

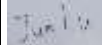
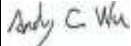
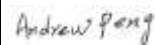


Test Report issued under the responsibility of:



**Test report  
IEC 61058-1-1  
Switches for appliances  
Part 1: Requirements for mechanical switches**

<b>Report reference No.</b> .....	INST-4789563853-A-2
<b>Date of issue</b> .....	2020-12-11
<b>Total number of pages</b> .....	9 PAGES OF REPORT AND 2 PAGES OF ANNEX
<b>Name of Testing Laboratory preparing the Report</b> .....	Underwriters Laboratories Taiwan Co., Ltd
<b>Applicant's name</b> .....	NINGBO HAISHU LIHE ELECTRONIC CO., LTD
<b>Address</b> .....	No.228, Qiushi Road, Wangchun Industrial Zone, Haishu District, NINGBO ZHEJIANG 315177, CHINA
<b>Test specification:</b>	
<b>Standard</b> .....	IEC 61058-1-1:2016
<b>Test procedure</b> .....	CB Scheme
<b>Non-standard test method</b> .....	N/A
<b>Test Report Form No.</b> .....	IEC61058_1_1C
<b>Test Report Form(s) Originator</b> .....	Intertek Semko AB
<b>Master TRF</b> .....	2019-05-23
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Test item description .....	See test report: INST-4789563853-A-1	for IEC61058_1H
Trademark .....	<b>RLEIL</b>	
Manufacturer .....	NINGBO HAISHU LIHE ELECTRONIC CO., LTD No.228, Qiushi Road, Wangchun Industrial Zone, Haishu District, NINGBO ZHEJIANG 315177, CHINA	
Model/type reference .....	RL6 Series, RL6(M) Series	
Rating .....	16(4)A, 250Vac, T125, 1E4 16(4)A, 250Vac, T85, 25E3 21(8)A, 250Vac T85, 1E4	
<b>Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):</b>		
<input type="checkbox"/> CB Testing Laboratory .....	Underwriters Laboratories Taiwan Co., Ltd	
Testing location/ address .....	260 Da-Yeh Road, TW-112 Peitou Taipei City, Chinese Taipei	
Tested by (name, function, signature) .....		
Approved by (name, function, signature) .....		
<input type="checkbox"/> Testing procedure: CTF Stage 1:..... :		
Testing location/ address .....		
Tested by (name, function, signature) .....		
Approved by (name, function, signature) .....		
<input checked="" type="checkbox"/> Testing procedure: CTF Stage 2:..... :		
Testing location/ address .....	SUZHOU WUZHONG DISTRICT HUARUI ELECTROMECHANICAL FACTORY	
Testing location/ address .....	NO. 2, CANGJI ROAD, MUDU TOWN, WUZHONG DISTRICT · SUZHOU, JIANGSU 215101, CHINA	
Tested by (name, function, signature) .....	Jun Lu / Tester	
Witnessed by (name, function, signature) .....	Andy C. Wu / Project Handler	
Approved by (name, function, signature) .....	Andrew Peng / Project Reviewer	
<input type="checkbox"/> Testing procedure: CTF Stage 3..... :		
<input type="checkbox"/> Testing procedure: CTF Stage 4..... :		
Testing location/ address .....		
Tested by (name, function, signature) .....		
Witnessed by (name, function, signature) .....		
Approved by name, function, signature) .....		
Supervised by (name, function, signature) .... :		

<b>List of Attachments:</b>		
• Photo – as required.	See test report:	INST-4789563853-A-1 for IEC61058_1H
• National Differences.	See test report:	N/A for IEC61058_1H
• Other attachments as needed. <input type="checkbox"/> Not included. <input checked="" type="checkbox"/> Included. See Annex pages 1-2: endurance testing results.		
<b>See test report for IEC61058_1H for:</b>		
• Summary of testing.		
• Tests performed (name of test and test clause).		
• Testing location.		
• Summary of compliance with National Differences (List of countries addressed).		
• <input checked="" type="checkbox"/> The product fulfils the requirements of EN 61058-1-1:2016.		
• Copy of marking plate.		
• <b>Test item particulars:</b>	See test report:	INST-4789563853-A-1 for IEC61058_1H
<b>Classification of installation and use</b> .....: N/A		
<b>Supply Connection</b> .....: AC		
.....:		
<b>Possible test case verdicts:</b>		
• test case does not apply to the test object .....: N/A		
• test object does meet the requirement .....: Pass (P)		
• test object does not meet the requirement .....: Fail (F)		
<b>Testing:</b>		
Date of receipt of test item .....	2020-10-08	
Date(s) of performance of test.....	2020-10-08 ~ 2020-11-24	
<b>General remarks:</b>		
"(See Enclosure #)" refers to additional information appended to the report.		
"(See appended table)" refers to a table appended to the report.		
Throughout this report a <input type="checkbox"/> comma / <input checked="" type="checkbox"/> point is used as the decimal separator.		
<b>Manufacturer's Declaration per sub-clause 4.2.5 of IEC61058-1:</b>		
The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided.....:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not applicable	
<b>When differences exist; they shall be identified in the General product information section.</b>		
<b>Name and address of factory (ies)</b> .....:	INST-4789563853-A-1	for IEC61058_1H
See test report .....		
<b>General Product Information and other remarks</b> ..:	INST-4789563853-A-1	for IEC61058_1H
See test report .....		

IEC 61058-1-1			
Clause	Requirement - Test	Result - Remark	Verdict
<b>6</b>	<b>RATING</b>		<b>P</b>
	This clause of part 1 is applicable.		
<b>7</b>	<b>CLASSIFICATION</b>		<b>P</b>
	This clause of part 1 is applicable.		
<b>8</b>	<b>MARKING AND DOCUMENTATION</b>		<b>P</b>
	This clause of part 1 is applicable.		
<b>9</b>	<b>PROTECTION AGAINST ELECTRIC SHOCK</b>		<b>P</b>
	This clause of part 1 is applicable.		
<b>10</b>	<b>PROVISION FOR EARTHING</b>		<b>P</b>
	This clause of part 1 is applicable.		
<b>11</b>	<b>TERMINALS AND TERMINATIONS</b>		<b>P</b>
	This clause of part 1 is applicable.		
<b>12</b>	<b>CONSTRUCTION</b>		<b>P</b>
	This clause of part 1 is applicable.		
<b>13</b>	<b>MECHANISM</b>		<b>P</b>
	This clause of part 1 is applicable.		
<b>14</b>	<b>PROTECTION AGAINST SOLID FOREIGN OBJECTS, INGRESS OF WATER AND HUMID CONDITIONS</b>		<b>P</b>
	This clause of part 1 is applicable.		
<b>15</b>	<b>INSULATION RESISTANCE AND DIELECTRIC STRENGTH</b>		<b>P</b>
	This clause of part 1 is applicable.		
<b>16</b>	<b>HEATING</b>		<b>P</b>
	This clause of part 1 is applicable.		
<b>17</b>	<b>ENDURANCE</b>		<b>P</b>
<b>17.1</b>	<b>General requirements</b>		
17.1.2	The sequence of tests to be completed on the same 3 specimens is as follows:		
		Carried out:	
	• TC3: a test at high speed specified in 17.5.3	<input type="checkbox"/> yes, <input checked="" type="checkbox"/> no	<b>N/A</b>
	• TC2: a test at slow speed specified in 17.5.2	<input checked="" type="checkbox"/> yes, <input type="checkbox"/> no	<b>P</b>
	• TC1: an increased-voltage test at accelerated speed as specified in 17.5.1	<input checked="" type="checkbox"/> yes, <input type="checkbox"/> no	<b>P</b>

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Clause	Requirement - Test	Result - Remark		Verdict
	• TC9: a locked-rotor test as specified in 17.5.5 at accelerated speed	<input type="checkbox"/> yes, <input checked="" type="checkbox"/> no		N/A
	• TC4: a test at accelerated speed as specified in 17.5.4;	<input checked="" type="checkbox"/> yes, <input type="checkbox"/> no		P
<b>17.1.3</b>	When required by Clause 13, TC10, is conducted on a different set of 3 specimens:			
	• a test at very slow speed as in 17.5.6; only applies to switches according to the requirements of 13.1			N/A
<b>17.2</b>	<b>Electrical endurance tests</b>			—
	The switch loaded as in Table 102 and/or Table 103 and connected in accordance with the circuit as given in Table 2.	<input checked="" type="checkbox"/> Table 102 and/or <input type="checkbox"/> Table 103		P
a)	Where in Table 2 an auxiliary switch (A) is symbolised in the test circuit,			
	• tests for two ON-positions of the specimen (S) performed on 2 separate sets of test samples			N/A
b)	Multiway switches loaded according to 61058-1:2016, Table 1.	See table 1.		N/A
c)	For specific lamp load (7.2.7),			
	• the connection and test load as specified by the manufacturer using the maximum occurring inrush current at room temperature			N/A
	• the specimen operated with loads that are used in the field rather than with synthetic loads			N/A
	• forced cooling of the specific lamp load applied in order to ensure cold resistance for each operating cycle and shorten the test time	<input type="checkbox"/> used <input type="checkbox"/> not used		N/A
d)	No electrical endurance tests applied for switches rated $\leq 20$ mA load as classified to 7.2.6			N/A
<b>17.3</b>	<b>Thermal conditions (air temperatures)</b>			
17.3.1	Switches according to 7.3.2 during tests in 17.5.4 (TC4) all parts exposed to:			
	<input checked="" type="checkbox"/> 1 <sup>st</sup> half of test at maximum T-rating (+5 / 0)°C	125, 85	°C	P
	<input checked="" type="checkbox"/> 2 <sup>nd</sup> half of test at 25°C $\pm$ 10°C <input type="checkbox"/> or at the minimum T-rating (0 / -5)°C if T < 0°C	25 $\pm$ 10	°C	P
17.3.2	Switches according to 7.3.3, during tests in 17.5.4 (TC4):			
	• parts for 0 °C to 55 °C, exposed to a temperature within this range for the complete test period			N/A
	<input type="checkbox"/> 1 <sup>st</sup> half of test, the remainder of the switch maintained at (T +5/0) °C		°C	N/A
	<input type="checkbox"/> 2 <sup>nd</sup> half of test, carried out at 25 °C $\pm$ 10 °C <input type="checkbox"/> or at the minimum T-rating (T 0/-5) °C		°C	N/A
17.3.3	Switches according to 7.3.1, during the tests in 17.5.4 (TC4):			
	• the switch exposed to 25 °C $\pm$ 10 °C			P

IEC 61058-1-1			
Clause	Requirement - Test	Result - Remark	Verdict
<b>17.4</b>	<b>Actuating conditions</b>		
17.4.1	The operating speed for the operating cycles shall be as follows: a) For very slow speed approximately:		
	<input type="checkbox"/> 1°/s for rotary actuation; <input type="checkbox"/> 0.5 mm/s for linear actuation.		N/A
	b) For slow speed approximately:		
	<input type="checkbox"/> 9°/s for rotary actuations at an angle $\leq 45^\circ$ ; <input type="checkbox"/> 18°/s for rotary actuations at an angle $>45^\circ$ ; <input checked="" type="checkbox"/> 20 mm/s for linear actuations		P
	c) For high speed:		
	• actuating member actuated by hand as fast as possible		N/A
	d) For accelerated speed approximately:		
	<input type="checkbox"/> 45°/s for rotary actuations at an angle $\leq 45^\circ$ ; <input type="checkbox"/> 90°/s for rotary actuations at an angle $> 45^\circ$ ; <input checked="" type="checkbox"/> 80 mm / s for linear actuations		P
17.4.2	For biased switches, the actuating member is moved to the limit of travel of the opposite position.		N/A
17.4.3	During the testing, care is taken that the test apparatus drives the actuating member, without impeding the designed movements of the switch.		P
17.4.4	During the accelerated speed test:		
	a) Care taken that test apparatus allows actuating member to operate freely.		P
	b) Switches for a rotary actuation where movement is not limited in either direction:		
	• 3/4 of operating cycles made in a clockwise and 1/4 in an anti-clockwise direction		N/A
	c) Switches for rotary actuation in one direction only, test is performed in the designed direction.		N/A
	d) Additional lubrication not applied during tests.		P
	e) Forces applied to the end stops of the actuating members do not exceed declared values.		N/A
17.4.5	Switches are operated with the following conditions. Table 104:		
	<input type="checkbox"/> $I_R \leq 10$ A; 1 (s) ON and 3 (s) OFF <input checked="" type="checkbox"/> $I_R > 10$ A but $< 25$ A; 2 (s) ON and 6 (s) OFF <input type="checkbox"/> $I_R \geq 25$ A; 4 (s) ON and 12 (s) OFF		P
	Capacitive and simulated lamp load ( <i>IEC 61058-1:2016, Figures 8 and 9</i> );		
	• 2 (s) ON and 15 (s) OFF		N/A
	Tungsten lamp loads:		
	• Minimum 1 (s) ON and Minimum 55 (s) OFF		N/A
	Very slow speed TC10:		
	• Minimum 2 (s) ON and Minimum 6 (s) OFF		N/A
	Locked rotor (TC9):		
	• 1 (s) ON and 30 (s) OFF		N/A

IEC 61058-1-1				
Clause	Requirement - Test	Result - Remark		Verdict
	Switches with test circuit as in Table 2 for codes 2.3, 2.5, 2.7 or 2.9:			
	<ul style="list-style-type: none"> <li>the ON periods is approximately 50 %</li> </ul>			N/A
	Multi-way switches comply with the table 104	(s) ON	(s) OFF	N/A
	<ul style="list-style-type: none"> <li>or be actuated with the speed indicated in 17.4.1 and a minimum ON period of 25 %</li> </ul>			N/A
<b>17.5</b>	<b>Type of test condition (TC)</b>			
17.5.2	Increased-voltage test at accelerated speed (TC1):			
	<ul style="list-style-type: none"> <li>Electrical conditions as in Table 102, 1.15 <math>U_n</math> and 1.0 <math>I_n</math>.</li> <li>Capacitive and simulated lamp load 1.0 <math>U_n</math> and 1.15 <math>I_n</math>.</li> <li>Thermal conditions 25 ± 10 °C.</li> <li>Method of operation as in 17.4.</li> <li>100 operating cycles.</li> </ul>	See table TC.		P
17.5.2	Test at slow speed (TC2)			
	<ul style="list-style-type: none"> <li>Electrical conditions as in 17.2.</li> <li>Thermal conditions 25 ± 10 °C.</li> <li>Actuating speed as in 17.4 slow speed.</li> <li>100 operating cycles</li> </ul>	See table TC.		P
17.5.3	Test at high speed (TC3) ( <i>only switches with more than one pole and with reversal polarity</i> ).			
	<ul style="list-style-type: none"> <li>Electrical conditions as in 17.2.</li> <li>Thermal conditions 25 ± 10 °C.</li> <li>Actuating speed as in 17.4 high speed.</li> <li>100 operating speed.</li> </ul>	See table TC.		N/A
17.5.4	Test at accelerated speed (TC4)			
	<ul style="list-style-type: none"> <li>Electrical conditions as in 17.2.</li> <li>Thermal conditions as in 17.3.</li> <li>Actuating speed, accelerated as in 17.4.</li> <li>Operating cycles as number declared in (7.4) reduced with the number already tested in 17.5.1, 17.5.2 and 17.5.3.</li> </ul>	See table TC.		P
17.5.5	Locked-rotor test (TC9):			
	<ul style="list-style-type: none"> <li>Electrical conditions as in 17.2.</li> <li>Thermal conditions 25 ± 10 °C.</li> <li>Actuating speed, accelerated as in 17.4.</li> <li>50 operating cycles.</li> </ul>	See table TC.		N/A
17.5.6	Test at very slow speed (TC10):			
	<ul style="list-style-type: none"> <li>Electrical conditions as in 17.2.</li> <li>Thermal conditions 25 ± 10 °C.</li> <li>Actuating speed, very slow speed in 17.4.</li> <li>100 operating cycles.</li> </ul>	See table TC.		N/A
<b>17.6</b>	<b>Evaluation of compliance</b>	See table TE1 – TE3.		P
<b>18</b>	<b>MECHANICAL STRENGTH</b>			P
	This clause of part 1 is applicable.			

IEC 61058-1-1			
Clause	Requirement - Test	Result - Remark	Verdict
<b>19</b>	<b>SCREWS, CURRENT-CARRYING PARTS AND CONNECTIONS</b>		<b>P</b>
	This clause of part 1 is applicable.		
<b>20</b>	<b>CLEARANCES, CREEPAGE DISTANCES, SOLID INSULATION AND COATINGS OF RIGID PRINTED BOARD ASSEMBLIES</b>		<b>P</b>
	This clause of part 1 is applicable.		
<b>21</b>	<b>FIRE HAZARD</b>		<b>P</b>
	This clause of part 1 is applicable.		
<b>22</b>	<b>Resistance to rusting</b>		<b>N/A</b>
	This clause of part 1 is applicable.		
<b>23</b>	<b>ABNORMAL OPERATION AND FAULT CONDITIONS FOR ELECTRONIC SWITCHES.</b>		<b>N/A</b>
	Mechanical switches with electronic components checked by clause 23 of IEC 61058-1-2:2016.		<b>N/A</b>
	Switches with rigid printed boards with creepage distances and clearances that do not comply with the required distances of Table 12 to Table 14 of IEC 61058-1:2016:		
	• checked by Clause 23 of IEC 61058-1-2:2016		<b>N/A</b>
<b>24</b>	<b>COMPONENTS</b>		<b>N/A</b>
	This clause of part 1 is applicable.		
<b>25</b>	<b>EMC REQUIREMENTS</b>		<b>N/A</b>
	This clause of part 1 is applicable.		



IEC 61058-1-1										
Clause	Requirement - Test						Result - Remark		Verdict	
<b>Results of endurance testing in clause 17</b>										
<b>Type:</b>	RL6-1-F	<b>Tested for:</b>	16(4)A, 250 V ac, 50/60 Hz, T125, 1E4.				<b>Circuit code:</b>	2.3		
<b>Table 1</b>	<b>Test loads for multi way switches</b>									
	Cycles of operations	Switch position of			Circuit ⇒ Load (A) ↓			—		
	1st half	Highest load			I <sub>R</sub>			N/A		
		Next lower load			0.8 I <sub>R</sub>			N/A		
		Further next lower load			0.533 I <sub>R</sub>			N/A		
	2nd half	Highest load			I <sub>R</sub>			N/A		
		Next lower load			0.5 I <sub>R</sub>			N/A		
		Further next lower load			0.333 I <sub>R</sub>			N/A		
<b>Table TC</b>										
<b>Sub-clause</b>	TC test	Volt (V)	Test load (A) Make Break		Cos (φ) Make Break		Time constant (ms)	Cycles		
17.5.1	TC1	292.9	27.83	18.5	0.627	1.0	--	100	P	
17.5.2	TC2	256.1	24.17	16.07	0.636	1.0	--	100	P	
17.5.3	TC3	--	--	--	--	--	--	--	N/A	
17.5.4	TC4	256.1	24.17	16.07	0.636	1.0	--	9800	P	
17.5.5	TC9	--	--	--	--	--	--	--	N/A	
17.5.6	TC10	--	--	--	--	--	--	--	N/A	
<b>TE1 – TE3</b>										
17.6.1	Functional compliance (TE1). Switch complies if									
	<input checked="" type="checkbox"/> all actions function as declared <input checked="" type="checkbox"/> no loosening of electrical / mechanical connections occur; <input type="checkbox"/> sealing compound does not flow to such an extent that live parts are exposed								P	
17.6.2	Thermal compliance (TE2)									
	<ul style="list-style-type: none"> <li>• Δt at the terminals &lt; 55K tested in accordance with Clause 16 at I<sub>R</sub> and 25°C ± 10 °C</li> </ul>									
	Test current						16	A	—	
	Samples 1, 2, 3:					1)	43.7	K	P	
						2)	40.8	K		
						3)	46.2	K		
17.6.3	Insulating compliance (TE3)									
	<ul style="list-style-type: none"> <li>• test voltage 75 % of the corresponding test voltage specified in sub-clause 15.3:</li> </ul>									
	<input checked="" type="checkbox"/> Over contact gap(s) <input checked="" type="checkbox"/> Between live parts of different polarity <input type="checkbox"/> Between live parts and earth metal <input checked="" type="checkbox"/> Between live parts and accessible metal parts or actuating members etc. Samples 1, 2, 3: No transient fault occurred								P	
	Supplementary information:									

Results of endurance testing in clause 17										
<b>Type:</b>	RL6-1-D	<b>Tested for:</b> 21(8)A, 250 V ac, 50/60 Hz, T85, 1E4.					<b>Circuit code:</b> 1.2			
<b>Table TC</b>										
Sub-clause	TC test	Volt (V)	Test load (A)		Cos ( $\varphi$ )		Time constant (ms)	Cycles		
			Make	Break	Make	Break				
17.5.1	TC1	292.5	55.39	24.38	0.617	1.0	--	100	P	
17.5.2	TC2	253.5	48.56	21.13	0.634	1.0	--	100	P	
17.5.3	TC3	--	--	--	--	--	--	--	N/A	
17.5.4	TC4	253.5	48.56	21.13	0.634	1.0	--	9800	P	
17.5.5	TC9	--	--	--	--	--	--	--	N/A	
17.5.6	TC10	--	--	--	--	--	--	--	N/A	
<b>TE1 – TE3</b>										
17.6.1	Functional compliance (TE1). Switch complies if									
	<input checked="" type="checkbox"/> all actions function as declared <input checked="" type="checkbox"/> no loosening of electrical / mechanical connections occur; <input type="checkbox"/> sealing compound does not flow to such an extent that live parts are exposed								P	
17.6.2	Thermal compliance (TE2)									
	<ul style="list-style-type: none"> <li><math>\Delta t</math> at the terminals &lt; 55K tested in accordance with Clause 16 at <math>I_R</math> and <math>25^\circ\text{C} \pm 10^\circ\text{C}</math></li> </ul>									
	Test current						21	A	—	
	Samples 1, 2, 3:					1)	47.8	K	P	
						2)	47.7	K		
						3)	44.7	K		
17.6.3	Insulating compliance (TE3)									
	<ul style="list-style-type: none"> <li>test voltage 75 % of the corresponding test voltage specified in sub-clause 15.3:</li> </ul>									
	<input checked="" type="checkbox"/> Over contact gap(s) <input checked="" type="checkbox"/> Between live parts of different polarity <input type="checkbox"/> Between live parts and earth metal <input checked="" type="checkbox"/> Between live parts and accessible metal parts or actuating members etc. Samples 1, 2, 3: No transient fault occurred								P	
	Supplementary information:									

Results of endurance testing in clause 17										
<b>Type:</b>	RL6-1-E	<b>Tested for:</b>	16(4)A, 250 V ac, 50/60 Hz, T85, 25E3.				<b>Circuit code:</b>	1.2		
<b>Table TC</b>										
Sub-clause	TC test	Volt (V)	Test load (A)		Cos ( $\varphi$ )		Time constant (ms)	Cycles		
			Make	Break	Make	Break				
17.5.1	TC1	290.9	27.65	18.43	0.607	1.0	--	100	P	
17.5.2	TC2	253.0	24.43	16.02	0.612	1.0	--	100	P	
17.5.3	TC3	--	--	--	--	--	--	--	N/A	
17.5.4	TC4	253.0	24.43	16.02	0.612	1.0	--	24800	P	
17.5.5	TC9	--	--	--	--	--	--	--	N/A	
17.5.6	TC10	--	--	--	--	--	--	--	N/A	
<b>TE1 – TE3</b>										
17.6.1	Functional compliance (TE1). Switch complies if									
	<input checked="" type="checkbox"/> all actions function as declared <input checked="" type="checkbox"/> no loosening of electrical / mechanical connections occur; <input type="checkbox"/> sealing compound does not flow to such an extent that live parts are exposed								P	
17.6.2	Thermal compliance (TE2)									
	<ul style="list-style-type: none"> <li><math>\Delta t</math> at the terminals &lt; 55K tested in accordance with Clause 16 at <math>I_R</math> and <math>25^\circ\text{C} \pm 10^\circ\text{C}</math></li> </ul>									
	Test current						16	A	—	
	Samples 1, 2, 3:					1)	40.8	K	P	
						2)	43.7	K		
						3)	36.3	K		
17.6.3	Insulating compliance (TE3)									
	<ul style="list-style-type: none"> <li>test voltage 75 % of the corresponding test voltage specified in sub-clause 15.3:</li> </ul>									
	<input checked="" type="checkbox"/> Over contact gap(s) <input checked="" type="checkbox"/> Between live parts of different polarity <input type="checkbox"/> Between live parts and earth metal <input checked="" type="checkbox"/> Between live parts and accessible metal parts or actuating members etc. Samples 1, 2, 3: No transient fault occurred								P	
	Supplementary information:									