



检测报告

TEST REPORT

报告编号 150163110711

REPORT NO.

产品名称 Magnetic Latching Relay

NAME OF SAMPLE

委托单位 Guangxi Ramway Technology Development Co., Ltd.

CUSTOMER

检测类别 Entrusted Test

TEST CATEGORY

浙江方圆检测集团股份有限公司

ZHEJIANG FANGYUAN TEST GROUP CO., LTD.

浙江省低压电器产品质量检验中心

Inspection Center of Products' Quality of Low Voltage Electric Apparatus in Zhejiang Province



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样品名称 Name of Sample	Magnetic Latching Relay	检测类别 Test Category	Entrusted test
型号规格 Model 等级 Grade	DS908A /	商 标 Trademark	/
额定电流 Rated current	70A	额定电压 Rated voltage	AC250V
技术参数 Technical parameter	Single phase UC3 6.0kA/10ms Us:9VDC	频 率 Frequency	50Hz
生产日期 Date of Manufacture	/	批号或编号 Serial No.	/
委托单位(客户) 名 称 Customer 地 址 Address	Guangxi Ramway Technology Development Co., Ltd. No.9 Xingyu Road, Wuzhou Industrial Park, Guangxi (543000)	受检单位 Inspected Entity	/
		生产单位 Manufacturer	Guangxi Ramway Technology Development Co., Ltd.
抽样者 Sampling Organization	/	抽样基数 Number of Samples	/
抽样地点 Sample Location	/	抽样数量 Number of Sample(s) for Inspection	/
抽样日期 Sampling Date	/	到样数量 Receiving Number of Sample(s)	2 pcs
送样者 Sample(s) Deliverer	Guangxi Ramway Technology Development Co., Ltd.	到样日期 Receiving Date of Sample(s)	July 13, 2015
检测依据 Test Requirements	IEC60947-5-1、IEC62055-31 UC3 and the entrusted requirement		
样品描述、状态 Description and Condition of Sample(s)	Be fit for test		
检测日期 Test Date	July 22, 2015	检测地点 Test location	No. 400 Guangqiong Road, Jiaxing City
检测结论 Test Summary	The entrusted samples have been tested according to IEC60947-5-1、IEC62055-31 UC3 and the entrusted requirement. The test results of every test item comply with the requirements.		
备 注 Remarks	/		

批准:
Approved by

王同忠

审 核:
Verified by

3073

编 制:
Compiled by

李双喜

Test Seal

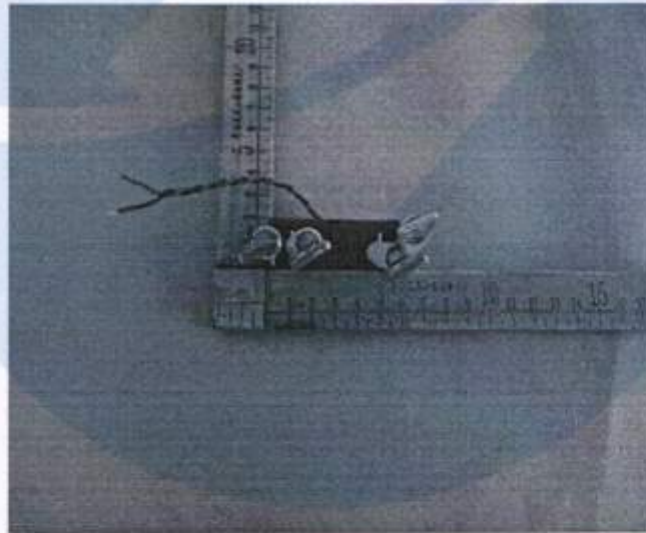
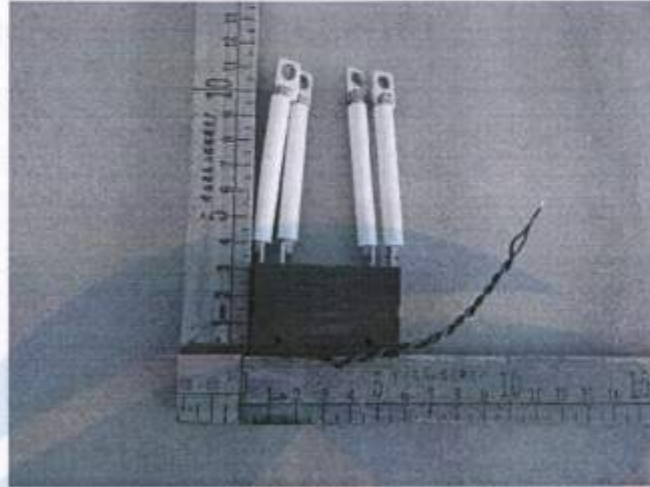
Date of Approval: July 29, 2015

检测专用章

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样品外观及标识照片
(Photo and Nameplate of the Inspected Sample(s))



检测报告的其它说明
(Other Explanation of the Test Report)

Test case verdicts:

Test case does not apply to the test object: N/A
Test item does meet the requirement : P(pass)
Test item does not meet the requirement : F(fail)

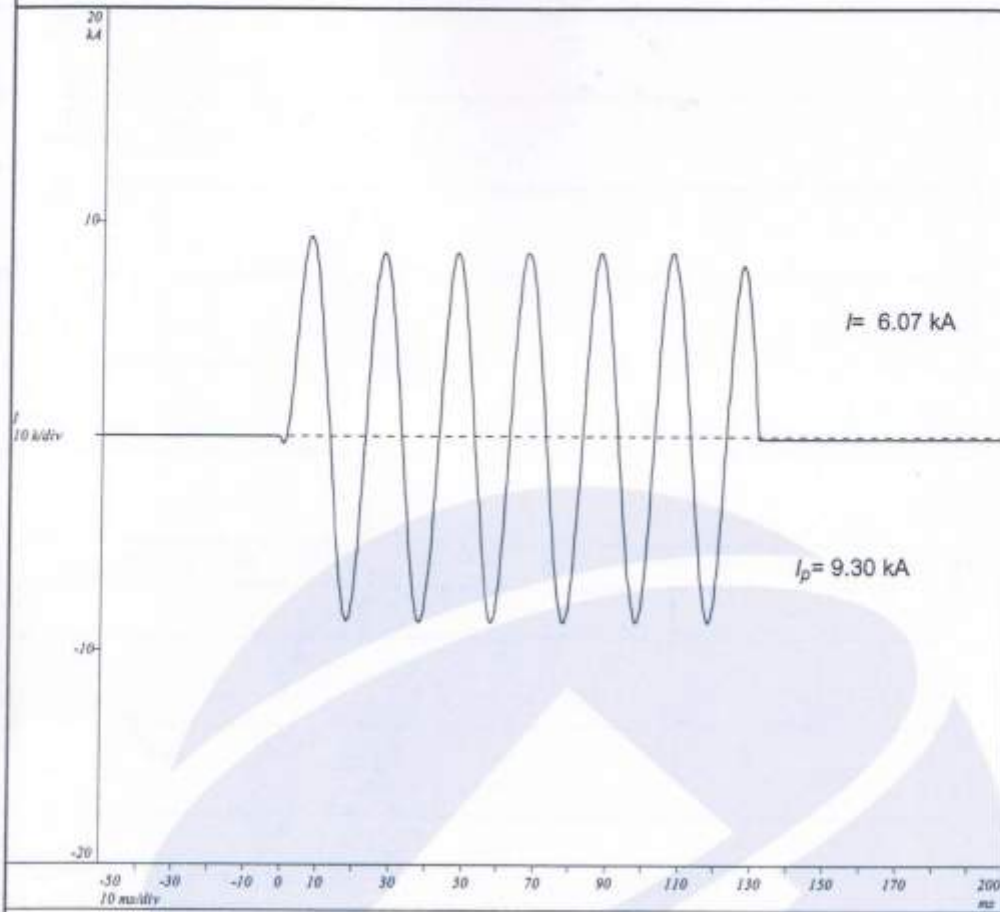
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Clause	Test items and test requirements	Result of measurement or observation	Conclusion
IEC60947-5-1 8.3.3.5.3 IEC62055-31 C.5	Making and breaking capacities of switching elements under abnormal conditions	2#	P
	Fault current making capacity		
	Test voltage (r.m.s.): $250 \pm 5\%$ (V)	252	
	Test current (r.m.s.): $3.00^{+5\%}$ (kA)	3.09	
	$\cos\phi$: $0.90_{-0.05}$	0.87	
	Control voltage: 9VDC	9	
	Conductor: 25×1 ($\text{mm}^2 \times \text{m}$)	25×1	
	Test sequence: CO-t-CO-t-CO	CO-t-CO-t-CO	
	Interval: $t \geq 1\text{min}$	1	
	Make time: see the oscillograms		
	Screw: M5	M5	
	Tightening torque: $2.0\text{N} \cdot \text{m}$	2.0	
	I_p max (kA)	3.58	
	I^2t max (kA^2s)	31.8	
	Duration max (ms)	6.48	
Arcing time max (ms)	3.75		
Acceptance criteria:			
1) There shall be no signs of sticking or welding of contacts;	No signs		
2) There shall be no signs of burning or smoking of the enclosure and the conductors;	No signs		
3) The surroundings of the payment meter shall not be endangered;	No		
Serial No. of the oscillogram of the prospective current:	Y150711002		
Serial No. of the oscillograms:	S150711004 ~ S150711006		
TEST REPORT END			

预期电流示波图

150163110711



预期电流示波图

$U = 252$ V

$I = 6.07$ kA

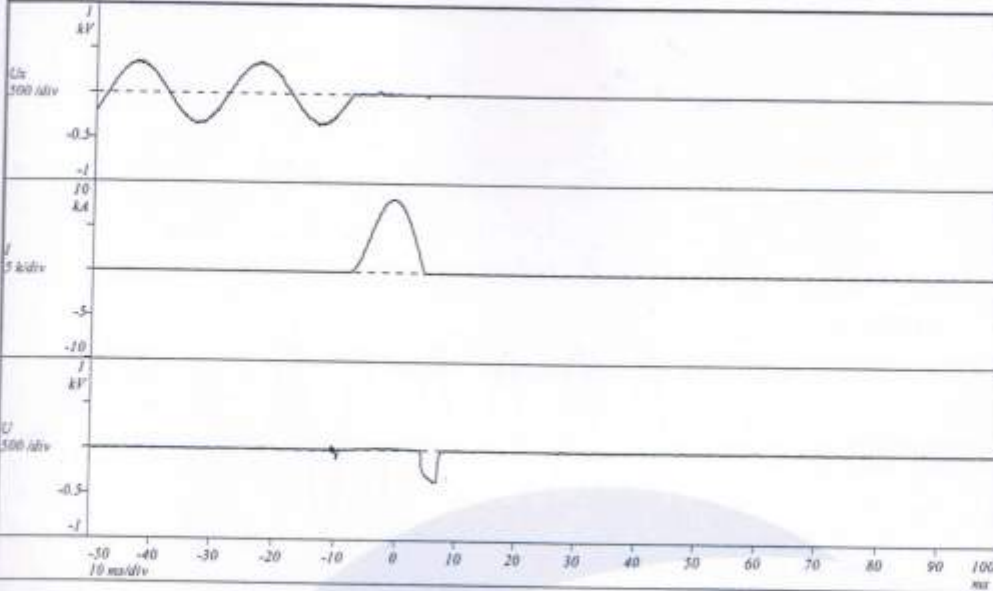
$I_p = 9.30$ kA

$\cos\varphi = 0.69$

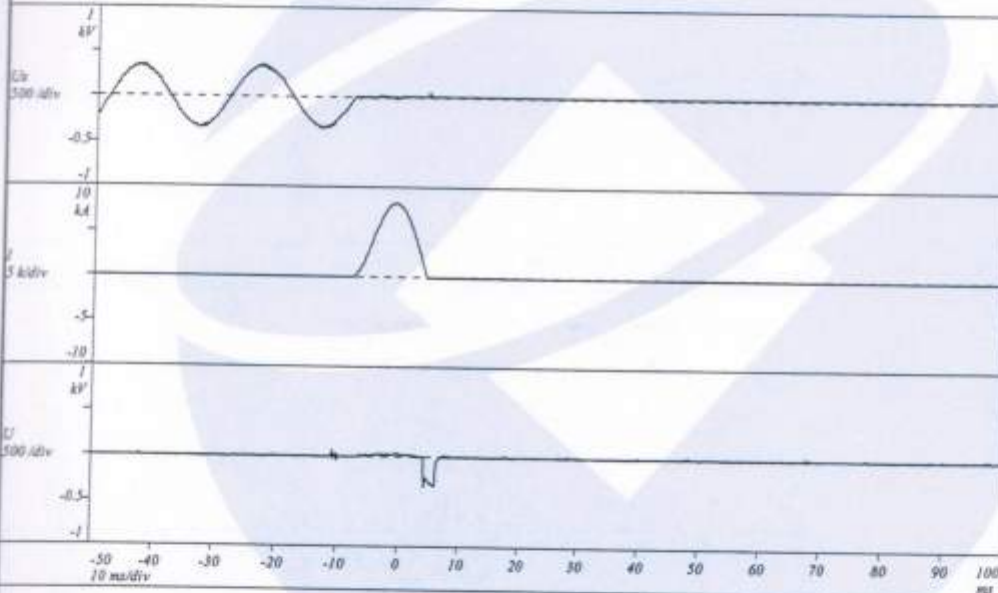
Y150711001

试验示波图

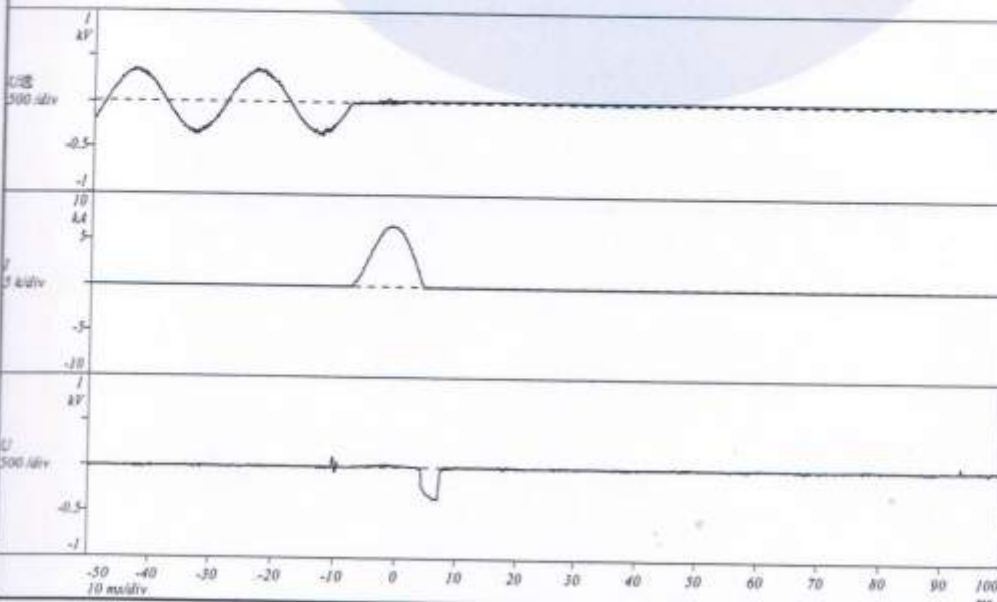
150163110711



250V
70A
U = 252.V
I = 6.07kA
cosφ = 0.69
1#
O1
合闸角: 0°
I_p = 8.22 kA
I²t = 368. kA²s
通断时间: 11.3 ms
S150711001



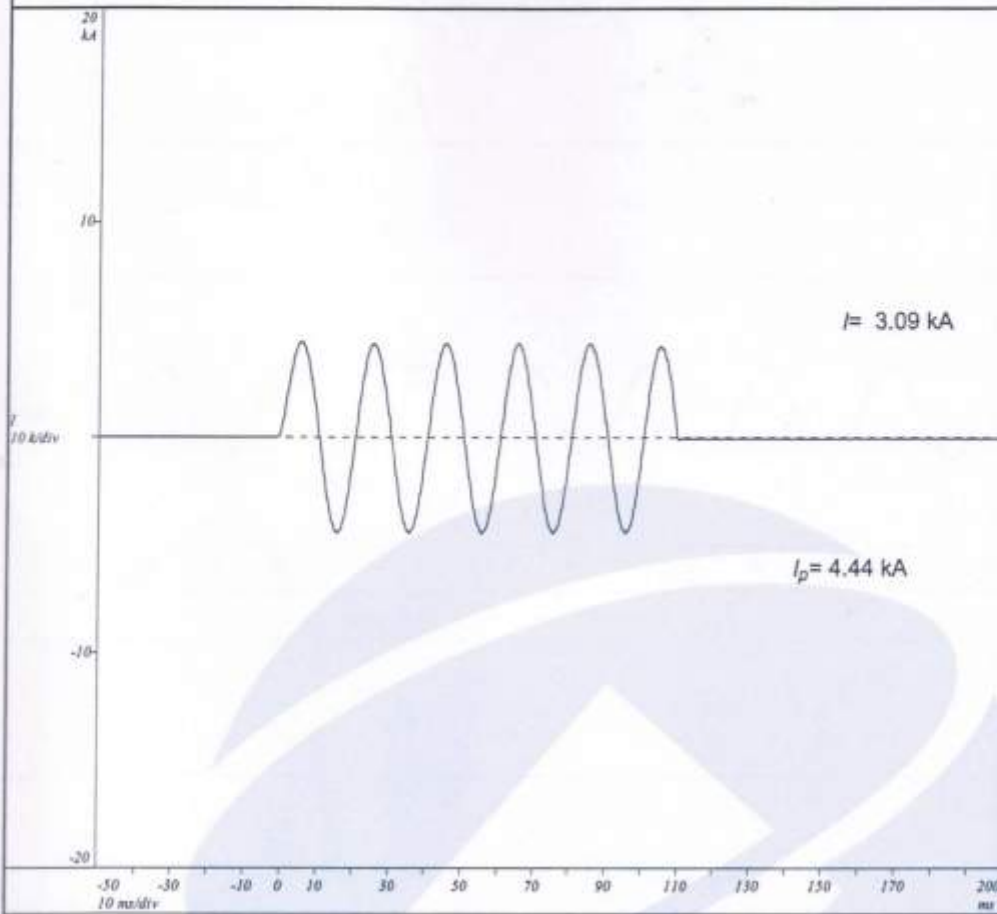
250V
70A
U = 252.V
I = 6.07kA
cosφ = 0.69
1#
O2
合闸角: 0°
I_p = 8.24 kA
I²t = 367. kA²s
通断时间: 11.2 ms
S150711002



250V
70A
U = 252.V
I = 6.07kA
cosφ = 0.69
1#
O3
合闸角: 0°
I_p = 6.64 kA
I²t = 238. kA²s
通断时间: 11.1 ms
S150711003

预期电流示波图

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预期电流
U = 252.V
I = 3.09 kA
Ip = 4.44 kA
cosφ = 0.87

Y150711002

试验示波图

150163110711

