

**APPLICATION FOR LOW VOLTAGE DIRECTIVE
On Behalf of**

**HUI ZHOU YUXUAN NEW MATERIAL CO.,LTD
solder sleeve wire splices
Model: SST,SST-R, SST-S**

**Prepared For: HUI ZHOU YUXUAN NEW MATERIAL CO.,LTD
No.8 Jinbao Chengshi Jiayuan Building.No.5 Hechang
Road,Zhongkai**

**Prepared By: Shenzhen ATL Testing Technology Co., Ltd.
Room 201, Building 1, Anxu Business Park, No. 35-1, Xiangyin
Road, Nanlian Community, Longgang Street, Longgang District,
Shenzhen**

Date of Test: Aug. 16, 2023 to Aug. 22, 2023

Date of Report: Aug. 22, 2023

Report Number: ATL20230814654S01

**TEST REPORT
IEC 61984****Connectors — Safety requirements and tests**Report Number **ATL20230814654S01**Tested by (name+signature)  *Andy Huang*Approved by (name+signature) *Xu Peng*
Xu Peng

Date of issue.....: Aug. 22, 2023

Testing Laboratory **Shenzhen ATL Testing Technology Co., Ltd.**

Address..... Room 201, Building 1, Anxu Business Park, No. 35-1, Xiangyin Road, Nanlian Community, Longgang Street, Longgang District, Shenzhen

Applicant's name HUI ZHOU YUXUAN NEW MATERIAL CO.,LTD

Address No.8 Jinbao Chengshi Jiayuan Building.No.5 Hechang Road,Zhongkai

Test specification:

Standard: EN 61984:2009

Test procedure CE-LVD

Non-standard test method N/A

Test Report Form No...... IEC61984C

Test Report Form(s) Originator VDE Testing and Certification Institute

Master TRF.....: Dated 2017-06

Copyright © 2010 IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components (IECEE System). All rights reserved.

This publication may be reproduced in whole or in part for non-commercial purposes as long as the IECEE is acknowledged as copyright owner and source of the material. IECEE takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.

Test item description solder sleeve wire splices

Trademark N/A

Manufacturer Same as applicant

Model/Type reference..... SST,SST-R ,SST-S

Rating(s).....: See table 0.1

IEC 61984			
Clause	Requirement	Remark	Result

List of Attachments (including a total number of pages in each attachment):

- Attachment I : 15 pages for EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES
- Attachment II: 1 pages for Photo documentation from 25.

Summary of testing:

Tests performed (name of test and test clause):

-- EN 61984:2009;
The submitted samples were found to comply with the requirements of above specification.

Testing location:

Room 201, Building 1, Anxu Business Park,
No. 35-1, Xiangyin Road, Nanlian Community,
Longgang Street, Longgang District,
Shenzhen

IEC 61984			
Clause	Requirement	Remark	Result
	MECHANICAL TEST GROUP A (TABLE 10)		P
A1	VISUAL EXAMINATION: IEC 60512 Test 1a		P
6.2.2	Marking indelible and easily legible		P
1.5.2	Minimum marking on the connector a) trademark		P
	Markings a) trademark and b) type identification on smallest unit of packaging		P
	All other markings (c – k) given in the technical documentation or catalogue of the manufacturer		P
	c) Rated current	6A	P
	c) Rated voltage	220-240V	P
	e) Over voltage category	II	P
	f) Pollution degree	2	P
	g) Protection degree	IP67	P
	h) Range of temperature	-55 º ~ 125 º	P
	i) Type of terminals	Insulation piercing connections	P
	j) Connectable conductors	0,75-4,0 mm ² (rigid and rigid stranded) on the pin side. 0,75 mm ² (rigid) on the contact tube side	P
	k) Reference to this standard or to the DS		P
6.2.3	Position for the contacts and protective earthing contacts clearly indicated. Marking of protective earthing contacts applies symbol or “PE”. This requirement is not necessary for non rewirable connectors		N/A
6.9.2	Fixing means not used to fix live parts.		P
6.9.3	Termination without damage possible.		P
6.10	CBC has adequate breaking capacity.		N/A

IEC 61984			
Clause	Requirement	Remark	Result
6.11	Free connector: Wires protected against shear and tensile stress at the termination and secured to prevent twisting.		P
	The above requirement does not apply to:		—
	a) free connectors for termination to cables in fixed mountings (plug connection in the sense of a detachable connection)		N/A
	b) free connectors in which the terminations are protected against pull and twisting by mounting provisions in the end-use product		P
	DIMENSIONAL EXAMINATION: IEC 60512		—
6.19	Clearances and creepage distances according to IEC 60664.	see table 0.2	P
	Connector dimensions comply with the DS or manufacturer's specification.		P
A2	DURABILITY OF MARKING		—
7.3.2	Test liquid: water Test piston size 1; force 5 N; 10 cycles IEC 60068-2-70 Test Xb „Abrasion of marking“	IEC 60068-2-70 Test Xb “Abrasion of marking” in the moulding	P
	VISUAL EXAMINATION: IEC 60512 Test 1a		—
	Visible with the naked eye		P

A3	POLARISATION AND CODING: IEC 60512 / Test [13e]		—
	- For unenclosed connectors (internal connections) 20 N	>20N	P
	- For enclosed connectors (external connections) 1,5 x mating force, but not higher than 80 N		N/A
6.3	Multipole connector: Contact between protective earthing contacts and live contacts is not possible by engagement.		N/A
6.9.1	Multipole connector: Polarisation prevents improper connection of mating parts.		N/A

IEC 61984			
Clause	Requirement	Remark	Result
	VISUAL EXAMINATION: IEC 60512 Test 1a		—
	No damage likely to impair function		N/A
A4	PROVISIONS FOR EARTHING		—
6.5.1	For a CBC the earthing contact is a “first make - last break” contact.		N/A
7.3.3	No electrical contact indication between earth contact and the other contacts.		N/A
6.5.4	CONNECTION OF THE PROTECTIVE EARTH CONNECTOR		—
	VISUAL EXAMINATION: IEC 60512 Test 1a		—
	Remove any available covers if required.		P
6.5.4.1	The protective conductor terminal accepts a conductor with a minimum cross-section as specified in Table 1, Column 2:		P
	Minimum cross- section according to Table 1 :	0.75 mm ²	—
6.5.4.2	With regard to design and type of construction, the protective conductor terminations are at least equivalent to the other terminations according to clause 6.:		P
A5	INTERLOCK		—
7.3.4	The specimens are engaged by hand over their full engagement distance. All other contacts are wired in series. The interlock contacts “make last and break first”, before any other contact does.		N/A
6.7	The connector with an interlock cannot be engaged or disengaged as long as the contacts are live.		N/A
A6	TERMINATIONS		—
6.6	Range of connectable conductor(s)	0,75-4,0 mm ² (rigid and rigid stranded) on the pin side. 0,75 mm ² (rigid) on the contacttube side	P

IEC 61984			
Clause	Requirement	Remark	Result
6.6.1 a)	Test acc. to: IEC 60352-1 Wrapped connections		N/A
6.6.1 b)	Test acc. to: IEC 60352-2 Crimped connections		N/A
6.6.1 c)	Test acc. to: IEC 60352-3 or IEC 60998-2-3 Accessible insulation displacement connections		N/A
6.6.1 d)	Test acc. to: IEC 60352-4 or IEC 60998-2-3 Non-accessible insulation displacement connections		N/A
6.6.1 e)	Test acc. to: IEC 60352-5 Press-in connections		N/A
6.6.1 f)	Test acc. to: IEC 60352-6 or IEC 60998-2-3 Insulation piercing connections		P
6.6.1 g)	Test acc. to: IEC 60999-1 or IEC 60999-2 or IEC 60352-7 Screwless-type clamping units		N/A
6.6.1 h)	Test acc. to: IEC 60999-1 or IEC 60999-2 Screw-type clamping units		N/A
6.6.1 i)	Test acc. to: IEC 60760 or IEC 61210 Flat, quick-connect terminations		N/A
	Test acc. to: IEC 60068-2-20 Solder terminations		N/A
	Other terminations, not mentioned above, acc. to IEC standard..... :		N/A

A7	CONTACT RETENTION IN INSERT: IEC 60512 Test 15a		—
	Test load shall be three times the specified insertion force (mating) of one contact or the specified insertion force of one contact plus 50 N, whichever is less. Minimum test load 20 N.		—
	VISUAL EXAMINATION: IEC 60512 Test 1a		—
6.18.2	Contacts safety retained		P

IEC 61984			
Clause	Requirement	Remark	Result
	No axial displacement likely to impair normal operation		P

A8	CABLE CLAMP: IEC 60512		—
	The cable clamp is made of insulating material or metal.		N/A
	Metal cable clamps meet one of the following requirements:		—
	a) Provided with a covering of insulating material to prevent any accessible metal part becoming live in case of a fault.		N/A
	b) No contact possible with the IEC test finger according to IEC 60529.		N/A
	c) Be connected to protective earth.		N/A
	Cable clamping range (6.17 Table 6 or manufacturer's specification)		N/A
A8.1	CABLE CLAMP (PULL) IEC 60512 Test 17c		N/A
	VISUAL EXAMINATION: IEC 60512 Test 1a		N/A
	Covers mounted / contacts not connected	See appended table A8.1	N/A
A8.2	CABLE CLAMP (TORSION): IEC 60512 Test 17d		N/A
	VISUAL EXAMINATION: IEC 60512 Test 1a		N/A
	Covers mounted	See appended table A8.2	N/A

A9	MECHANICAL STRENGTH IMPACT (Only free Connectors and CBC): IEC 60512 Test 7b		—
	Dropping cycles: 8 positions in 45° steps		N/A
	Dropping height		—
	VISUAL EXAMINATION: IEC 60512 Test 1a		—
6.18.1	No damage likely to impair safety		N/A
6.18.3	Internal insulations not damaged		N/A
	Parts against electric shock not damaged		N/A

IEC 61984			
Clause	Requirement	Remark	Result

	Clearances and creepage distances not reduced		N/A
--	---	--	-----

	SERVICE LIFE TEST GROUP B (TABLE 11)		—
B1	INITIAL MEASUREMENTS (CONTACT RESISTANCE): IEC 60512 Test 2b		—
	Reference value for subsequent measurement:	See appended table B1	P
	Test current..... :	1A	P

B2	BREAKING CAPACITY (ONLY FOR CBCs)		—
7.3.5	Operating cycles		—
	Speed of insertion/ withdrawal	0,8 m/s	—
	Test voltage	V	—
	Test current	A	—
	Power factor / cos(φ)	0,9 ± 0,05	—
	Time constant	1 ms ± 15%	—
	VISUAL EXAMINATION: IEC 60512 Test 1a		—
6.14.2	No damage occurred, which could impair normal use		N/A

B3	MECHANICAL OPERATIONS: IEC 60512 Test 9a		—
7.3.9	Operating cycles	100	—
	Insertion speed	0,01 m/s	—
	Rest	30S	—
	VISUAL EXAMINATION: IEC 60512 Test 1a		—
6.14.1	No damage occurred, which could impair normal use		P

B4	FINAL MEASUREMENTS (CONTACT RESISTANCE): IEC 60512 Test 2b		—
	Test current	1A	P
	$R2 \leq 1,5 R1$ or $R2 \leq 5 \text{ m}\Omega + R1$:	See appended table B4.1	P
	DIELECTRIC STRENGTH: IEC 60512 Test 4a		—
	a) Impulse withstand voltage	4KV	P

IEC 61984			
Clause	Requirement	Remark	Result
	b) r.m.s. withstand voltage	7KV	P
6.13	No breakdown or flashover occurred	See appended table B4.2	—

B5	BENDING (FLEXING) TEST (To be performed on new specimen)		—
7.3.10	Only non-rewirable connectors		—
	Rated current	A	—
	Rated voltage	V	—
	Wire cross section	mm ²	—
	Load: > 0,75 mm ² / 20 N ; ≤ 0,75 mm ² / 10 N	N	—
	Numbers of bending		—
	DURING THE TEST		—
	No interruption of the test current		N/A
	No short-circuit between the conductors		N/A
	AFTER THE TEST		—
	Cable support sleeve not loosened from the body		N/A

	Insulation shows no signs of abrasion or of wear and tear.		N/A
	Broken strands do not pierce the insulation.		N/A
	VISUAL EXAMINATION: IEC 60512 Test 1a		—
6.14.3	No damage occurs, which could impair normal use.		N/A

	THERMAL TEST GROUP C (TABLE 12)		—
	TEMPERATURE RISE TEST: IEC 60512 Test 5A		—
	Test conductor length according Table 7	250	—
	Test conductor cross-section.....	4,0 mm ²	—
7.3.7	Mated specimen		—
	Test current	32A	—
	Ambient temperature – components	25°C	—
	Upper limit temperature – components	105°C	—

IEC 61984			
Clause	Requirement	Remark	Result
6.16	The upper limiting temperature specified for the specimen is not exceeded	See appended table C1	P

	CLIMATIC TEST GROUP D (TABLE 13)		—
D1	INITIAL MEASUREMENTS (CONTACT RESISTANCE): IEC 60512 Test 2b		—
	Reference value for subsequent measurement.. :	See appended table D1	—
	Test current	1A	—

D2	COLD: IEC 60512 Test 11j		—
	Mated specimen		—
	Test duration	2h	—
	Lower temperature limit	-40	—
	VISUAL EXAMINATION: IEC 60512 Test 1a		—
6.6.3	Sufficient contact pressure through insulation		P

6.8 / 6.15	No visual damage, no cracks on insulations parts likely to impair safety		P
6.18.3	Internal insulation shows no damage likely to impair safety		P
	No damage occurred, which could impair normal use		P

D3	DRY HEAT: IEC 60512 Test 11i		—
	Mated specimen.....		—
	Test duration	7 days	—
	Upper temperature limit	+105 ℃	—
	VISUAL EXAMINATION: IEC 60512 Test 1a		—
6.6.3	Sufficient contact pressure through insulation		P
6.8 / 6.15	No visual damage, no cracks on insulations parts likely to impair safety		P

IEC 61984			
Clause	Requirement	Remark	Result
6.18.3	Internal insulation shows no damage likely to impair safety		P
	No damage occurred, which could impair normal use		P

D4	PROTECTION AGAINST CORROSION: IEC 60512 Test 11g		—
7.3.14 Test 1	Flowing mixed gas corrosion according to IEC 60512-11-7, test 11g Method 1 or alternatively Method 4 (Table 1 of IEC 60512-11-7)). Test duration is 4 days.		N/A
7.3.14 Test 2 alternative	Sulfur dioxide test with general condensation of moisture according to ISO 6988 . Test duration is 24h (1 test cycle)		P
	VISUAL EXAMINATION: IEC 60512 Test 1a		—
6.21	Function guaranteed		P

	No damage occurred, which could impair normal use		P
--	---	--	---

D5	FINAL MEASUREMENT (CONTACT RESISTANCE): IEC 60512 Test 2b		—
	Test current	1A	P
	$R2 \leq 1,5 R1$ or $R2 \leq 5 \text{ m}\Omega + R1$	See appended table D5	P
D6	DIELECTRIC STRENGTH: IEC 60512 Test 4a		—
	Mated specimen		P
	Impulse withstand voltage	4.8KV	P
	r.m.s. withstand voltage	2.21KV	P
6.13	No breakdown or flashover occurred	See appended table D6	P

	DEGREE OF PROTECTION TEST GROUP E (TABLE 14)		—
E1	PROTECTION AGAINST ELECTRIC SHOCK		—
	Unenclosed connectors (for use inside an enclosure):		—
	5.4 c1) COC classified as IP0X, no test required		—

IEC 61984			
Clause	Requirement	Remark	Result
6.4.2.2	5.4 c2) COC Hand back safety (IP1X or IPXXA) 50 mm sphere pressed with 20 N against mated specimen. No live parts accessible.		P
6.4.2.3	5.4 c3) COC Finger safety (IP2X or IPXXB) Jointed test finger pressed with 20 N against mated specimen. No live parts accessible.		P
6.4.2.3	5.4 d) CBC finger safety (IP2X or IPXXB) Jointed test finger pressed with 20 N against mated and unmated specimen. No live parts accessible.		N/A
	Enclosed connectors (COCs and CBCs)		—
6.4.1	Test at mated and unmated specimen. Jointed IEC test finger pressed with 20 N against the surface except the mating face of the male part of the connector. Creepages and clearances ensured between live parts and test finger.		P
	All parts necessary to ensure protection against electric shock only removable with a tool.		P
6.4.3	For a CBC, protection against electric shock is ensured also during insertion and withdrawal. This is proved by use of the jointed IEC test with a test force of 20 N. Creepages and clearances ensured between live parts and test finger.		N/A
E2	PROVISION FOR EARTHING		—
7.3.13	Resistance between accessible metal parts and the earthing contact $\leq 100 \text{ m}\Omega$	$\ll 100 \text{ m}\Omega$	P
6.5.3			
E3	DEGREE OF PROTECTION IP CODE: IEC 60529		—
7.3.6.3	Tests for IP Codes higher than IP2X or IPXXB		—



IEC 61984			
Clause	Requirement	Remark	Result
6.12 7.3.7.1	IP code according to IEC 60529 in mated condition or according manufacturers conditions		P
	Maximum and minimum cross-section wiring or cable diameter connected		P
7.3.7.2	Protection against ingress of foreign solid objects, tested according to IEC 60529		N/A
7.3.7.3	Protection against harmful ingress of water, tested according to IEC 60529		N/A

IEC61984C - ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict
ATTACHMENT TO TEST REPORT IEC 61984 EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES Connectors — Safety requirements and tests			
Differences according to.....: EN 61984:2009			
Attachment Form No.....: EU_GD_IEC61984C			
Attachment Originator.....: VDE Testing and Certification Institute			
Master Attachment.....: Dated 2017-06			
Copyright © 2017 IEC System for Conformity Testing and Certification of Electrical Equipment (IECEE), Geneva, Switzerland. All rights reserved.			

	CENELEC COMMON MODIFICATIONS (EN)	P
	No Common modifications	P

A8.1	TABLE: Covers mounted / contacts not connected				N/A
Nominal size (mm):	Ø [mm]		Tensile force [N]	Displacement [mm]	—
	Min.			≤	N/A
	Max.				
	Min.			≤	N/A
	Max.				
	Min.			≤	N/A
	Max.				
Supplementary information:					

A8.2	TABLE: Covers mounted				N/A
Nominal size (mm):	Ø [mm]		Torque [Nm]	Twist [°]	—
	Min.			≤ ±	N/A
	Max.				
	Min.			≤ ±	N/A
	Max.				
	Min.			≤ ±	N/A
	Max.				
Supplementary information:					

B1	TABLE: Initial measurements (Contact resistance)					P
Test current						
Test sample	Contact	1	2	3	PE	—
1	ΔU1 [mV]	0.96	0.89	-	-	P
	R1 [mΩ]	0.96	0.89	-	-	
	Contact	1	2	3	PE	—
	ΔU1 [mV]	0.73	0.72	-	-	P
	R1 [mΩ]	0.73	0.72	-	-	
	Contact	1	2	3	PE	—
	ΔU1 [mV]	0.76	0.86	-	-	P
	R1 [mΩ]	0.76	0.86	-	-	

Supplementary information:

B4.1		TABLE: Final measurements (Contact resistance)					P
Test current		1 A					—
Number of cycles		100					—
Condition		R2max ≤ 1,5R1 or R2max ≤ 5 mΩ + R1					—
Test sample	Contact	1	2	3	PE	—	
1	R2max [mΩ]	5.96	5.89	-	-	P	
	ΔU2 [mV]	1.5	1.32	-	-		
	R2 [mΩ]	1.5	1.32	-	-		
	Contact	1	2	3	PE	—	
2	R2max [mΩ]	5.73	5.72	-	-	P	
	ΔU2 [mV]	0.74	0.78	-	-		
	R2 [mΩ]	0.74	0.78	-	-		
	Contact	1	2	3	PE	—	
3	R2max [mΩ]	5.76	5.82	-	-	P	
	ΔU2 [mV]	0.86	0.85	-	-		
	R2 [mΩ]	0.86	0.85	-	-		

Supplementary information:-

B4.2		TABLE: Dielectric strength (mated specimen)			P
Test voltage applied between:	a) Impulse withstand voltage applied	b) r.m.s withstand voltage applied	Breakdown / flashover (Yes/No)		
Contact – Contact	4.8kv	2.21kv	No		
Contact - Surface	N/A	N/A	N/A		

Supplementary information:

C1	TABLE: Temperature rise test				P
	Ambient temperature (°C)..... :			25°C	—
	Thermocouple Locations	Test current (A)	Upper temperature limit (ULT) (°C)	Temperature measured (°C)	—
	Contact	32	105	Max.70.1	P
Supplementary information:					

D1	TABLE: Initial measurements (Contact resistance)					P
	Test current				1A	—
	Test sample	Contact	1	2	3	PE
	Contact	ΔU1 [mV]	0.82	0.79	-	-
		R1 [mΩ]	0.82	0.79	-	-
Supplementary information:						

D5	TABLE: Final measurements (Contact resistance)					P
	Test current				1A	—
	Condition				R2max ≤ 1,5R1 or R2max ≤ 5 mΩ + R1	—
	Test sample	Contact	1	2	3	PE
	Contact	R2max [mΩ]	5.82	5.79	-	-
		ΔU2 [mV]	0.93	0.88	-	-
		R2 [mΩ]	0.93	0.88	-	-
Supplementary information:						

D6	TABLE: Dielectric strength (mated specimen)			P
Test voltage applied between:	a) Impulse withstand voltage applied	b) r.m.s withstand voltage applied	Breakdown / flashover (Yes/No)	
Contact - Contact	4.8KV	2.21KV	No	
Contact - Surface	N/A	N/A	N/A	
Supplementary information:				

0.1	TABLE: Characteristic features	
Example	X	Please mark relevant line with "X"
Kind of equipment	X	Connector without breaking capacity (COC)
		Connector with breaking capacity (CBC)
Existence of an enclosure		Unenclosed connector
	X	Enclosed connector
Design of the connector	X	Fixed connector
		Free connector
Additional characteristics		Connector with protective earthing contact
		Connector without protective earthing contact
	X	Connector with cable clamp
		Connector without cable clamp
	X	Connectors (COC) with protection against electric shock for hand back safety, when mated
	X	Connectors (COC) with protection against electric shock for finger safety
		CBC with protection against electric shock for finger safety, both in mated and unmated condition
	X	Degree of protection of a connector
	X	Connector for class II equipment
		Connector with interlock
		Connector without interlock
		Non-rewirable connector

	X	Rewirable connector
Pollution degree		1
	X	2
		3
		4
Over voltage category		I
	X	II
		III
		IV

0.1	TABLE: Characteristic features	
Operating cycles		10
		50
	X	100
		500
		1000
		2000
		5000
		According manufacturer's
Bendings		10
		50
		100
		500
		1000

		2000
		5000
		20000
		According manufacturer's
Uppertemperature limit		70°C
		85°C
		100°C
	X	125°C
		According manufacturer's:
Lowertemperature limit		-10°C
		-25°C
		-40°C
	X	-55°C
		0°C
		According manufacturer's:

0.1	TABLE: Characteristic features	
Type of conductor	X	Solid
		Flexible
Termination and connection		Wrapped connection
		Crimped connection
		IDC Accessible
		IDC Non-accessible
		Press in connections
	X	Insulation piercing connections
		Solder termination
		Screwless-type clamping units
		Screw-type clamping units
		Flat, quick-connect terminations
	According manufacturer's:	
Values for cable clamp		[4-9 mm]
		[9-12 mm]
		[12-20 mm]
		[20-32 mm]
		[33-42 mm]
		[≥ 42 mm]
		According manufacturer's:
Ratedvoltage(s)	220-240V	
Ratedcurrent	6A	
Ratedimpulsevoltage(s)	7KV	
Ratedinsulation voltage(s)	4KV	

Number of poles	2- and 3-pole
Protection degree (IP-Code) ...	IP54
Mounting	Special design
Wire cross section area or cross section range	0,75-4,0 mm ² (rigid and rigid stranded) on the pin side 0,75 mm ² (rigid) on the contact tube side

0.2		TABLE: Clearance and creepage distance measurements			
Type /Shell-size/etc.	SST				
Rated voltage [V]	220-240V				
Pollution degree	II				
Isolation material group	2				
Impulse withstand voltage [kV] :	4 kV				
Test voltage [kV]	7 kV				
Clearances required	2,5				
Clearances measured	> 3,2				
Creepage distances required .. :	2,8				
Creepage distances measured :	> 4,8				

0.3.1		TABLE: IEC 60112 / Tracking test					
Specimen				Erosion depth [mm]			
Part	Material	Material thickness [mm]	Colour	PTI Test solution [A]	CTI	PTI Test solution [B]	Result
-	V-0	>0.4	All	600	600	-	P
Supplementary information:							

0.3.2		TABLE: IEC 60695-2-11 / Glow-wire-test [60 s]							
Specimen				Erosion depth [mm]					
Part	Material	Materialthickness [mm]	Colour	[°C]	Start [s]	End [s]	Height [mm]	Ignition of tissue paper	Result
	V-0	>0.4	All	960	1	60	<10	No	P
Supplementary information: * samples from production have been tested									

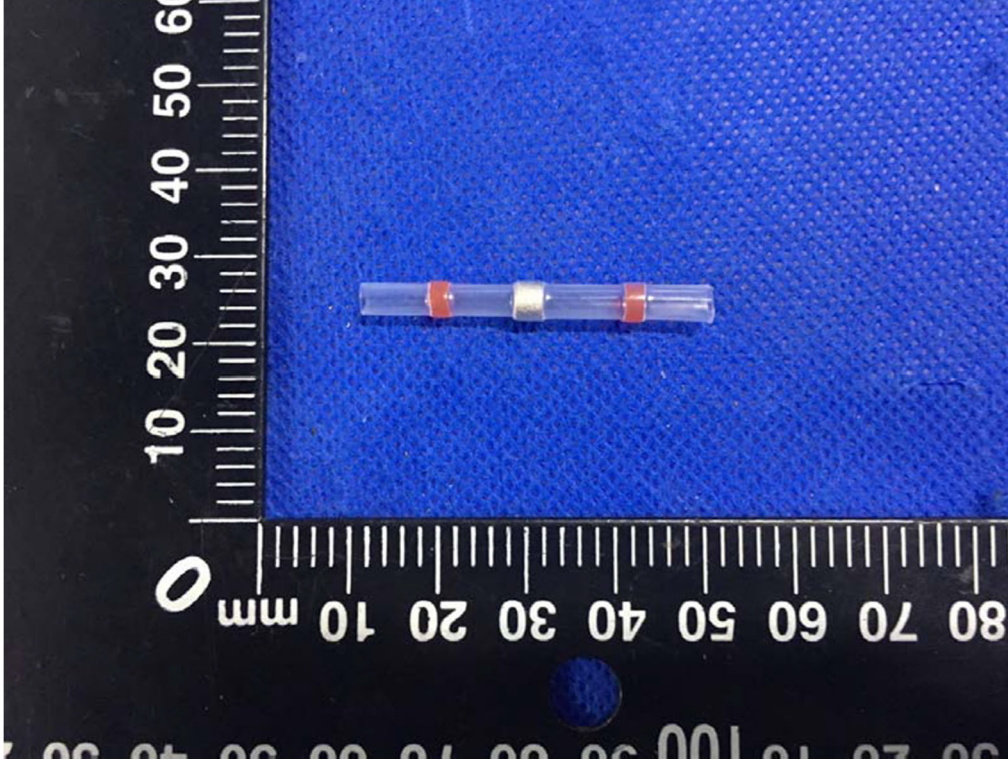
0.3.3		TABLE: IEC 89/336/CD / Ball-pressure test							
Specimen				Erosion depth [mm]					
Part	Material	Materialthickness [mm]	Colour	[°C]	Measured [mm]	Required [mm]	Result		
	V-0	>0.4	All	125	1.15	<2	P		
Supplementary information:									

0.3.4		TABLE: IEC 60695-2-2 / Needle-flame test							
Specimen				Erosion depth [mm]					
Part	Material	Materialthickness [mm]	Colour	Burning duration [s]	Start [s]	End [s]	Result		
	V-0	>0.4	All	10	-	-	P		
Supplementary information:									

ANNEX A:

Photo-documentation

EUT Photo 1



***** END OF REPORT *****