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No. DG1212091



2009003110Z



检测
CNAS L0107



(2009)国认监认字(018)号

检 验 报 告

TEST REPORT

SAMPLE NAME: Outdoor High-voltage AC

Drop Type Fuse

TYPE: THCl-12/200-12.5

APPLICANT NAME : Zhejiang Tanho Electrical
Equipment Co.Ltd



国家高低压电器质量监督检验中心

National High-low Voltage Electrical Apparatus Quality Supervision And Inspection Center



NEIC

TEST REPORT

APPLICANT

No.WG12772

INSPECTION CONCLUSIONS

TYPE AND NAME OF SAMPLE: THCI-12/200-12.5, Outdoor High-voltage AC Drop Type fuse

APPLICANT NAME:Zhangjiang tanho Electrical Equipment Co.,Ltd.

APPLICANT ADDRESS:Changhong Zone,Liushi,zhejiang

MANUFACTURER: Zhangjiang tanho Electrical Equipment Co.,Ltd.

MANUFACTURE ADDRESS: Changhong Zone,Liushi,zhejiang

EX-FACTORY NUMBER: /

EX-FACTORY DATE: Nov.,2012

RECEIVING DATE OF THE TEST PRODUCT:Dec.,3,2012

INSPECTION DATE: Dec.,5,2012 ~ Dec.,14th,2012

Inspection items:

Lightning impulse voltage test [Phases to Earth 75kV; Breaks: 85kV]

Power frequency voltage dry test [Phases to Earth 42kV 1min Breaks: 48kV 1min]

Power frequency voltage wet test [Phases to Earth 28kV 1min; Breaks: 32kV 1min]

Main circuit resistance measurement

[Temperature rise test before and after resistance variation is not more than 20%]

T-rise test [200A]

Mechanics strength test

Time- Electricity Feature test [480A, 600s; 760A, 10s; 3880A, 0.1s]

Interruption test 1 [10.4kV, 12.5kA, 3time]

Interruption test 2 [10.4kV, 7.5 ~ 10kA, 3 time]

Interruption test 3 [10.4kV, 2.5 ~ 3.75kA, 1 time]

Interruption test 5 [10.4kV, 0.54 ~ 0.66kA, 2 time]

Inspection basis:

GB/T15166.3-2008 High-voltage alternating-current fuses—Part 3:Expulsion fuses

Inspection conclusions:

The test results of the test items to meet the test based on the relevant provisions

Of the corresponding performance of test sample qualified

PREPARER BY: *Lin Jie* EXAMINER BY: *Huximin* APPROVAL BY

DATE: *Dec 21th 2012* DATE: *Dec 21th 2012* DATE: *Li Ping 2012*

NEIC	TEST REPORT	APPLICANT No.WG12772
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OVERVIEW

TYPE AND NAME OF SAMPLE: THCI-12/200-12.5, Outdoor High-voltage AC Drop Type fuse

MANUFACTURER: Zhangjiang tanho Electrical Equipment Co.,Ltd.

MANUFACTURE ADDRESS: Changhong Zone,Liushi,zhejiang

EX-FACTORY NUMBER: /

MAIN TECHNICAL PARAMETERS OF THE SAMPLE	Rated voltage kV	12
	Rated current A	200
	Rated start current kA	12.5
	Rated short-time power frequency withstand voltage (The same to try and dry) kV	42
	Rated short-time power frequency withstand voltage (Breaks Dry test) kV	48
	Rated short-time power frequency withstand voltage (The same to try and wet) kV	28
	Rated short-time power frequency withstand voltage (Breaks damp test) kV	32
	rated lightning impulse withstand voltage (And the same to) kV	75
	rated lightning impulse withstand voltage (fracture) kV	85
	Fuse rank	B Grade
	Fuse a sort	K Model

Explanation

Representative of Applicant:Zheng haizhong

Date of Test:: Dec.,5th,2012 to Dec.,14th,2012

Insulation test (Power frequency voltage Dry test)

The sample state or test parts	Pressure parts	Ground parts	1 min High-voltage test with working frequency (Dry Status)		
			voltage (kV)	Pressure number	breakdown number
fuse fracture In a closed state	Aa	F	42	1	0
fuse fracture In breaking state	A	a	48	1	0
	a	A	48	1	0

Before the test sample situation: new

Note: A——Test part side of the terminal; a——Test site another side terminal; F——Try product metal parts and installation base data in the table are already correction to the standard atmospheric conditions

Try area atmospheric conditions	P=100.6kPa; Relative humidity: 51% correction factor ka=	Environment temperature t=26.4℃; Atmospheric correction factor Kt=1.0	Altitude
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Insulation test (Lightning impulse voltage Dry test)

The sample state or test parts	Pressure parts	Ground parts	Positive polarity			Negative polarity		
			voltage (kV)	Pressure number	breakdown number	voltage (kV)	Pressure number	breakdown number
fracture in a closed state	Aa	F	75	15	0	75	15	0
fracture in breaking state	A	A	85	15	0	85	15	0
	a	A	85	15	0	85	15	0

Before the test sample situation: new
 Note: A——Test part side of the terminal; a——Test site another side terminal; F——Try product metal parts and installation base data in the table are already correction to the standard atmospheric conditions

Try area atmospheric conditions	P=100.6kPa; → Environment temperature t=26.4℃; Relative humidity: 51% Atmospheric correction factor Kt=1.0 Altitude correction factor ka=/
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Insulation test (Power frequency voltage damp test)

Average rate of the rain Horizontal component: 1.2mm/min Vertical component: 1.1mm/min		Resistivity ρ_{20} : 104 Ω ·m		Water temperature: 27.2℃	
The sample state or test parts	Pressure parts	Ground parts	1 min High-voltage test with working frequency (damp Status)		
			voltage (kV)	Pressure number	breakdown number
fuse fracture In a closed state	Aa	F	28	1	0
fuse fracture In breaking state	A	a	32	1	0
	a	A	32	1	0

Before the test sample situation: new

Note: A——Test part side of the terminal; a——Test site another side terminal; F——Try product metal parts and installation base data in the table are already correction to the standard atmospheric conditions

Try area atmospheric conditions	P=100.6kPa; Relative humidity: 51% correction factor ka=	Environment temperature t=26.4℃; Atmospheric correction factor Kt=1.0	Altitude
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