separate entities with screwless-type clamping units IEC 60998-2-2:2002 EN 60998-2-2:2004 14	
		12	temperature rise	Connecting devices for low-voltage circuits for household and similar purposes Part 2: Particular requirements for connecting devices as separate entities with screwless-type clamping units IEC 60998-2-2:2002 EN 60998-2-2:2004 15	
		13	resistance to heat	Connecting devices for low-voltage circuits for household and similar purposes Part 2: Particular requirements for connecting devices as separate entities with screwless-type clamping units IEC 60998-2-2:2002 EN 60998-2-2:2004 16	
		14	clearance and creepage distance	Connecting devices for low-voltage circuits for household and similar purposes Part 2: Particular requirements for connecting devices as separate entities with screwless-type clamping units IEC 60998-2-2:2002 EN 60998-2-2:2004 17	
		15	resistance of insulating material to abnormal heat and fire	Connecting devices for low-voltage circuits for household and similar purposes Part 2: Particular requirements for connecting devices as separate entities with screwless-type clamping units IEC 60998-2-2:2002 EN 60998-2-2:2004 18	
		16	resistance of insulating material to tracking	Connecting devices for low-voltage circuits for household and similar purposes Part 2: Particular requirements for connecting devices as separate entities with screwless-type clamping units IEC 60998-2-2:2002 EN 60998-2-2:2004 19	
16	Electromechanical contactors for	Part items	Electromechanical contactors for household and similar purposes GB/T 17885-2016 IEC 61095:2009 EN 61095:2009	Except for: 1. EMC	

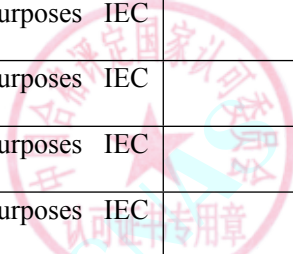


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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
	household and similar purposes				test; 2.Breaking capacity more than 35 kA (420 V)
1		Marking	Electromechanical contactors for household and similar purposes IEC 61095:2009 EN 61095:2009 6.2		
2		Temperature-rise	Electromechanical contactors for household and similar purposes IEC 61095:2009 EN 61095:2009 9.3.3.3		
3		Operation and operating	Electromechanical contactors for household and similar purposes IEC 61095:2009 EN 61095:2009 9.3.3.2		
4		Rated making and breaking capacities	Electromechanical contactors for household and similar purposes IEC 61095:2009 EN 61095:2009 9.3.3.5		
5		Dielectric properties	Electromechanical contactors for household and similar purposes IEC 61095:2009 EN 61095:2009 9.3.3.4		
6		Conventional operational performance	Electromechanical contactors for household and similar purposes IEC 61095:2009 EN 61095:2009 9.3.3.6		
7		Resistance to humidity	Electromechanical contactors for household and similar purposes IEC 61095:2009 EN 61095:2009 9.2.22		
8		Ability to with stand overload currents	Electromechanical contactors for household and similar purposes IEC 61095:2009 EN 61095:2009 9.3.5		
9		Resistance to rusting	Electromechanical contactors for household and similar purposes IEC 61095:2009 EN 61095:2009 9.2.2.5		
10		Durability of marking	Electromechanical contactors for household and similar purposes IEC 61095:2009 EN 61095:2009 9.2.7		
11	Resistance to impact	Electromechanical contactors for household and similar purposes IEC 61095:2009 EN 61095:2009 9.2.6			

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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		12	Cearance and creepage distance	Electromechanical contactors for household and similar purposes IEC 61095:2009 EN 61095:2009 9.3.3.4	
		13	Mechanical properties of terminals	Electromechanical contactors for household and similar purposes IEC 61095:2009 EN 61095:2009 9.2.5	
		14	Test on screws or nuts during installation or maintenance	Electromechanical contactors for household and similar purposes IEC 61095:2009 EN 61095:2009 9.2.3	
		15	Resistance to heat	Electromechanical contactors for household and similar purposes IEC 61095:2009 EN 61095:2009 9.2.2.3	
		16	Resistance to abnormal heat and fire	Electromechanical contactors for household and similar purposes IEC 61095:2009 EN 61095:2009 9.2.2.4	
		17	Resistance to tracking	Electromechanical contactors for household and similar purposes IEC 61095:2009 EN 61095:2009 9.2.2.6	
		18	Degrees of protection	Electromechanical contactors for household and similar purposes IEC 61095:2009 EN 61095:2009 9.3.4	
		19	Performance under short-circuit conditions	Electromechanical contactors for household and similar purposes IEC 61095:2009 EN 61095:2009 9.3.4	
17	electric and electronic products	1	Glow/hot-wire	Fire hazard testing for electric and electronic products - Part 10: Glow/hot-wire based test methods - Glow-wire apparatus and common test procedure GB/T 5169.10-2006 IEC 60695-2-10:201	
18	electric and electronic products	1	Glow/hot-wire	Fire hazard testing for electric and electronic products - Part 11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products GB/T 5169.11-2006 IEC 60695-2-11:2014	
19	solid insulating materials	1	The determination of the proof and the comparative tracking indices	Method for the determination of the proof and the comparative tracking indices of solid insulating materials IEC 60112:2003 + A1:2009	
20	electric and electronic	1	Abnormal heat-Ball pressure test	Fire hazard testing for electric and electronic products—Part 21: Abnormal heat-Ball pressure test GB/T5169.21-2006 IEC 60695-10-2: 2014	



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
	products				
21	low voltage electric appliance	1	Degrees of protection provided by enclosure	Degrees of protection provided by enclosure(IP code) GB 4208-2008 IEC60529:1989 +A1:1999 +A2:2013	Except for: >IP55 test
22	electric and electronic products	1	Shock	Environmental testing-Part 2-27:Tests-Test Ea and guidance:Shock GB/T 2423.5-1995 IEC 60068-2-27:2008	Accredited only for : Peakacceleration: maximum than 500 m/s ² Duration time of pulse: maximum than 20ms
23	electric and electronic products	1	Vibration	Environmental testing-Part 2-6:Tests-Test Fc:Vibration (sinusoidal) GB/T 2423.10-2008 IEC 60068-2-6:2007	Except for: F>1000Hz test



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