



ENGLISH

Datasheet

RS PRO POWER SUPPLY CORD

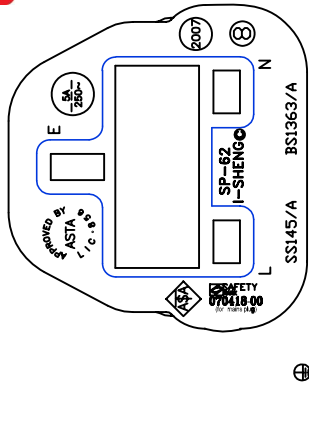
Stock No: 1230954



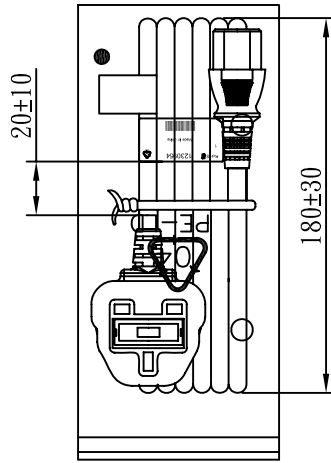
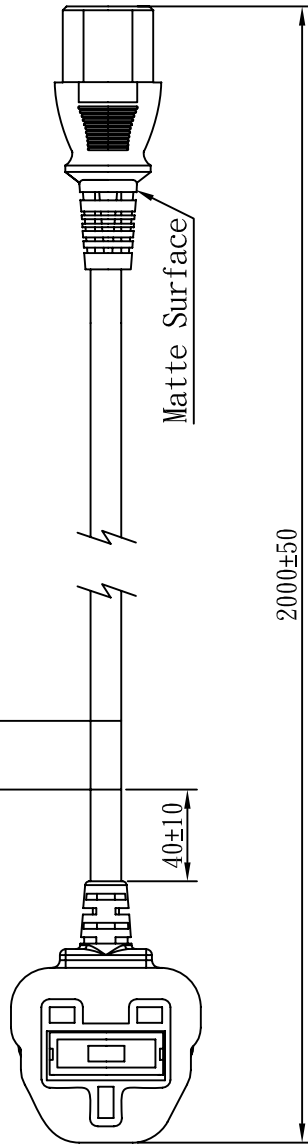
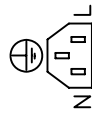
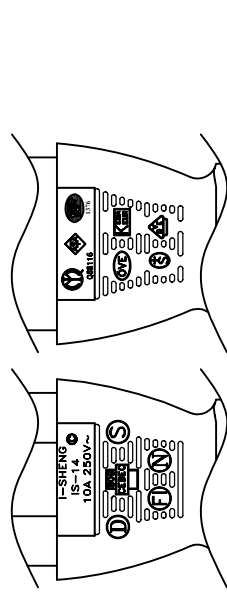
CONTENT

1. Finished Production Drawing
2. Plug Drawing
3. Connector Drawing
4. Product Specification
5. Characteristic
6. Safety Certification

MARKING:



MARKING:



WIRING COLOR:

- E: Yellow/Green
- N: Blue
- L: Brown

LENGED ON CORD: (L305-14A)

I-SHENG SGIS <VDE> Q090060 H05Z1Z1-F 3G 1.0mm² 300/500V

No	BOM ITEM	Q'TY	P/N
1	SP-62 NICKEL INSERT	1 pcs	5B3062012000
2	FUSE 5A	1 pcs	KFB0005A
3	SP-63 FIRE WIRE TERMINAL	1 pcs	BEN63L00
4	SP-62 HF FUSE COVER	1 pcs	5B20620122RA
5	SP-62 HF INNER BODY COVER	1 pcs	5B20620001RA
6	HF PLASTICS(SP-62)	40 g	51PTPE082012
7	KPR-14 TERMINAL	3 pcs	BBB14000
8	IS-14 INNER BODY	1 set	MI014000
9	HF PLASTICS(IS-14)	22 g	51PTPE082012
10	PE TIE (BLACK, 8 inch)	1 pcs	KBB10008
11	HF LABEL 5A	1 pcs	5HLCUK05A000
12	LSZH CABLE(H05Z1Z1-F 3G 1.0 CH-012 200CM)	1 pcs	2105C32170120200
13	HF PE BAG	1 pcs	
14	HF LABEL	1 pcs	

Note: The secondCode: Code EAN-128C
Read the content : 1230954

Client P/N

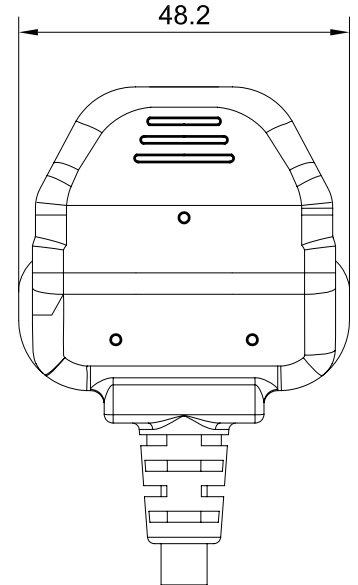
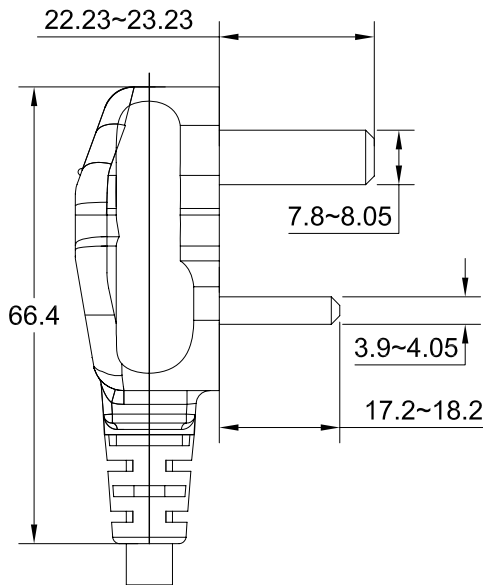
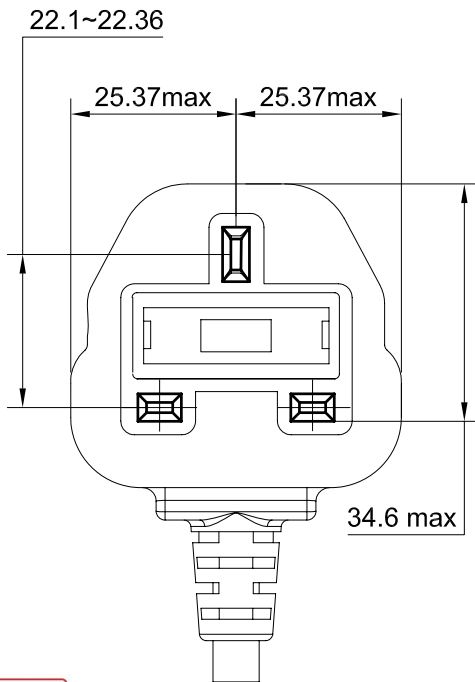
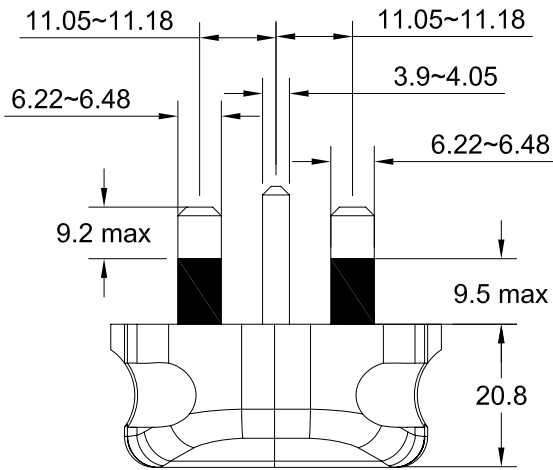


Not change

CABLE H05Z1Z1-F 3G 1.0 DENT PRINT CH-012 (BLACK)					
PLUG	SP-62 + IS-14 (5A)	LENGTH	2000	UNIT	mm
NAME	First connectivity	N/W		UNIT	kg
P/N	1230954	SG DWG	SR-162520-20	VER.	A
		Design. by	倪雪平	2016. 7. 22	
		Review. by	朱晓玲	2016. 7. 22	
		Approval. by	周德云	2016. 7. 22	
1	1	6214	012	0200	00 0

Sample Drawing

FORM:END-22

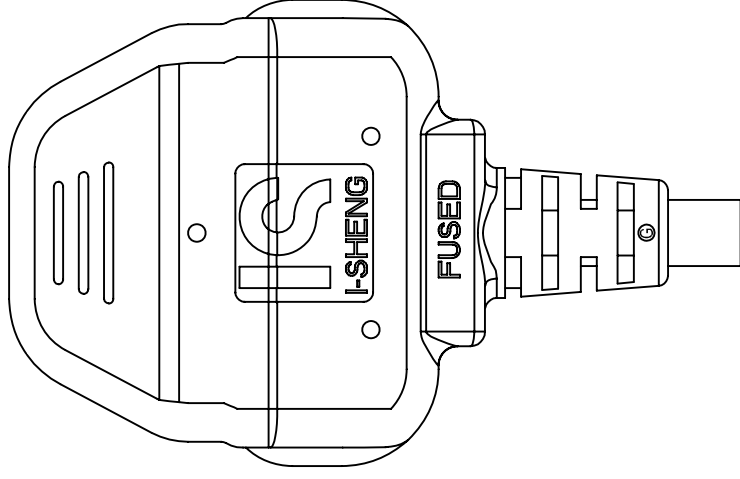
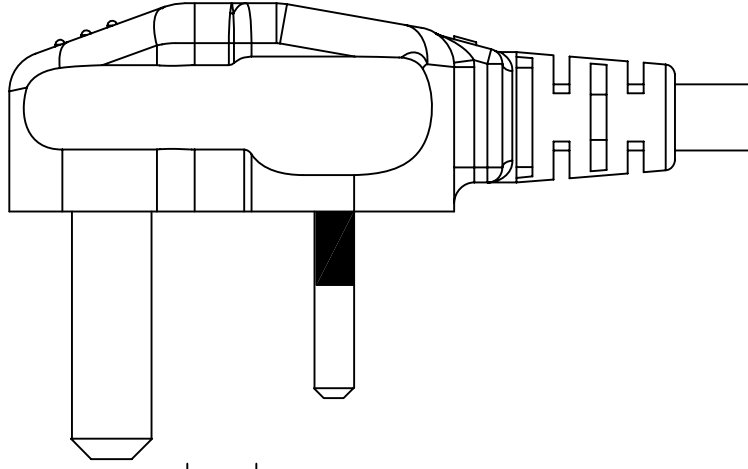
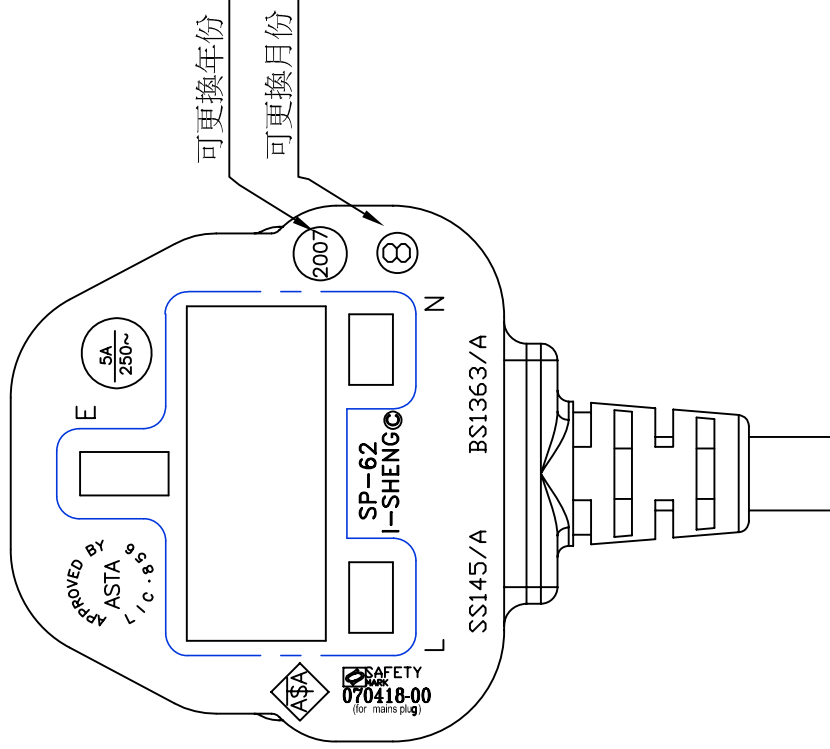


DWG. NAME	TYPE AND DIMENSIONS			TOLERANCE	
APPLY TO STANDARD	UK PSB APPROVAL POWER SUPPLY CORD				
ISSUE DATE	2000/01/07	REV.	C	≤ 1.0	±0.3
REVISE DATE	2009/07/20	UNIT	mm		
TYPE	SP-62	DWG. NO.	A62-1	≤ 10.0	±0.5
WIRE	H05VV-F(0.75~1.0/3),H03VV-F,(0.75/3),05VA5V-F(0.75~1.0/3)				
	DESIGN BY	Fanny Wang		≤ 20.0	±1.0
	REVIEW BY	Gerry Lai			
	APPROVE BY	Ryan Lai		> 20.0	±2.0

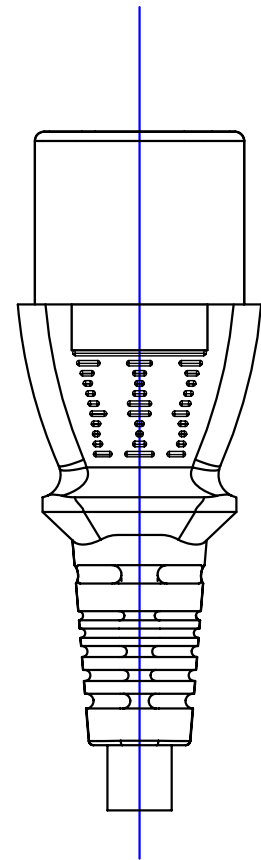
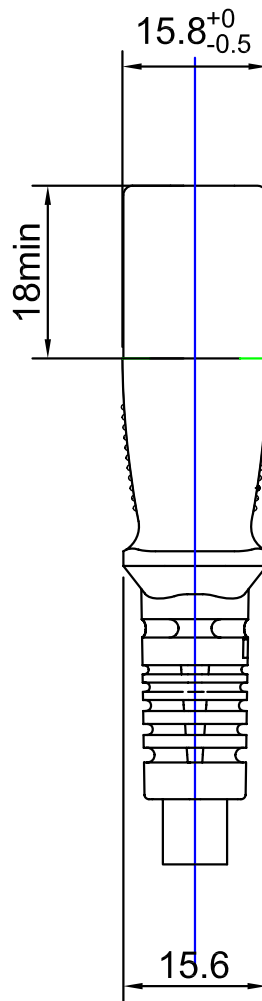
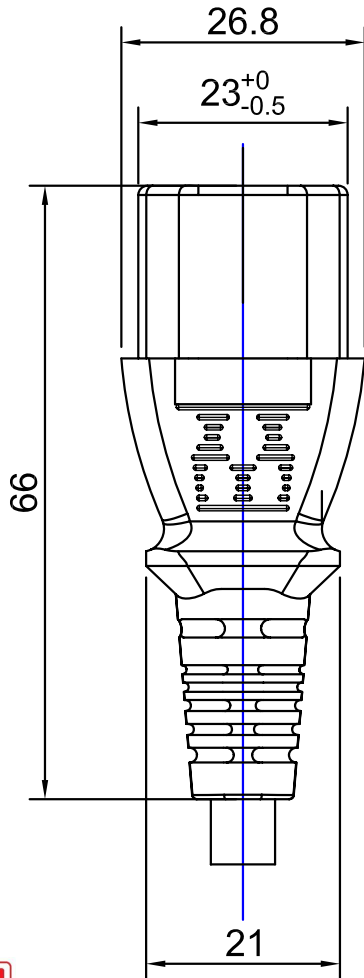
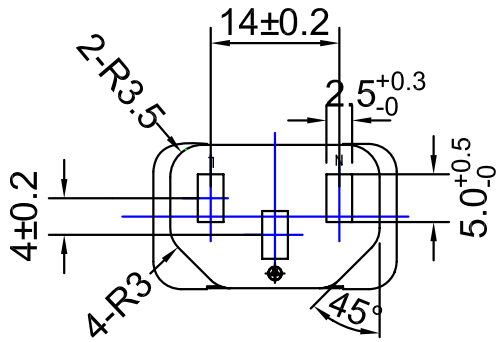
MARKING

ISSUE 2007.08.14	STD. NAME ASTA APPROVAL POWER SUPPLY CORD	FILE NO. A62-07-1
REVISED A	CAT NO. SP-62 成品標試示意圖	PAGE 1

 SAFETY MARK
070418-00
 (for mains plug)



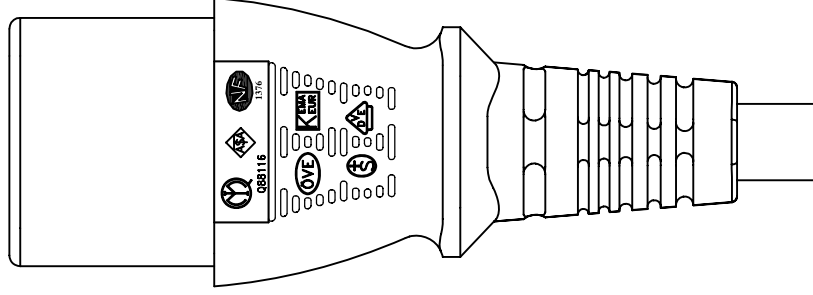
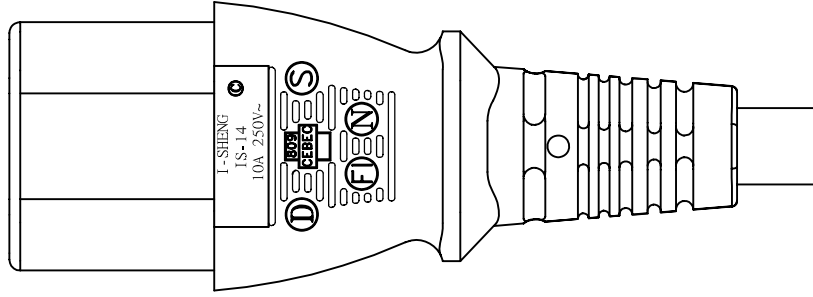
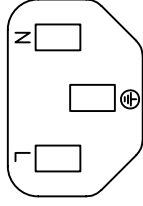
D. by	NI	C. by	BOBOAN	A. by	YUN
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DWG. NAME	TYPE AND DIMENSIONS			TOLERANCE	
APPLY TO STANDARD	EUROPE APPROVAL POWER SUPPLY CORD				
ISSUE DATE	2000/09/19	REV.	E	≤ 1.0	±0.3
REVISE DATE	2005/06/29	UNIT	mm	≤ 10.0	±0.5
TYPE	IS-14	DWG. NO.	L14-01	≤ 20.0	±1.0
WIRE	H05VV-F (0.75~1.0/3),H03VV-F (0.75/3)			> 20.0	±2.0
		DESIGN BY	FANNY WANG		
		REVIEW BY	GERRY LAI		
		APPROVE BY	RYAN LAI		

MARKING

ISSUE 2005.05.26	STD. NAME ASTA APPROVAL POWER SUPPLY CORD	FILE NO. L14-07-4
REVISED A	CAT NO. IS-14 成品標識示意圖	PAGE 1



D. by	NI	C. by	BOBOAN	A. by	YUN
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SPECIFICATION

Rev. 1.0

Issued	2012/10/16	Description	File No.	62142105C3217
Revised		SP-62+IS-14 H05Z1Z1-F 3G 1.0mm ²	Page	1/1

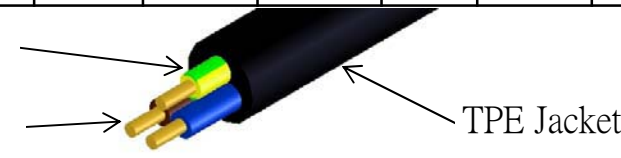
1. Scope :

This specification is applied to power supply cord conforming to:
BS 1363-1 IEC 60320-1 HD 21.14 S1

2. Construction and dimensions:

In accordance with the following tables and attached drawings.

Item	Cat. No.	Rating		Approved No.
		A	V	
Plug	SP-62	5	250	856
Connector	IS-14	10	250	443
FUSE		5		658

Flexible cord					H05Z1Z1-F 3G 1.0mm ²			
Approved No.					As attachment			
Rating					300/500V 70°C			
Conductor		Insulation			Jacket			Conductor Resistance
Nominal (mm ²)	Composition (pcs/mm)	Avg. Thickness (mm)	Min Thickness (mm)	Diameter (mm)	Avg. Thickness (mm)	Min Thickness (mm)	Diameter	
1.0	32/ ϕ 0.20+0,-0.015	0.6	0.44	ϕ 2.5±0.1	0.8	0.58	ϕ 7.0±0.2	Max 19.5 Ω /km at 20°C In case of dispute, Conductor resistance shall be the referee method.
								Insulation Color
								Blue
								Brown
								Yellow/Green

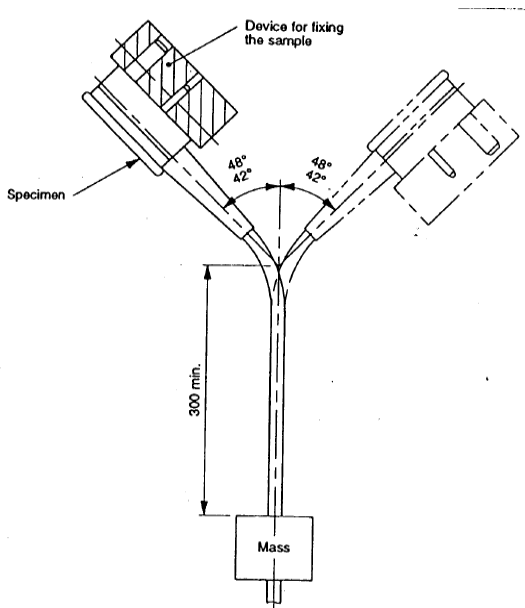
3. Cable marking on the sheath:

Shenzhen: I-SHENG SGIS ◁VDE▷ Q090060 H05Z1Z1-F 3G 1.0mm ² 300/500V
Kunshan: I-SHENG KSIS ◁VDE▷ Q090060 H05Z1Z1-F 3G 1.0mm ² 300/500V

發行 ISSUED 2000.03.05	標準名稱 STD.NAME	SPECIFICATION	檔案編號 FILE NO
修訂 REVISED 2011.01.03	題目 TITLE	THE CHARACTERISTIC OF POWER SUPPLY CORD FOR U.K.	SPEC-U.K.

Items 項目	Conditions 條件	Specification 規格
1 Insulation resistance 絕緣抵抗	The insulation resistance is measured using a d.c. voltage of 500 +250/-0V the measurement being made for 60 +5/0 s after application of the voltage. The insulation resistance is measured consecutively between: a) line and neutral terminals/ terminations; b) line and neutral terminals/ terminations connected together and: 1) a metal foil in contact with the entire accessible external surface; 2) the earthing terminal/ terminations;	Not less than 5MΩ
2 Electric strength 耐電壓	A 50Hz voltage of substantially sinusoidal waveform is applied as described in insulation resistance test. Initially, not more than 1000V is applied, the voltage then being raised to 2000V±60V for 60+5s; (leakage current:2mA) a) line and neutral terminals/ terminations; b) line and neutral terminals/ terminations connected together and: 1) a metal foil in contact with the entire accessible external surface; 2) the earthing terminal/ terminations	No flashover or breakdown shall occur during the test.
3 Resistance to humidity 耐濕性	To suit the ambient conditions at the time of test, a convenient temperature, T (in °C), between 20 °C and 30 °C, is chosen as a reference temperature. The sample is brought to a temperature of between T and $T + 4$ °C and is then placed in a humidity cabinet containing air with a relative humidity maintained between 85 % and 95 %. The temperature of the air where the samples are placed shall be maintained within ± 2 °C of the chosen value T . The sample is kept in the cabinet for 48+1/0h.	After this treatment, the specimen shall show no damage.
4 Polarity/Continuity 導通	Line and neutral shall be test at 24V;shall be instantaneous	Without breakdown
5 Resistance to heat 耐熱試驗	Plug sample are kept for 60+5/0 min in a heating cabinet maintained at 70°C; they shall not undergo any change impairing their further use and sealing compound shall not flow to such an extent that live parts are exposed.	After the test the plug shall still satisfy the electric strength test.

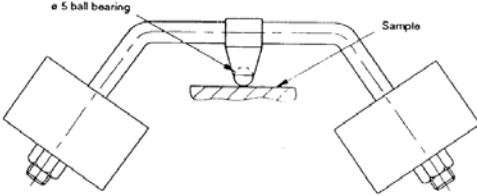
發行 ISSUED 2000.03.05	標準名稱 STD.NAME	SPECIFICATION	檔案編號 FILE NO
修訂 REVISED 2011.01.03	題目 TITLE	THE CHARACTERISTIC OF POWER SUPPLY CORD FOR U.K.	SPEC-U.K.

Items 項目	Conditions 條件	Specification 規格																		
6 Flexing test 屈曲強度	<p>The oscillating member is moved backwards and forwards through an angle of 45° on either side of the vertical, the number of flexings being 10,000 at a rate of 60 per minute. Specimens with circular section flexible cables are turned through 90° in the oscillating member after 5 000 flexings; specimens with flat flexible cables are only bent in a direction perpendicular to the plane containing the axes of the conductors.</p> <p>(A flexing is one movement through 90°, either backwards or forwards)</p>	After the test the sample shall show no damage except that breakage of no more than 10% of the total number of conductor strands in any core is ignored provided they have not pierced the insulation.																		
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Load Weight (g)</th> <th style="text-align: center;">Angle $\theta(^{\circ})$</th> <th style="text-align: center;">Optional direction (turns)</th> <th style="text-align: center;">Furthermo re 90° rotational direction (turns)</th> <th style="text-align: center;">Rate of flexing per min (turns)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">plug</td> <td>0.75mm²↓ 1020(10N) 1.0mm²↑ 2040(20N)</td> <td style="text-align: center;">45</td> <td style="text-align: center;">10000</td> <td style="text-align: center;">5000</td> <td style="text-align: center;">60</td> </tr> <tr> <td style="text-align: center;">connect or</td> <td>0.75mm²↓ 1020g(10N) 1.0mm²↑ 2040g(20N)</td> <td style="text-align: center;">45</td> <td style="text-align: center;">20000</td> <td style="text-align: center;">10000</td> <td style="text-align: center;">60</td> </tr> </tbody> </table>			Load Weight (g)	Angle $\theta(^{\circ})$	Optional direction (turns)	Furthermo re 90° rotational direction (turns)	Rate of flexing per min (turns)	plug	0.75mm ² ↓ 1020(10N) 1.0mm ² ↑ 2040(20N)	45	10000	5000	60	connect or	0.75mm ² ↓ 1020g(10N) 1.0mm ² ↑ 2040g(20N)	45	20000	10000	60
			Load Weight (g)	Angle $\theta(^{\circ})$	Optional direction (turns)	Furthermo re 90° rotational direction (turns)	Rate of flexing per min (turns)													
	plug		0.75mm ² ↓ 1020(10N) 1.0mm ² ↑ 2040(20N)	45	10000	5000	60													
connect or	0.75mm ² ↓ 1020g(10N) 1.0mm ² ↑ 2040g(20N)	45	20000	10000	60															
																				
7 Resistance to Aging 老化試驗	<p>The temperature in the cabinet is kept at 70°C±5°C. The specimens are kept in the cabinet for a minimum of 7 days. After the treatment the specimens are removed from the cabinet and kept at normal room temperature and relative humidity for at least 4h; With the forefinger wrapped in a dry piece of rough cloth is pressed on the specimens with a force of 4.9-5.0N</p>	After this test, the specimen shall show no damage.																		

發行 ISSUED 2000.03.05	標準名稱 STD.NAME	SPECIFICATION	檔案編號 FILE NO
修訂 REVISED 2011.01.03	題目 TITLE	THE CHARACTERISTIC OF POWER SUPPLY CORD FOR U.K.	SPEC-U.K.

Items 項目	Conditions 條件	Specification 規格						
8 Breaking capacity 啓斷容量	<p>The connector and appliance inlet are connected and disconnected 50 times (100 strokes) at a rate of 30 strokes per minute. The length of a stroke of the test apparatus is between 50mm and 60mm.</p> <p>The periods during which the test current is passed from the connection to the subsequent disconnection of the accessories are 1.5(+0.5,-0)s.</p> <p>The test voltage is 275V, the test current is 1.25 times rated current and the power factor is at least 0.95 for 10A and 16A connectors and 0.6±0.05 for other connectors</p>	The specimen shall show no damage impairing its further use and the entry holes for the pins shall not show any serious damage.						
9 Normal Operation 正常操作	<p>0,2 A connectors and the appliance inlet are connected and disconnected 2 000 times (4 000 strokes) without current flowing.</p> <p>Other connectors and the appliance inlet are connected and disconnected 1 000 times(2 000 strokes) at rated current and 3 000 times (6 000 strokes) without current flowing.</p>	No damage; The specimen can withstand the electric strength test with the voltage of 1500V.						
10 Temperature rise 溫昇	<p>Non-rewirable plugs were tested with 1,000mm of cord as supplied. The tests shall be carried out at rated voltage +10 %, - 20 %.</p> <p>The test duration 4h minimum 8h maximum.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Measurement point</td> <td>Temperature rise k</td> </tr> <tr> <td>Line Terminal</td> <td>52k</td> </tr> <tr> <td>Neutral Terminal</td> <td>52k</td> </tr> </table>	Measurement point	Temperature rise k	Line Terminal	52k	Neutral Terminal	52k	The temperature rising shall not exceed which is listed left.
Measurement point	Temperature rise k							
Line Terminal	52k							
Neutral Terminal	52k							
11 Bending strength of connector body 本體機械強度	<p>After the connector's point is fixed as shown in the figure below. Load of 10kg shall be applied vertically and slowly for 15 s.</p> <div style="text-align: center;"> <p>UNIT:mm</p> </div>	After the test, the connector shall show no damage.						

發行 ISSUED 2000.03.05	標準名稱 STD.NAME	SPECIFICATION	檔案編號 FILE NO
修訂 REVISED 2011.01.03	題目 TITLE	THE CHARACTERISTIC OF POWER SUPPLY CORD FOR U.K.	SPEC-U.K.

Items 項目	Conditions 條件	Specification 規格																	
12 Ball pressure test 球壓測試	<p>The test is made in a heating cabinet maintained at $75\pm 5^{\circ}\text{C}$; The surface of the part to be tested is placed in the horizontal position and the apparatus is placed on this surface such that a force of 20N is applied; After 60+1min, the ball is removed then the sample is cooled down by immersion for at least 10s in water at approximately room temperature.</p> 	The diameter of the impression caused by the ball is measured and shall not exceed 2 mm.																	
13 Withdrawal force 引拔力	<p>Verification of the maximum withdrawal force The connector is inserted to the full depth into and withdrawn from the appropriate appliance inlet 10 times. It is then again inserted for a principal mass is such that it exerts a force equal to one-tenth of the maximum withdrawal force specified in the table and it shall be made in one piece and a supplementary.</p> <p>Verification of the minimum withdrawal force The test pin gauge is applied to each individual connector contact with the contact axes vertical and the gauge hanging vertically downwards. The total mass of the gauge shall be such as to exert the applicable force as show in table.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th rowspan="3">Type of connector</th> <th colspan="3">Withdrawal force N (kg)</th> </tr> <tr> <th colspan="2">Multi-pin gauge</th> <th rowspan="2">Single-pin gauge minimum</th> </tr> <tr> <th>Max</th> <th>Min</th> </tr> </thead> <tbody> <tr> <td>0.2A 2.5A 6A 10A</td> <td>50 (5.1)</td> <td>10 (1.0)</td> <td>1.5 (0.15)</td> </tr> <tr> <td>16A</td> <td>60 (6.1)</td> <td>15 (1.5)</td> <td>2 (0.2)</td> </tr> </tbody> </table>	Type of connector	Withdrawal force N (kg)			Multi-pin gauge		Single-pin gauge minimum	Max	Min	0.2A 2.5A 6A 10A	50 (5.1)	10 (1.0)	1.5 (0.15)	16A	60 (6.1)	15 (1.5)	2 (0.2)	<p>After Verification of the maximum withdrawal force test. The principal mass is hung on the connector without jolting and the supplementary mass is allowed to fall from a height of 5 cm on to the principal mass. The connector shall not remain in the appliance inlet.</p> <p>After Verification of the minimum withdrawal force test. The test pin gauge is applied gently, and care is taken not to knock the assembly when checking the minimum withdrawal force. The gauge shall not fall from the contact assembly within 3 sec.</p>
Type of connector	Withdrawal force N (kg)																		
	Multi-pin gauge		Single-pin gauge minimum																
	Max	Min																	
0.2A 2.5A 6A 10A	50 (5.1)	10 (1.0)	1.5 (0.15)																
16A	60 (6.1)	15 (1.5)	2 (0.2)																



ASTA Licence



Intertek

The **ASTA Diamond Mark** is a symbol of electrical safety. It provides evidence for customers and authorities that Intertek has independently tested and certified the product's compliance to applicable safety standards, also that Intertek monitors production and testing to ensure subsequent production continues to comply with stated standards.

This Licence is valid until the review date or earlier if preceded by the withdrawal of the Approval Standard or otherwise withdrawn by the Certification Body. Current validity status can be confirmed by contacting:
Intertek
Hilton House,
Corporation Street,
Rugby, CV21 2DN
United Kingdom
Tel: +44 (0)1788 578435
asta@intertek.com

Details of Approved variants, components and sites are given on Endorsements to this Licence (3 pages)

This Licence authorises use of the

ASTA Diamond Mark

Licence No. 856

Product:	Fused Plug
Designation:	SP-62
Colour(s):	All Colours
250 Volts a.c. 50 Hz	13 Amperes
Non-rewirable	Rough Use (BS 1363/A)
Solid brass pins	Moulded-on construction
Approval Standard:	BS 1363-1: 1995 + A4: 2012
	Incorporating Corrigendum No. 1
	Singapore Standard SS145: Part 1: 2010

Issue number:	20
Review date:	31st October 2018
Factory Reference:	LQ-497, LQ-504 & ISHEVT.A1

R W Hayward

Name

Signature

18th October 2013

Date



010

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Types of ASTA Certificates

Certificates are issued when samples of a particular product design have been tested satisfactorily against the requirements of a National, European, International or ASTA Standard. Several forms of Certificate are available, including:

Certificate of Complete Compliance

Verifies compliance with all the requirements of a Standard

Certificate of Type/Verification Tests

Verifies complete series of type/verification tests prescribed in a Standard has been made successfully.

Certificate of Selected Type/Verification Tests

Verifies specified type/verification tests have been made successfully

Supplementary Certificate

Extends the scope of an existing Certificate to cover changes in rating or in design

ASTA Test Report

An ASTA Test Report is issued when tests otherwise satisfactory cannot be included in a Certificate for one or more reasons, e.g. verification of non-standard ratings

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Authenticity

Authenticity of any ASTA document can be confirmed by contacting Intertek's Rugby office, telephone +44 1788 578435 or asta@intertek.com



ASTA Licence No. 856, Endorsement 1 of 3

Product: Fused Plug

Designation: SP-62

Approved sites for manufacture/production:

Conditions for maintenance of Licence:

- 1) Compliance with Certification Regulations.
- 2) Inspection of manufacturing facilities each year with satisfactory outcome.
- 3) Surveillance testing of production samples at required intervals with satisfactory outcome.
- 4) Satisfactory actions in the event of any compliance and/or safety issues becoming known after product has been supplied.
- 5) Prompt payment of invoices.

Licence Renewal:

Licence fee will be invoiced annually during the month of September.

The Licence document will be reissued following any changes advised or variants tested. A fee may be charged for reissue.

Surveillance samples:

Samples are required to be tested in accordance with Intertek surveillance testing programmes.

Samples should preferably be selected during scheduled Factory inspection visits.

The fee for testing will be invoiced at the time of testing. A summary of testing will be provided.

Use of the ASTA Mark:

The ASTA Mark may be used on the product and in marketing material relating to the product, as permitted by the Certification Regulations.

The Licence number should be marked on the product (mandatory on BS 1363 plugs, where feasible on other products) in a form agreed by Intertek, such as "Approved by ASTA Licence no. 856".

Marketing of product with alternative designation(s) or brand name(s):

This Licence relates only to products specifically described herein. Any alternative designations and/or brand names should be advised to Intertek. The Licence will then be reissued accordingly. Alternative brand names (if applicable) are shown on an Annex to this Licence.

Endorsement to ASTA Licence 856 issue number: 20 dated 18th October 2013

Contact: asta@intertek.com

Website: www.intertek.com

Compliance Testing:

Reason for test	ASTA Certificate
Complete compliance	16850
Modification – alternative colours	S17177
Modification – alternative material (Halogen free) + upgrade to Amendment No. 3 of BS 1363	S17270
Modification – alternative insert + 13A rating	S17568
Modification – alternative cords	S17800
Modification – alternative site (Vietnam)	(65280)
Modification – alternative cap for insert	S18114
Modification – alternative colours of fuse carrier	S18423
Modification – alternative colours yellow, green & transparent	S18824
Modification – alternative cords	S18838
Modification – 10A rating with 3 x 0.75mm ² H05VV-F cord	S19002
Modification – upgrade to BS 1363-1 Amd. 4 plus alternative cord	S19316

Approved components and cords:
Flexible cords:

Maximum Rating Amperes	Cores		Code	Cable Manufacturer	ASTA Certificate	Remarks
	No	CSA mm ²				
13	3	1.50	H05VV-F		17568	
10	3	1.00	05VA5V-F		S18838	
6	3	0.75	05VA5V-F		S18838	
10	3	1.00	H05VV-F		16850	S18114
10	3	0.75	H05VV-F		16850	
10	3	0.75	H05VV-F		S19019	
10	3	1.00	H05Z1Z1-F		S17270	
10	3	0.75	H05Z1Z1-F		S17270	
6	2	0.75	H05Z1Z1-F		S17800	
6	2	0.75	H03Z1Z1-F		S17800	
6	3	0.75	H03Z1Z1-F		S17800	
6	2	0.75	H05VV-F			(3456R3)
6	3	0.75	(H)05VV-F		S18838	
6	3	0.75	H03VV-F		16850	
10	2	1.00	H05VVH2-F		S19316	
6	2	0.75	H05VVH2-F		16850	
6	2	0.75	H03VVH2-F			(3456R3)
3	2	0.50	H03VVH2-F		S17800	
6	2	0.75	H05Z1Z1H2-F		S17270	
6	2	0.75	H03Z1Z1H2-F		S17270	



ASTA Licence No. 856, Endorsement 3 of 3

Product: Fused Plug

Designation: SP-62

Plug insert:

INSERT	Manufacturer
MB062012	
M88051BL-1B	GEM
M88053BL-1B	GEM
SP-62 Cap (MI062000)	

Overmould material:

Material	Supplier
IS-TPE01 (Halogen free)	
UL E204374 HB, V-0 / 8080	Men Wai Plastic (Shenzhen) Co., Ltd
UL E226994 HB, V-0 / TT-01	Dongguan Tai Tung Electric Wire Co., Ltd (all colours – S18824)
UL e251316 V-0 / IS=PVC02	

SINGAPORE CONSUMER PROTECTION (SAFETY REQUIREMENTS)
REGISTRATION SCHEME

THE SINGAPORE CONSUMER PROTECTION
(SAFETY REQUIREMENTS) REGISTRATION SCHEME



SAFETY AUTHORITY

Certificate of Conformity (COC)

To: SPN (RS Code)
Mr Martin Hsiao
SUPERNOVA ELECTRONIC (S) PTE LTD
8 Kaki Bukit Road 2 #04-13/14 Ruby Warehouse Complex
SINGAPORE 417841

Date of Renewal : 15/07/2016
Date of Expiry : 23/07/2019
Certificate Number : 070418-00

Dear Sir / Madam

We certify that the following Controlled Goods complied with the Mandatory Requirements of the Singapore Consumer Protection (Safety Requirements) Registration Scheme and entered into the Register of Registered Controlled Goods, pursuant to the Consumer Protection (Safety Requirements) Regulations:

Description of Controlled Goods : 13A non-rewirable 3-pin mains plug
Trade Name :
Model Number : SP-62
Country where Controlled Goods are likely to be manufactured : CHINA
Test Report Number : 55S071133/MLM/PKS
Testing Laboratory : TÜV SÜD PSB Pte Ltd
Tested according to : SS 145: Part 1: 1997

DANIEL NG
for SAFETY AUTHORITY

Important Notice:

No controlled goods can be supplied in Singapore unless they are registered with the Safety Authority. Please access www.spring.gov.sg/safety for registration procedure.



ASTA Licence



Intertek

The ASTA Diamond Mark is a symbol of electrical safety. It provides evidence for customers and authorities that Intertek has independently tested and certified the product's compliance to applicable safety standards, also that Intertek monitors production and testing to ensure subsequent production continues to comply with stated standards.

This Licence is valid until the review date or earlier if preceded by the withdrawal of the Approval Standard or otherwise withdrawn by the Certification Body. Current validity status can be confirmed by contacting:
Intertek
Hilton House,
Corporation Street,
Rugby, CV21 2DN
United Kingdom
Tel: +44 (0)1788 578435
asta@intertek.com

Details of Approved variants, components and sites are given on Endorsements to this Licence (2 pages)

This Licence authorises use of the

ASTA Diamond Mark

Licence No. 658

Organisation:

Dongguan Cooper Electronics Co., Limited

Xin Min Road, Xia Min Industrial Estate, Changan, Dongguan,
Guangdong Province, China, 523879

Product:

General Purpose Fuse Links for Domestic & Similar Purposes

Designation:

TDC 180

240 Volts a.c. 50 Hz

2, 3, 5, 7, 10 & 13 Amperes

Lead Free

Breaking capacity 6kA rms

Rated power loss less than 1 watt

Approval Standard:

BS 1362: 1973 plus Amendments 1 & 2

Issue number:

3

Review date:

31st October 2016

Factory Reference:

COELCN.01

R W Hayward

Name

Signature

16th October 2012

Date



010

ASTA Certificates, ASTA Licences and ASTA Test Reports

ASTA Certificates, ASTA Licences and ASTA Test Reports are issued by Intertek for the exclusive use of the party applying for the Certificate, Licence or Test Report and any related testing. Intertek assumes no liability to any parties other than those with which it has an agreement and then only in accordance with the agreed Terms and Conditions.

The Applicant is authorised to copy or distribute ASTA Certificates, ASTA Licences and ASTA Test Reports provided the entire contents are included, or Certificate Front Sheets accompanied by any associated pages on which are stated the assigned rated characteristics and no part is obscured or illegible, or Licence front sheets. Permission must be obtained from Intertek before any other kind of reproduction is made.

The holder of an ASTA Certificate may claim in Trade Journals, Catalogues, Technical Articles etc., and without the prior approval of Intertek that the product identified in an ASTA Certificate is ASTA Certified.

The holder of an ASTA Licence may claim in Trade Journals, Catalogues, Technical Articles etc., and without the prior approval of Intertek that the product identified in an ASTA Licence is ASTA Approved.

To minimise the possibility of any misunderstanding such claims must clearly identify the product(s) certified or approved, the ratings verified by ASTA and the Standard against which certification/approval has been made.

Any other use of the Intertek or ASTA names must first be approved in writing by Intertek. Test results and ratings proven by testing included in ASTA Certificates and ASTA Test Reports relate specifically to the sample(s) tested.

Types of ASTA Certificates

Certificates are issued when samples of a particular product design have been tested satisfactorily against the requirements of a National, European, International or ASTA Standard. Several forms of Certificate are available, including:

Certificate of Complete Compliance

Verifies compliance with all the requirements of a Standard

Certificate of Type/Verification Tests

Verifies complete series of type/verification tests prescribed in a Standard has been made successfully.

Certificate of Selected Type/Verification Tests

Verifies specified type/verification tests have been made successfully

Supplementary Certificate

Extends the scope of an existing Certificate to cover changes in rating or in design

ASTA Test Report

An ASTA Test Report is issued when tests otherwise satisfactory cannot be included in a Certificate for one or more reasons, e.g. verification of non-standard ratings

ASTA Licences and ASTA Diamond Mark

The use of the ASTA Diamond Mark on products is authorised by an ASTA Licence. Products covered by an ASTA Licence can be referred to as ASTA Approved. Requirements for ASTA Licences include testing for full compliance with relevant standards and satisfactory, on-going assessment of production. Validity and use of ASTA Licences are subject to compliance with Intertek ASTA & BEAB Marks Certification Regulations.

Authenticity

Authenticity of any ASTA document can be confirmed by contacting Intertek's Rugby office, telephone +44 1788 578435 or asta@intertek.com

Approved sites for manufacture/production:

Assembly & Components – Dongguan Cooper Electronics Co., Limited
Xin Min Road
Xin Min Industrial Estate
Changan
Dongguan
Guangdong Province
China, 523879

Conditions for maintenance of Licence:

- 1) Compliance with Certification Regulations.
- 2) Inspection of manufacturing facilities each year with satisfactory outcome.
- 3) Surveillance testing of production samples at required intervals with satisfactory outcome.
- 4) Satisfactory actions in the event of any compliance and/or safety issues becoming known after product has been supplied.
- 5) Prompt payment of invoices.

Licence Renewal:

Licence fee will be invoiced annually during the month of September.

The Licence document will be reissued following any changes advised or variants tested.

A fee may be charged for reissue.

Surveillance samples:

Samples are required to be tested in accordance with Intertek surveillance testing programmes.

Samples should preferably be selected during scheduled Factory inspection visits.

The fee for testing will be invoiced at the time of testing. A summary of testing will be provided.

Use of the ASTA Mark:

The ASTA Mark may be used on the product and in marketing material relating to the product, as permitted by the Certification Regulations.

The Licence number should be marked on the product (mandatory on BS 1363 plugs, where feasible on other products) in a form agreed by Intertek, such as "Approved by ASTA Licence no. 658".

Marketing of product with alternative designation(s) or brand name(s):

This Licence relates only to products specifically described herein. Any alternative designations and/or brand names should be advised to Intertek. The Licence will then be reissued accordingly. Alternative brand names (if applicable) are shown on an Annex to this Licence.

Compliance Testing:

Reason for test	ASTA certificate
Complete compliance 13A	14849
Complete compliance 3A, 5A, 7A and 10A	14889
Complete compliance 2A	14890
Supplementary test to approve Ceramtec barrels, 13A	S14854
Supplementary test to approve blobless (lead-free) element, 3A	S14822
Supplementary test to approve Ceramtec barrels, 3A, 5A, 7A and 10A	S14892
Supplementary test to approve Ceramtec barrels, 2A	S14893
Supplementary test to approve thinner endcaps and longer barrels	S15264
Supplementary test to approve blobless (lead-free) element, 5A	S15020
Supplement to S14822 to correct reference to certificate 14889	15611
Complete compliance 13A (lead-free)	15876
Complete compliance 10A (lead-free)	15877
Complete compliance 7A (lead-free)	15878
Complete compliance 2A (lead-free)	15905
Supplementary tests to approve alternative barrel material	15953
Supplementary tests to approve alternative eyelets and endcaps	16378
Supplementary tests to approve alternative barrel material	16439
Complete compliance 2A, 3A and 5A	16761
Supplementary tests to approve alternative eyelets and endcaps	16762
Complete compliance 5A (alt. barrel)	18465

ZEICHENGENEHMIGUNG MARKS APPROVAL

ist berechtigt, für ihr Produkt /
is authorized to use for their product

Gerätesteckdose, nicht-wiederanschließbar
Connector, non-rewirable

die hier abgebildeten markenrechtlich geschützten Zeichen
für die ab Blatt 2 aufgeführten Typen zu benutzen /
the legally protected Marks as shown below for the types referred to on page 2 ff.



Geprüft und zertifiziert nach /
Tested and certified according to

DIN EN 60320-1 (VDE 0625-1):2008-05; EN 60320-1:2001 + A1:2007
IEC 60320-1(ed.2);am1



VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Zertifizierungsstelle / *Certification*

Aktenzeichen: 1276300-1550-0002 / 177621

File ref.:

Ausweis-Nr. 40037879

Certificate No.

*Weitere Bedingungen siehe Rückseite und Folgeblätter /
further conditions see overleaf and following pages*

Blatt 1

Page

Offenbach, 2013-07-04

VDE Zertifikate sind nur gültig bei Veröffentlichung unter:
VDE certificates are valid only when published on:

<http://www.vde.com/zertifikat>
<http://www.vde.com/certificate>

Name und Sitz des Genehmigungs-Inhabers / Name and registered seat of the Certificate holder

Aktenzeichen / File ref.
1276300-1550-0002 / 177621 / CC1 / E

Datum / Date
2013-07-04

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40037879.
This supplement is only valid in conjunction with page 1 of the Certificate No. 40037879.

Gerätesteckdose, nicht-wiederanschließbar **Connector, non-rewirable**

Typ(en) / Type(s)

IS-14

Bemessungsspannung <i>Rated voltage</i>	AC 250 V
Bemessungsstrom <i>Rated current</i>	10 A
Polzahl <i>Number of poles</i>	2-polig mit Schutzkontakt <i>2-pole with earthing contact</i>
Bauart <i>Kind of construction</i>	Normblatt C13 <i>standard sheet C13</i>
Kennzeichnung der Fertigungsstätte(n) <i>Marking of manufacturing place(s)</i>	30005950: ohne Kennzeichnung / without marking 30006550: "C" 30006554: "K" 30019097: "V"
Produktinformation <i>Product information</i>	siehe Anlage Nr. 300 + 301 +302+ 303 + 900 <i>see Appendix No. 300 + 301 +302+ 303 + 900</i>

Dieser Zeichengenehmigungs-Ausweis bildet eine Grundlage für die EG-Konformitätserklärung und CE-Kennzeichnung durch den Hersteller oder dessen Bevollmächtigten und bescheinigt die Konformität mit den grundlegenden Schutzanforderungen der **EG-Niederspannungsrichtlinie 2006/95/EG** mit ihren Änderungen.
*This Marks Approval is a basis for the EC Declaration of Conformity and the CE Marking by the manufacturer or his agent and proves the conformity with the essential safety requirements of the **EC Low-Voltage Directive 2006/95/EC** including amendments.*

VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Fachgebiet CC1
Section CC1

Name und Sitz des Genehmigungs-Inhabers / Name and registered seat of the Certificate holder

Aktenzeichen / File ref.
1276300-1550-0002 / 177621 / CC1 / E

Datum / Date
2013-07-04

Dieses Beiblatt ist Bestandteil des Zeichengenehmigungsausweises Nr. 40037879.
This supplement is part of the Certificate No. 40037879.

Gerätesteckdose, nicht-wiederanschließbar *Connector, non-rewirable*

Fertigungsstätte(n) *Place(s) of manufacture*

Referenz/Reference
30005950 I-Sheng Electric Wire & Cable
Co., Ltd.
No. 52 Tin Hwu Road, Ta Hua Village
33334 GWAI SAN, TAOYUAN HSIEN
TAIWAN

Referenz/Reference
30006550 I-Sheng Mfg (Song Gang) Factory
Tang Xiayong Road
Songgang Town
518105 BAOAN AREA, SHENZHEN
Guangdong
CHINA

Referenz/Reference
30006554 I-Sheng Electronics
(Kunshan) Co., Ltd.
888 Tai Shan Road
Kunshan Development Zone
215300 KUNSHAN CITY
Jiangsu
CHINA

Referenz/Reference
30019097 I-Sheng Electric Wire & Cable
Company (Vietnam)
Lot D4-2 Que Vo Road
Que Vo Industrial Park
BAC NINH PROVINCE
VIETNAM

VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Fachgebiet CC1
Section CC1

Name und Sitz des Genehmigungs-Inhabers / Name and registered seat of the Certificate holder

Aktenzeichen / File ref.
1276300-1550-0002 / 177621 / CC1 / E

Datum / Date
2013-07-04

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40037879.
This supplement is only valid in conjunction with page 1 of the Certificate No. 40037879.

Genehmigung zum Benutzen des auf Seite 1 abgebildeten markenrechtlich geschützten Zeichens des VDE:

Grundlage für die Benutzung sind die Allgemeinen Geschäftsbedingungen (AGB) der VDE Prüf- und Zertifizierungsinstitut GmbH (www.vde.com\AGB-Institut). Das Recht zur Benutzung erstreckt sich nur auf die bezeichnete Firma mit den genannten Fertigungsstätten und die oben aufgeführten Produkte mit den zugeordneten Bezeichnungen. Die Fertigungsstätte muss so eingerichtet sein, dass eine gleichmäßige Herstellung der geprüften und zertifizierten Ausführung gewährleistet ist.

Die Genehmigung ist so lange gültig wie die VDE-Bestimmungen gelten, die der Zertifizierung zugrunde gelegen haben, sofern sie nicht auf Grund anderer Bedingungen aus der VDE Prüf- und Zertifizierungsordnung (PM102) zurückgezogen werden muss.

Der Gültigkeitszeitraum einer VDE-GS-Zeichengenehmigung kann auf Antrag verlängert werden. Bei gesetzlichen und / oder normativen Änderungen kann die VDE-GS-Zeichengenehmigung ihre Gültigkeit zu einem früheren als dem angegebenen Datum verlieren.

Produkte, die das Biozid Dimethylfumarat (DMF) enthalten, dürfen gemäß der Kommissionsentscheidung 2009/251/EG nicht mehr in den Verkehr gebracht oder auf dem Markt bereitgestellt werden.

Der VDE-Zeichengenehmigungsausweis wird ausschließlich auf der ersten Seite unterzeichnet.

Approval to use the legally protected Mark of the VDE as shown on the first page:

Basis for the use are the general terms and conditions of the VDE Testing and Certification Institute (www.vde.com\terms-institute). The right to use the mark is granted only to the mentioned company with the named places of manufacture and the listed products with the related type references. The place of manufacture shall be equipped in a way that a constant manufacturing of the certified construction is assured.

The approval is valid as long as the VDE specifications are in force, on which the certification is based on, unless it is withdrawn according to the VDE Testing and Certification Procedure (PM102E).

The validity period of a VDE-GS-Mark Approval may be prolonged on request. In case of changes in legal and / or normative requirements, the validity period of a VDE-GS-Mark Approval may be shortened.

Products containing the biocide dimethylfumarate (DMF) may not be marketed or made available on the EC market according to the Commission Decision 2009/251/EC.

The approval is solely signed on the first page.

VDE Prüf- und Zertifizierungsinstitut

Aktenzeichen: **1276300-1550-0002/177621** Ausweis-Nr.: **40037879** Anlage Nr.: **303** Seite: **1 / 1** Datum: **2013-07-05**
 File reference: **1276300-1550-0002/177621** Certificate No.: **40037879** Appendix No.: **303** Page: **1 / 1** Date: **2013-07-05**

Diese Anlage ist Bestandteil des Genehmigungsausweises. This appendix is part of the certificate.

Gerätesteckdose, nicht-wiederanschließbar Connector, non-rewirable	2-polig mit Schutzkontakt 2-pole with earthing contact
zentrale Leitungseinführung straight cable entry	

Fertigungsstätte / Place of manufacture: **30019097** : Kennzeichnung / Identification : **V**

Position im VDE-Ausweis	Position in VDE-licence	X	X	X	X	X	X	X	X	X										
Typ(en) Type(s)	Leitungsaufruck Marking on cable	H05VV-F 3G 0,75 mm ² (max. 2 m)	H05VV-F 3G 1,0 mm ²	H05VV-F 3G 1,5 mm ²	H05R-F 3G 0,75 mm ² (max. 2 m)	H05R-F 3G 1,0 mm ²	H05R-F 3G 1,5 mm ²	H05RN-F 3G 0,75 mm ² (max. 2 m)	H05RN-F 3G 1,0 mm ²	H03RT-H 3G 0,75 mm ² (max. 2 m)	H03RT-H 3G 1,0 mm ²	H05V2V2-F 3G 0,75 mm ² (max. 2 m)	H05V2V2-F 3G 1,0 mm ²	---	---	---	---	---	---	---
		X Δ genehmigte Ausführung / approved version										--- Δ nicht genehmigt / not approved								

		Glühdrahtfestigkeit (°C) Glow wire resistance (°C)
Werkstoff der Trägerteile: Material of the base:	1. NYLON 66; Typ(e) 1300S; ASAHI Chemical Ind. Co., Ltd. weiß / white	750°C
Werkstoff der Umspritzung: Material of the moulding:	PVC alle Farben / all colours	650°C

VDE Prüf- und Zertifizierungsinstitut

Aktenzeichen: **1276300-1550-0002/177621** Ausweis-Nr.: **40037879** Anlage Nr.: **302** Seite: **1 / 2** Datum: **2013-07-05**
 File reference: **1276300-1550-0002/177621** Certificate No.: **40037879** Appendix No.: **302** Page: **1 / 2** Date: **2013-07-05**

Diese Anlage ist Bestandteil des Genehmigungsausweises. This appendix is part of the certificate.

Gerätesteckdose, nicht-wiederanschließbar
Connector, non-rewirable

2-polig mit Schutzkontakt
2-pole with earthing contact

zentrale Leitungseinführung
straight cable entry

Fertigungsstätte / Place of manufacture: **30006554** : Kennzeichnung / Identification : **K**

Position im VDE-Ausweis Position in VDE-licence	Typ(en) Type(s)	Leitungsaufdruck Marking on cable	X	Δ	genehmigte Ausführung / approved version	---	Δ	nicht genehmigt / not approved
	IS-14		X		H05VV-F 3G 0,75 mm ² (max. 2 m)			
	IS-14		X		H05VV-F 3G 1,0 mm ²			
	IS-14		X		H05VV-F 3G 1,5 mm ²			
					H05RR-F 3G 1,0 mm ²			
					H05RR-F 3G 1,5 mm ²			
					H05RN-F 3G 0,75 mm ² (max. 2 m)			
					H05RN-F 3G 1,0 mm ²			
					H03RT-H 3G 0,75 mm ² (max. 2 m)			
					H03RT-H 3G 1,0 mm ²			
					H05V2V2-F 3G 0,75 mm ² (max. 2 m)			
					H05V2V2-F 3G 1,0 mm ²			
					05VA5V-F 3G 0,75 mm ² (max. 2 m)	X		
					05VA5V-F 3G 1,0 mm ²	X		

VDE Prüf- und Zertifizierungsinstitut

Aktenzeichen: **1276300-1550-0002/177621** Ausweis-Nr.: **40037879** Anlage Nr.: **302** Seite: **2 / 2** Datum: **2013-07-05**
File reference: **1276300-1550-0002/177621** Certificate No.: **40037879** Appendix No.: **302** Page: **2 / 2** Date: **2013-07-05**

Diese Anlage ist Bestandteil des Genehmigungsausweises. This appendix is part of the certificate.

Typ(en) Type(s)	IS-14		
Werkstoff der Trägerteile: Material of the base:	1.	PA66, Typ(e) 3004, TORAY Industries weiß / white	750°C
	2.	PP, Typ(e) PP4410(f1) SHINKONG Synthetic Transparent	750°C
Werkstoff der Umspritzung: Material of the moulding:	PVC alle Farben / all colours		650°C

VDE Prüf- und Zertifizierungsinstitut

Aktenzeichen: **1276300-1550-0002/177621** Ausweis-Nr.: **40037879** Anlage Nr.: **301** Seite: **1 / 2** Datum: **2013-07-05**
 File reference: Certificate No.: Appendix No.: Page: Date:

Diese Anlage ist Bestandteil des Genehmigungsausweises. This appendix is part of the certificate.

Gerätesteckdose, nicht-wiederanschließbar Connector, non-rewirable	2-polig mit Schutzkontakt 2-pole with earthing contact
zentrale Leitungseinführung straight cable entry	

Fertigungsstätte / Place of manufacture: **30006550** : Kennzeichnung / Identification : **C**

Position im VDE-Ausweis																						
Position in VDE-licence																						
Typ(en) Type(s)	X	X	X	X	X	X	X	X	X	X	X											
Leitungsaufdruck Marking on cable	H05VV-F 3G 0,75 mm ² (max. 2 m)	H05VV-F 3G 1,0 mm ²	H05VV-F 3G 1,5 mm ²	H05RR-F 3G 0,75 mm ² (max. 2 m)	H05RR-F 3G 1,0 mm ²	H05RR-F 3G 1,5 mm ²	H05RN-F 3G 0,75 mm ² (max. 2 m)	H05RN-F 3G 1,0 mm ²	H03RT-H 3G 0,75 mm ² (max. 2 m)	H03RT-H 3G 1,0 mm ²	H05V2V2-F 3G 0,75 mm ² (max. 2 m)	H05V2V2-F 3G 1,0 mm ²	05VA5V-F 3G 0,75 mm ² (max. 2 m)	05VA5V-F 3G 1,0 mm ²	---	---	---	---	---	---	---	---
	X	X	X	X	X	X	X	X	X	X	X	X	X	---	---	---	---	---	---	---	---	

VDE Prüf- und Zertifizierungsinstitut

Aktenzeichen: **1276300-1550-0002/177621** Ausweis-Nr.: **40037879** Anlage Nr.: **301** Seite: **2 / 2** Datum: **2013-07-05**
 File reference: **1276300-1550-0002/177621** Certificate No.: **40037879** Appendix No.: **301** Page: **2 / 2** Date: **2013-07-05**

Diese Anlage ist Bestandteil des Genehmigungsausweises. This appendix is part of the certificate.

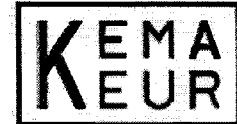
Typ(en) Type(s)	IS-14		
	Typ; Hersteller; Farbe Type; manufacturer; colour	Glühdrahtfestigkeit (°C) Glow wire resistance (°C)	
Werkstoff der Trägerteile: Material of the base:	1. PA66, Typ(e) 3004, TORAY Industries weiß / white	750°C	
	2. PP, Typ(e) PP4410(f1) SHINKONG Synthetic Transparent	750°C	

Werkstoff der Umspritzung: Material of the moulding:	PVC alle Farben / all colours	650°C
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CERTIFICATE

KEMA No.: 2124027.01



Issued to:
Applicant:

Product : appliance connector; (2-pole)
Trade name : I-SHENG
Type/model : IS-14

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

KEMA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard EN 60320-1:2001/A1:2007
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 901022

KEMA hereby grants the right to use the KEMA-KEUR certification mark.

The KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration of the KEMA-KEUR certification agreement and under the conditions of the KEMA-KEUR certification agreement.

This certificate is issued on: 19 March 2009 and expires upon withdrawal of one of the above mentioned standards.

KEMA Quality B.V.

drs. G.J. Zoetbrood
Managing Director

F.S. Strikwerda
Certification Manager

ACCREDITED BY
THE DUTCH COUNCIL
FOR ACCREDITATION



© Integral publication of this certificate is allowed

KEMA Quality B.V. Utrechtseweg 310, 6812 AR Arnhem P.O. Box 5185, 6802 ED Arnhem The Netherlands
T +31 26 3 56 20 00 F +31 26 3 52 58 00 customer@kema.com www.kema.com www.buyerrisk.com Registered Arnhem 09085396

Experience you can trust.



SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

product	: appliance connector; (2-pole)
trade name	:
type	: IS-14
rated current	: 10 A
rated voltage	: 250 V~
standard sheet	: C13
temperature limit	: T70
earthing	: with earthing contact
design	: non-rewirable
applied flexible cord(s)	: H05VV-F 3G0,75, 3G1,0 and 3G1,5 mm ² H05Z1Z1-F 3G0,75, 3G1,0 and 3G1,5 mm ² 05VA5V-F 3G0,75 and 3G1,0 mm ²
certification mark	: complies with the specified requirements
cord(s) termination	: crimped connection
description	: body of thermoplastic material as part of an in complete cord set for class I appliances
markings	: are shown on the body

TESTS

Test requirements

EN 60320-1:2001/A1:2007

Test result

The test results are laid down in KEMA test file 2124027.01.

Remarks

This certificate replaces our certificate 2093881.01 dated 2006-06-02 and is based on the VDE CB Test Certificate DE 1-40593



Conclusion

The examination proved that all test requirements were met.

Tested by : VDE

Checked by : H.R.M. Barends

A handwritten signature in blue ink, appearing to read "H.R.M. Barends", written over the printed name.

Factory locations

LICENCE

No. 16929 replaces No.16853

Issued to:
Applicant: _____



Licensee: _____

Product : connectors (2-pole) for class I appliances
Trade name(s) : I-SHENG
Type(s)/model(s) : IS-010, IS-14, IS-15, IS-15B

The product and any acceptable variation thereto is specified in the annex to this licence and the documents therein referred to.

SGS CEBEC hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard specified in annex
- an inspection of the production location
- a certification agreement with the number 809

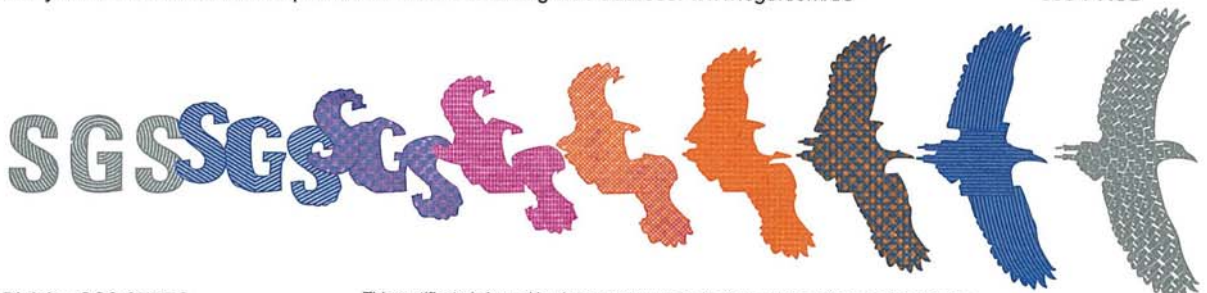
SGS CEBEC hereby grants the right to use the CEBEC certification mark

The CEBEC certification mark may be applied to the product as specified in this licence for the duration of the CEBEC certification agreement and under the conditions of the CEBEC certification agreement.

This licence is issued on: 14/12/2010

ir. C. Lana,
Certification Manager

© Only integral publication of this certificate, including the annex, is allowed
This certificate is only valid combined with the publication on the following web address: www.sgs.com/ee



SGS Belgium NV-Division SGS CEBEC
Business Riverside Park
Bld Internationalelaan 55 Build. D
B-1070 Brussels
Tel.+32(0)2 556 00 20 Fax.+32(0)2 556 00 36

This certificate is issued by the company under its General Conditions for Certification Services accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitations of liability defined therein and in the Test Report herein mentioned which findings are reflected in this Certificate. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	:	connectors (2-pole) for class I appliances
Trade name(s)	:	
Type(s)/Model(s)	:	IS-010, IS-14, IS-15, IS-15B
rated current (In)	:	10 A
rated voltage (Un)	:	250 V~
standard sheet	:	C13
earthing	:	with earthing contact
temperature limit (t max)	:	cold conditions, T70
design	:	non-rewirable
certification mark	:	complies with the requirements
cord(s) termination	:	crimped connection
description	:	body of thermoplastic material
markings	:	are shown on the body

Additional information

IS-14 & IS-15

Moulding : PVC if PVC cable used

TPE type IS-TPE01 from I-Sheng Electronics if halogen free cable used

Insert : PBT if PVC cable used

Nylon 66 type 6310 from Nan Ya Plastic Corp if halogen free cable used

Product data - type IS-15B

applied flexible cord(s)	:	H05VV-F 3G0.75-1.0 mm ²
construction	:	angled type

Product data - type IS-010

applied flexible cord(s)	:	H05 VV-F 3G0.75-1.0 mm ²
construction	:	angled type

Product data - type IS-14

applied flexible cord(s) : H05 VV-F 3G0.75-1.0-1.5 mm²
 05VA5V-F 3G0.75-1.0 mm²
 H05Z1Z1-F 3 G 0.75-1-1.5 mm²

construction : straight type

Product data - type IS-15

applied flexible cord(s) : H05 VV-F 3G0.75-1.0-1.5 mm²
 H05Z1Z1-F 3 G 0.75-1-1.5 mm²
 05VA5V-F 3G0.75-1.0 mm²

applied flexible cord(s) (cont'd) : (H)05VV-F 3G0.75-1.0 mm²

construction : angled type

TESTS

Test requirements

NBN EN 60320-1 based on EN 60320-1:2001 + A1:2007

Test results

The test results are laid down in certification file ref.589470/01

Remarks

This certificate is based on certificate ref. DK-20126, DK-20923, DE1-40593, DE1-40591, FI2724, FI2725, FI2931 and test report(s) ref. U03043-10, U03036-10, 1276300-1550-0002/107125, 1276300-1550-0002/107141, 231388-01, 231388-02 and 233965-03

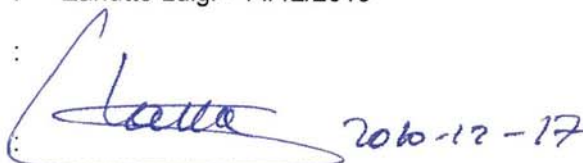
Conclusion

The examination proved that all test requirements were met.

Checked by, project leader : Zanutto Luigi - 14/12/2010

Department Manager,
Product Certification :

Certification Manager :



FACTORY LOCATION(S)

DEMKO CERTIFICATE

Certificate No. D-02487
Page 1/3
Date of Issue 2013-04-30

Certificate Holder

Manufacturer

Production site

See Page 2

Certified Product Model Connector, Non-rewirable
IS-14
Trademark I-SHENG

Rated Voltage / Frequency 250 V ~
Rated Current / Power 10 A
Insulation Class -
Degree of protection (IP) -

Tested acc. to EN 60320-1:2001/A1:2007, EN 60320-1:2001
Test Report No. 13CA22784 issued on 2013-04-26

Additional Additionally evaluated to EN 60320-1:2001+A1:2007; National Differences specified in the CB Test Report.

Expire date 2023-04-30

Certification Manager
Jan-Erik Storgaard

Certification Body

The product and production sites listed on the certificate comply with the D-mark requirements and the UL Global Service Agreement, with reference to Terms and Conditions for the D mark. The Owner of the certificate is entitled to use the d or for cables «DEMKO», for the products listed on the certificate and manufactured at the production sites listed. UL has to be informed in writing about any changes to the product or production site in accordance with the Term and Conditions of the D mark. The validity of the certificate is shortened if the EU legislation require re-testing and re-certification due to new standards or amendments coming into force before the expiry date.

**UL International Demko A/S, Borupvang 5A, DK-2750
Ballerup, Denmark, Tel. +45 44 85 65 65,
info.dk@ul.com
www.ul-europe.com**



Appendix DEMKO CERTIFICATE

Certificate No. D-02487
Page 2/3
Date of Issue 2013-04-30

Production Sites:

External Certification Information:

CB-certificate FI 7835 issued by SGS Fimko Ltd, dated 2013-04-02

Additional Information:

This certificate replace Demko certificate D-312723-05.

For class I equipment.

Standard Sheet: C13

Type of Cords:

H05VV-F 3G 0.75 – 1.5 mm²

05VA5V-F 3G 0.75 – 1.0 mm²

H05Z1Z1-F 3G 0.75 – 1.5 mm²

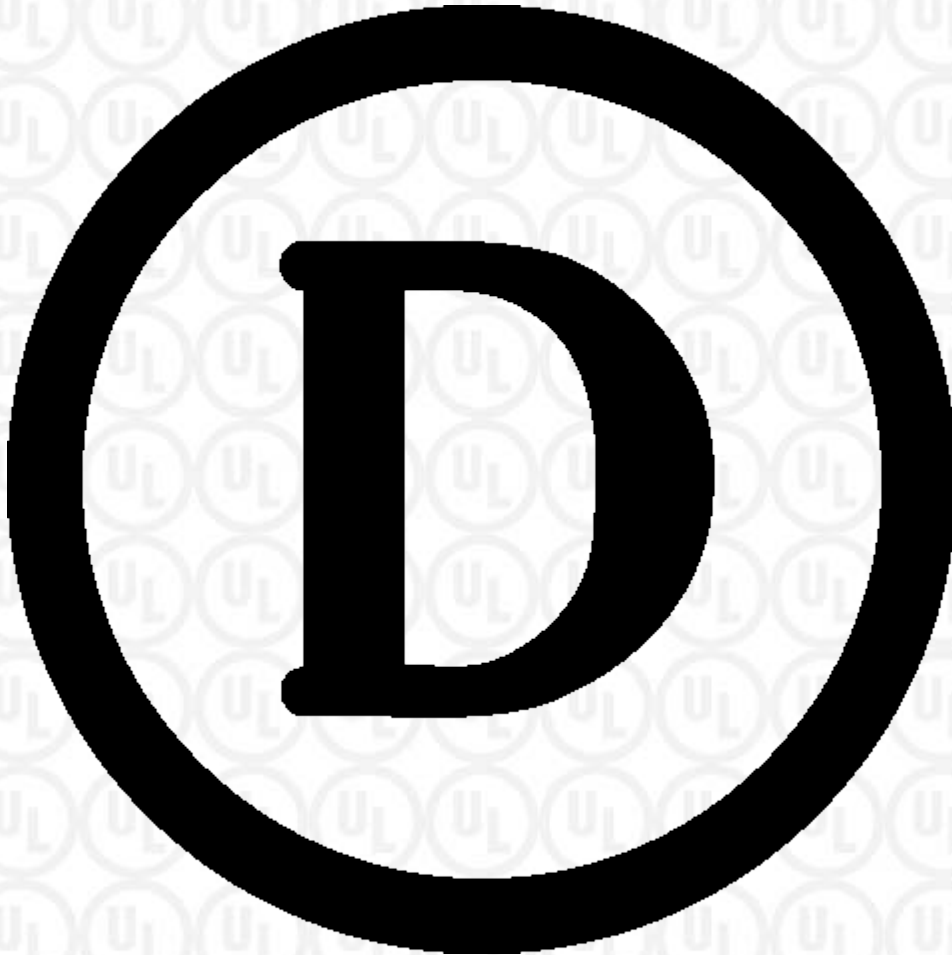
Certification Body

UL International Demko A/S, Borupvang 5A, DK-2750
Ballerup, Denmark, Tel. +45 44 85 65 65,
info.dk@ul.com
www.ul-europe.com



Appendix DEMKO CERTIFICATE

Certificate No. D-02487
Page 3/3
Date of Issue 2013-04-30



Certification Body

UL International Demko A/S, Borupvang 5A, DK-2750
Ballerup, Denmark, Tel. +45 44 85 65 65,
info.dk@ul.com
www.ul-europe.com



Certificate



for European Product Safety

Reference No. 1305108

Connector

Type designation IS-14

Certificate holder

The product complies with the standard(s) EN 60320-1:2001 +A1

Date of expiry 5 May 2018

EU Directive information The product satisfies the provisions for CE marking according to the Low Voltage Directive 2006/95/EC.

Additional information in Appendix.

Certification Body Intertek Semko AB, Product Certification

Place Kista - Stockholm

Signed


Pär Iggström

Date 24 April 2013
Page 1 of 3

This certificate is issued in accordance with the terms and conditions set out in the Appendix.



Intertek
Appendix

Reference No. 1305108

Technical data

Type designation	IS-14
Rated voltage (V)	250V~
Rated current (A)	10A
IP-Class	20
Type of cord	H05VV-F 3G0,75-1,5mm ² 05VA5V-F 3G0,75-1,0mm ² H05Z1Z1-F 3G0,75-1,5mm ²
Standard sheet	C13
Trade mark	I-SHENG
Product information	Non-rewirable connector for class I equipments

Manufacturing site(s)

This Certificate is for the exclusive use of Intertek's Client and is provided pursuant to the Certification agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this certificate. Only the Client is authorized to permit copying or distribution of this certificate and then only in its entirety. Use of Intertek's Certification mark is restricted to the conditions laid out in the agreement. Any further use of the Intertek name for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. Initial Factory Assessments and Follow up Services are for the purpose of assuring appropriate usage of the Certification mark in accordance with the agreement, they are not for the purposes of production quality control and do not relieve the Client of their obligations in this respect.



Intertek
Appendix

Reference No. 1305108

This certificate, which includes production control, constitutes sufficient support for an EC Declaration of Conformity and CE marking, according the principle of presumption of conformity, of the product according to the Low Voltage Directive 2006/95/EC.

This presumption can expire before end of validity of this certificate due to new issued Standard or Amendment and changes within the EU legislation.

This certificate is based on CB with ref. No. FI 7835 dated 2013-04-02, issued by SGS Fimko Ltd.

Certification Body Intertek Semko AB, Product Certification *Place* Kista - Stockholm

Signed


Pär Iggström

Date 24 April 2013

This Certificate is for the exclusive use of Intertek's Client and is provided pursuant to the Certification agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this certificate. Only the Client is authorized to permit copying or distribution of this certificate and then only in its entirety. Use of Intertek's Certification mark is restricted to the conditions laid out in the agreement. Any further use of the Intertek name for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. Initial Factory Assessments and Follow up Services are for the purpose of assuring appropriate usage of the Certification mark in accordance with the agreement, they are not for the purposes of production quality control and do not relieve the Client of their obligations in this respect.

Product Connector

Applicant

Manufacturer

Factory See page 2

Ratings 10A 250V AC

Trade mark I-SHENG

Model / Type Ref. IS-14

Principal characteristics Non-rewirable connector with H05VV-F 3G0.75-1.5mm².
Standard sheet C13. IP20. See next page(s)

A sample of the product was tested and found to be in conformity with

INST EN 60320-1:2001;A1

Replaces This certificate replaces previous certificate No. P08209279/A1, due to addition of a new factory

Validity This certificate documents conformity with the standards shown, and also applies as license for use of Nemkos name and certification mark. The certificate and license is valid as long as the applicable conditions are complied with, and provided that any changes to the product are notified to Nemko for acceptance prior to implementation.

New standards or amendments to the standards may imply that the product design must be updated and/or that re-testing and re-certification is necessary.

Additional information

 See next page(s)

Additional model(s)

 See next page(s)

Date of issue 12-05-2009



Signature

Geir Hørthe

Certification Department

Nemko AS

Office address

Internet

Telephone

Fax

P.O. Box 73, Blindern

Gaustadalléen 30

www.nemko.com

+47 22 96 03 30

+ 47 22 96 05 50

N-0314 Oslo, Norway

Oslo

Enterprise number:

NO 974404532

Product Connector
Pos. No 1
Model / Type Ref. IS-14
Trade mark (if different from page 1)
Rating 10A 250V AC
Principal characteristics Non-rewirable connector with H05Z1Z1-F 3G0.75-1.5mm².
Standard sheet C13. IP20.

Product Connector
Pos. No 2
Model / Type Ref. IS-14
Trade mark (if different from page 1)
Rating 10A 250V AC
Principal characteristics Non-rewirable connector with 05VA5V-F 3G0.75-1mm².
Standard sheet C13. IP20.

Factories:

Date of issue 12-05-2009



Signature

Geir Hørthe

Certification Department

CERTIFICATE ENEC/FI 2013015 A1



Our Ref. 270593-1, 270593-2

Product Connector, non-rewirable
 Rating and principal characteristics 10 A, 250 V~, IP20
 Trade mark (if any)
 Type IS-14, with cord H05VV-F 3G0,75-1-1,5
 IS-14, with cord 05VA5V-F 3G0,75-1
 IS-14, with cord H05Z1Z1-F 3G0,75-1-1,5

Name and address of the licensee

Address of the manufacturer

Is in conformity with EN 60320-1:2001 + A1:2007

As shown in the Test Report(s) No(s) 270593-1 and 270593-2

It is authorized to use of the marks ENEC 16 and FI

Validity This certificate is valid until 02 April 2018 unless the standard in question has been amended or superseded with significant changes in requirements, in which case, SGS Fimko has the right to shorten the validity of the certificate based on the legislation of the European Union. This certificate includes the right to use the ENEC 16 and FI mark under the condition that changes (if any) will be checked at SGS Fimko before the product is brought onto market and that the conditions for ENEC and FI certification are met.

Directive information The product(s) fulfils the essential safety requirements for CE conformity marking according to the Low Voltage Directive (2006/95/EC) at the date of issue of this certificate.

With the following limitations -

Date of issue 20 August 2013

Signature **SGS Fimko Ltd**

Sixten Lökfors
 Project Manager



This certificate has 2 pages



This certificate is issued by the company under its General Conditions for Certification Services accessible at <http://www.sgs.fi/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitations of liability defined therein and in the Test Report here above mentioned which findings are reflected in this certificate. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Page No.: 2 of Certificate No.: ENEC/FI 2013015 A1

Additional information

Standard sheet C13
05VA5V-F 3G0,75-1 (as 60227 IEC 53 (H05VV-F) but with Al-tape screen and copper wire around conductors)

This certificate replaces ENEC/FI certificate No. 2013015 dated 02 April 2013, due to added one Manufacturing site.

Manufacturing site(s)





I-Sheng Electric Wire & Cable Co., Ltd.
52 Tin Hwu Road
Ta Hua Village, Gwai San Hsian
TW-Tao Yuan Hsien, 33334
Taiwan

Client no. 1451	Your ref. Kelly Chien	Our Ref. Ts	Date 2015/05/04
--------------------	--------------------------	----------------	--------------------

Authorization

Number: **15.0273**
 valid until: **2018/05/03**

Marking:  Company logo

Based on the documents contained in file **15-BS-0118** the Federal Inspectorate for Heavy Current Installations grants the firm named above the right, to put the equipment listed below on the market marked with the safety mark in accordance with the NEV.

Equipment: **Connector, non-rewirable**
 Tradename: **I-SHENG**

Type designation: **IS-14**
 Nominal values:
 250V~ 10A L+N+PE
 standard sheet C13
 with non rewirable cords:
 H05VV-F 3G0.75mm² [I-SHENG]
 H05VV-F 3G1.00mm² [I-SHENG]
 H05VV-F 3G1.50mm² [I-SHENG]
 05VA5V-F 3G0.75mm² [I-SHENG]
 05VA5V-F 3G1.00mm² [I-SHENG]
 H05Z1Z1-F 3G0.75mm² [I-SHENG]
 H05Z1Z1-F 3G1.00mm² [I-SHENG]
 H05Z1Z1-F 3G1.50mm² [I-SHENG]

Protection class: **For class I equipment**
 Protection degree: **IP20**





Authorization

Number: **15.0273**

page **2**

Basis:

CB / Fimko / FI 7835 dated 2013/04/02

Remark:

Manufacturing sites:

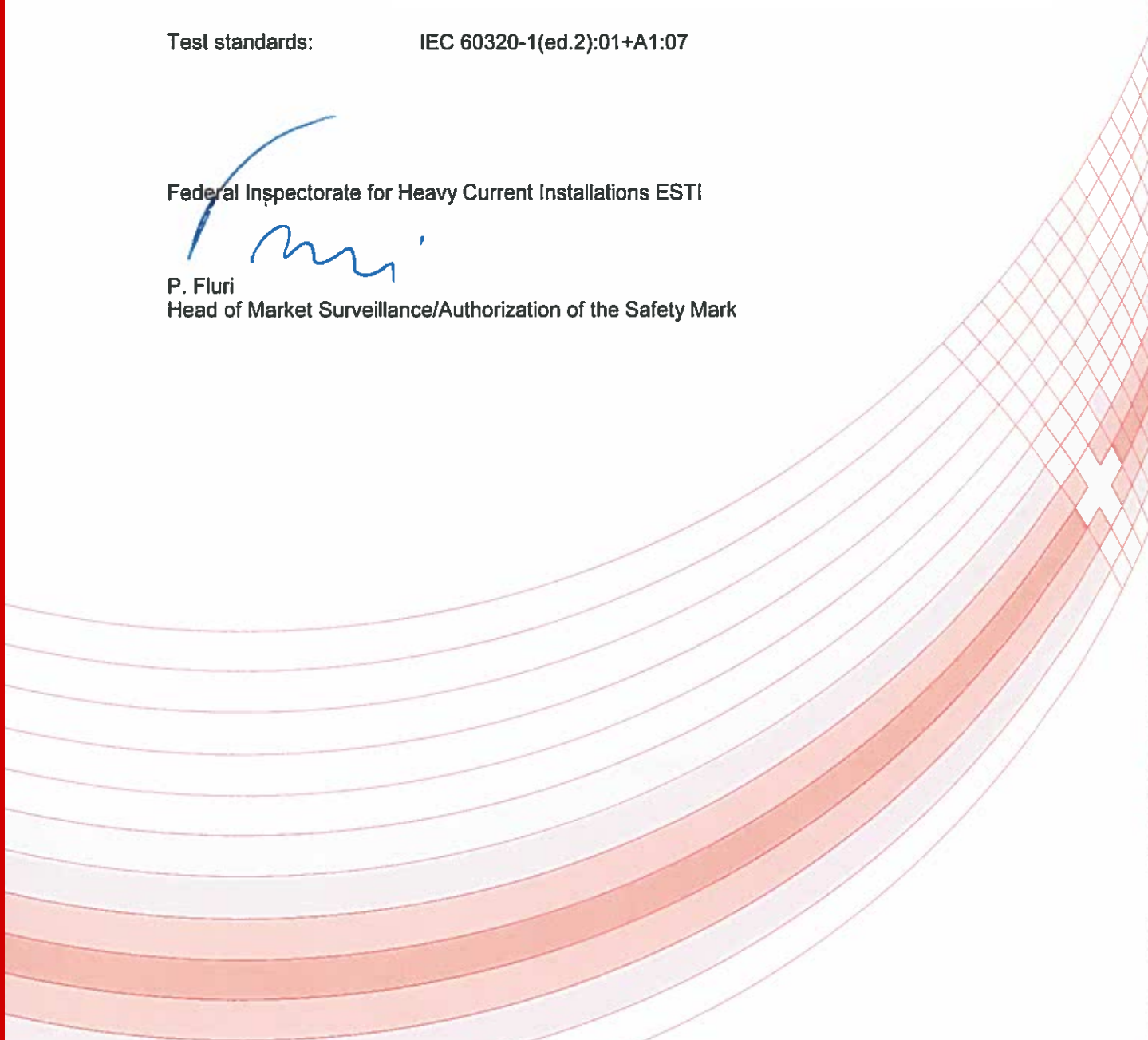
Test standards:

IEC 60320-1(ed.2):01+A1:07

Federal Inspectorate for Heavy Current Installations ESTI

P. Fluri

Head of Market Surveillance/Authorization of the Safety Mark



OVE AUSTRIAN ELECTROTECHNICAL ASSOCIATION

Eschenbachgasse 9, 1010 Wien, Austria
ZVR: 327279890 | DVR: 1055887

OVE - Testing & Certification

Kahlenberger Str. 2A, 1190 Wien, Austria
Phone: +43 1 370 58 06
www.ove.at



ÖVE-CERTIFICATE

including the entitlement to use the Austrian Safety Mark



Certificate No.: **8556-004-11**

Valid from: 2015 10 27
until: 2017 10 27

The Austrian Electrotechnical Association (OVE) hereby grants the right to the company mentioned below to label the listed products with the Austrian Safety Mark.

Company:

Product: **Connector for Class I appliances with cord**

Basis for this given right is the conformity of the products with the requirements of the technical standards listed in this certificate as stated in the file(s) Ref.-No(s). **2525,1064-722/99-N1**.

This certificate establishes the conformity of the tested specimen and of all products manufactured strictly identical to the submitted one.

Österreichischer Verband für Elektrotechnik
Head of Testing & Certification

Digitally signed by W. Martin
Email=w.martin@ove.at

Dipl.-Ing. W. Martin

Vienna, 2015 08 18



OVE - Testing & Certification

Accredited by the Federal Ministry of Science, Research and Economy as Certification Body for products within the scope as given in the official decree and published under www.en.bmwfw.gv.at/accreditation





Österreichischer Verband
für Elektrotechnik

Certificate No.: 8556-004-11
Date: 2015 08 18
Page 2 of 3

Manufacturer:

Factory location(s):

Tested and certified according to:

ÖVE/ÖNORM EN 60320-1:2010-11-01

This certificate is the basis for the EC Declaration of Conformity and the CE Marking by the manufacturer or his agent and shows the conformity with the listed standards as defined by the **EC Low-Voltage Directive 2006/95/EC**.

Product: Connector for Class I appliances with cord

Type designation:

Rating:

Trademark:

IS-14

Rated voltage: AC 250 V

Rated current: 10 A

H05VV-F 3 G 0,75

IS-14

Rated voltage: AC 250 V

Rated current: 10 A

H05VV-F 3 G 1

OVE - Testing & Certification

Accredited by the Federal Ministry of Science, Research and Economy as Certification Body for products within the scope as given in the official decree and published under www.en.bmwf.gv.at/accreditation





Österreichischer Verband
für Elektrotechnik

Certificate No.: 8556-004-11
Date: 2015 08 18
Page 3 of 3

IS-14

Rated voltage: AC 250 V
Rated current: 10 A
H05VV-F 3 G 1,5

IS-14

Rated voltage: AC 250 V
Rated current: 10 A
05VA5V-F 3 G 0,75

IS-14

Rated voltage: AC 250 V
Rated current: 10 A
05VA5V-F 3 G 1

IS-14

Rated voltage: AC 250 V
Rated current: 10 A
H05Z1Z1-F 3 G 0,75

IS-14

Rated voltage: AC 250 V
Rated current: 10 A
H05Z1Z1-F 3 G 1

IS-14

Rated voltage: AC 250 V
Rated current: 10 A
H05Z1Z1-F 3 G 1,5

OVE - Testing & Certification

Accredited by the Federal Ministry of Science, Research and Economy as Certification Body for products within the scope as given in the official decree and published under www.en.bmwf.gv.at/accreditation



PID:

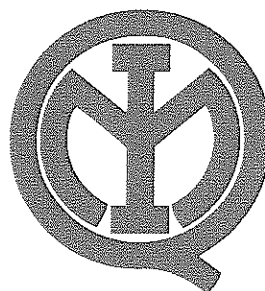
02115100

CID:

C.1993.495

Certificato di approvazione*Approval certificate***IMQ, ente di certificazione accreditato,
autorizza la ditta***IMQ, accredited certification body, grants to***all'uso del marchio***the licence to use the mark***IMQ**

Il presente certificato è
soggetto alle condizioni
previste nel "Regolamento
IMQ - Certificazione
prodotto" ed è relativo ai
prodotti descritti
nell'Allegato al presente
certificato.

**per i seguenti prodotti***for the following products***Prese di connettore
indissolubilmente collegate al
cavo
(Rif. di tipo IS-14)***Non-rewirable connectors
(Type ref. IS-14)*

*This certificate is subjected to
the conditions foreseen by "IMQ
Rules - Product Certification"
and is relevant to the products
listed in the annex to this
certificate.*

Emesso il | Issued on:

2000-03-31

Data di aggiornamento | Updated on

2009-05-21

Sostituisce | Replaces

2005-02-04
IMQ S.p.A.

Allegato - Certificato di approvazione
Annex - Approval certificate

Emesso il / Issued on 2000-03-31
Data di aggiornamento / Updated on 2009-05-21
Sostituisce / Replaces 2005-02-04

Prodotto | Product

Prese di connettore indissolubilmente collegate al cavo
Non-rewirable connectors

Concessionario | Licence Holder

Marchio | Mark



IMQ

Costruito a | Manufactured at

98001046	CLISHE.CO2LCISHE+2	JIANG SU PROVINCE	China
98001045	CLISHE.CO2LCISHE+1	SHENZHEN GUANGDONG	China
95002261	CLISHE.CO1LCISHE.C	TAO YUANG HSIEN, TAIWAN	Taiwan
PLJ00091	CO2702551	Bac Ninh Province	Viet Nam

Copia del presente certificato deve essere conservata presso i luoghi di produzione sopra elencati.

Copy of this certificate must be available at the manufacturing places listed above

Norme

EN 60320-1:2001 + A1:2007
Prodotti conformi ai requisiti essenziali della Direttiva B.T. 2006/95/CE

Standards

EN 60320-1:2001 + A1:2007
Products meeting the essential requirements of L.V.D. 2006/95/EC

Rapporti | Test Reports

26LJ00009

Caratteristiche tecniche | Technical characteristics

<i>Designazione Type designation</i>	2P+T foglio C13 / 2P+E S.S. C13
<i>Tensione nominale Rated voltage</i>	250 V
<i>Corrente nominale Rated current</i>	10
<i>Tipo di applicazione Type of application</i>	fredda / for cold conditions
<i>Tipo di morsetti Type of terminals</i>	morsetti aggraffati / crimped connections
<i>Materiale della custodia Material of the cover</i>	termoplastico / thermoplastic
<i>Uscita cavo Cable exit</i>	assiale / straight

Articoli (con dettagli) | Articles (with details)

DAT99002746.1

<i>Marca Trade mark</i>	
<i>Riferimento di tipo Type reference</i>	IS-14
<i>Tipo di cavo Type of cable</i>	H05VV-F
<i>Sezione nominale Section areas</i>	3G0,75 mm²

DAT99002746.2

<i>Marca Trade mark</i>	
<i>Riferimento di tipo Type reference</i>	IS-14
<i>Tipo di cavo Type of cable</i>	H05VV-F
<i>Sezione nominale Section areas</i>	3G1,00 mm²

DAT99002746.3

Marca | Trade mark

Riferimento di tipo | Type reference **IS-14**
Tipo di cavo | Type of cable **H05VV-F**
Sezione nominale | Section areas **3G1,50 mm²**

DAT99002746.4

Marca | Trade mark

Riferimento di tipo | Type reference **IS-14**
Tipo di cavo | Type of cable **05VA5V-F**
Sezione nominale | Section areas **3G0,75 mm²**

DAT99002746.5

Marca | Trade mark

Riferimento di tipo | Type reference **IS-14**
Tipo di cavo | Type of cable **05VA5V-F**
Sezione nominale | Section areas **3G1,00 mm²**

AR.J003F1

Marca | Trade mark

Riferimento di tipo | Type reference **IS-14**
Tipo di cavo | Type of cable **H05Z1Z1-F**
Sezione nominale | Section areas **3G0,75 mm²**

AR.J003F2

Marca | Trade mark

Riferimento di tipo | Type reference **IS-14**
Tipo di cavo | Type of cable **H05Z1Z1-F**
Sezione nominale | Section areas **3G1,00 mm²**

AR.J003F3

Marca | Trade mark

Riferimento di tipo | Type reference **IS-14**
Tipo di cavo | Type of cable **H05Z1Z1-F**
Sezione nominale | Section areas **3G1,50 mm²**

Ulteriori informazioni | Additional Information

Le spine riportano la seguente marcatura aggiuntiva che identifica il luogo di produzione:

La presa di connettore rif.di tipo IS-14 è prodotta con il seguente inserto:
marca I-Sheng art. 014 (alloggiamento) e marca GEM art. 98740 (contatti)

The plugs are quoted with the following additional marking which identify the manufacturing location:

The non-rewirable connector type ref. IS-14 is manufactured with the following insert:
trade mark I-Sheng art. 014 (housing) and trade mark GEM art. 98740 (contacts)

Componenti | Component List

Type ref. IS-14

Tipo Type	(*)	Costruttore Manufacturer	Riferimento Type Ref.	Dati Data	Norme Standard (*)	Marchi Marks
Cavo / Cable	2/4			H05VV-F	-	IMMEQU
Cavo / Cable	2/4			05VA5V-F	-	VDE
Cavo / Cable	2/4			H05Z1Z1-F	-	VDE

Emesso il | Issued on **2009-05-21**

Data di aggiornamento | Updated on

Sostituisce | Replaces

Ciascun componente è contraddistinto da un numero avente il seguente significato:

- 1 - Componente marchiato e sostituibile con altro pure marchiato con caratteristiche equivalenti
- 2 - Componente sostituibile solo previa autorizzazione dell'IMQ
- 3 - Componente (integrato nell'apparecchio utilizzatore) provato congiuntamente all'apparecchio utilizzatore
- 4 - Componente in alternativa
- 5 - Componente per uso opzionale
- 6 - Componente da abbinare

Each component is signed by a number having the following meaning:

- 1 - Approved component replaceable with another one also approved with equivalent characteristics
- 2 - Component replaceable with IMQ authorization only
- 3 - Integrated component tested together with appliances
- 4 - Alternative component
- 5 - Component for optional use
- 6 - Component to be matched

(*) Queste colonne sono compilate a cura di IMQ / These columns are filled in by IMQ

Diritti di concessione | Annual Fees

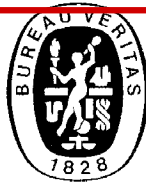
DAT99002746 BTJ.021100.DA19

Diritti modelli IMQ - 0211 - Prese, spine e connettori di uso domestico | IMQ models - 0211 - Plugs and appliance couplers for domestic purposes

2



IMQ S.p.A.



LCIE

Accréditation
N° 5-0014
Portée
disponible sur
www.cofrac.fr



LICENCE



LCIE N° 582010

Délivrée à:
Delivered to:

Site de fabrication:
Factory:

Voir en annexe 1
See in annex 1

Produit:
Product:

Connecteurs pour usages domestiques et usages généraux analogues
Appliance couplers for household and similar general purposes

Marque commerciale (s'il y a lieu):
Trade mark (if any):

I-SHENG

Modèle, type, référence:
Model, type, reference:

IS-14

Caractéristiques nominales et principales:
Rating and principal characteristics:

10A, 250V~

Informations complémentaires:
Additional informations:

Voir annexe 2 / *See annex 2*
Ajout d'un nouveau site de fabrication et d'un câble / *Addition of new factory and cable*

Le produit est conforme à:
The product is in conformity with:

EN 60320-1:2001 +A1:2007

Documents pris en compte:
Relevant documents:

Certificat d'essai OC / CB test certificate n° DE1-4 0593 / TR 1276300-1550-0002/107125

Annule et remplace (s'il y a lieu):
Cancel and replaces (if necessary):

Licence n° 558756G du 2007-05-23

Cette licence autorise l'usage de la marque NF pour le produit dans les conditions du règlement de la marque NF, pour autant que les contrôles réguliers de la fabrication et les vérifications par tierce partie soient satisfaisants.

This licence permits the use of the Mark NF for the product in compliance with the Regulation of the NF Mark, as far as the regular checking and third party verifications of the production are satisfactory.

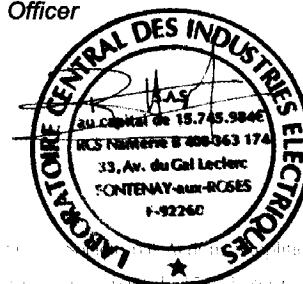
Fontenay-aux-Roses, 2009-03-11

Par mandatement de AFNOR Certification et pour le LCIE
By mandate from AFNOR Certification and for LCIE

Date limite de validité :
Limit expired date :

Rémi HANOT
Responsable de Certification
Certification Officer

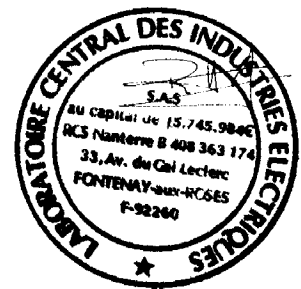
La validité de la présente licence cesse dès l'annulation de l'une des normes sur laquelle elle est fondée.
The present licence is valid until the cancellation of one of the standards on which it is based.



Annexe 1 : Liste des sites de fabrication
Annex 1 : List of the Factories

Site de fabrication :

Factory :





LCIE

LCIE N°582010

Annexe / Annex 2

**CARACTERISTIQUES NOMINALES ET PRINCIPALES
RATING AND PRINCIPAL CHARACTERISTICS**

Classification

Feuille de norme / <i>standard Sheet</i>	C13
Courant nominal / <i>rated current (A)</i>	10A
Tension nominale / <i>rated voltage (V)</i>	250V
Degré de protection / <i>degree of protection</i>	IP20
Température maximale de la base des broches du socle de connecteur correspondant <i>maximum pin temperature at the base of the pins of the corresponding appliance inlet</i>	prises mobiles pour conditions froides (température des broches ne dépassant pas 70 °C) <i>connectors for cold conditions (pin temperature not exceeding 70 °C)</i>
Type d'équipement à raccorder <i>type of equipment to be connected</i>	prises mobiles pour matériels de la classe I <i>connectors for class I equipment</i>
Mode de raccordement du câble <i>method of connecting the cord</i>	prises mobiles non démontables <i>non-rewirable connectors</i>

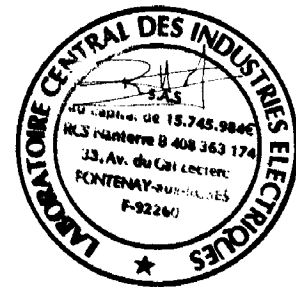
Couleur: noir / *Color: black*

Entrée longitudinale de câble / *Longitudinal entry of cable*

Câble / Cable

Type du câble <i>Type of cable</i>	Fabricant <i>Manufacturer</i>	Conformité <i>Conformity</i>
H05VV-F 3G0,75 / 1 / 1,5	I-Sheng Electric Wire and Cable Co., Ltd.	VDE
H05Z1Z1-F 3G0,75 / 1 / 1,5	I-Sheng Electric Wire and Cable Co., Ltd.	VDE

Insert 014 I-Sheng Plastic Co., Ltd.



02 April 2013

9th Floor, No.12, Alley 100,
Lane 155, Tung Hwa North Road,
Taipei 105, Taiwan

Liza Yu Hsien Ting Huang

Attention: Ms Liza Huang
Dear Sir / Madam,

APPROVAL OF PRESCRIBED EQUIPMENT

Enclosed is the Certificate(s) in respect to your recent application received by Queensland Government (ESO).

Please take time to check the certificate to ensure that all details are correct in accordance with your application, and that you understand all of the conditions imposed on the approval.

Should you have any queries, please contact Pravin Venkatesan on telephone ,or email pravin.venkatesan@justice.qld.gov.au

Any samples that accompanied your application are available for collection, and if not collected within 20 business days of the date hereon may be disposed of.

Notification must be given to Queensland Government (ESO) of any change of registered Address within 20 business days.

Yours faithfully



DIRECTOR OF EQUIPMENT SAFETY

Ref: ESO130212/00

Certificate Number: ESO130212/00



Certificate of Approval

This is to certify that the Director of Equipment Safety has approved the electrical equipment described hereunder.

Registered Declarant: Liza Yu Hsien Ting Huang
9th Floor, No.12, Alley 100,
Lane 155, Tung Hwa North Road,
Taipei 105, Taiwan

Required Marking: ESO130212

Electrical equipment covered by this approval must comply in all respects with the approved article, and prior to being supplied or offered for supply, must be clearly and indelibly marked with the required marking indicated above, or the Regulatory Compliance Mark (RCM) provided that the requirements of all relevant parts of AS/NZS 4417 applicable to the article are fulfilled.

Any modifications to the electrical equipment or its place of manufacture must be approved by Queensland Government (ESO) prior to the equipment being supplied or offered for supply.

Notification must be given to Queensland Government (ESO) of any change to the name or address of the holder of the certificate within 20 business days.

ARTICLE DETAILS

Electrical Equipment:	Prescribed Appliance Connector Moulded appliance connector
Relevant Standards:	AS/NZS60320.1:2012
Expiry Date:	09 June 2018
Conditions of Approval:	Alternative certification mark Q88116

A handwritten signature in black ink, appearing to be "B. R. H.", written over a light grey rectangular background.

Certificate Number: ESO130212/00



Approval details

Model	IS-14
Rated at	Input: 250V ~, 10A
Trade Name	
Comments	C13 type moulded to cords H05VV-F 3G0.75mm ² (3ASL/75, Q88228); H05VV-F 3G1.0mm ² (3ASL/100, Q90033); H05VV-F 3G1.5mm ² (3ASL/150, Q96257); 05VA5V-F 3G0.75mm ² (3ASL/75A); 05VA5V-F 3G1.0mm ² (3ASL/100A, Q98318) and H05Z1Z1-F 3G0.75mm ² /1.0mm ² (Q090060)

Model	IS-14S
Rated at	Input: 250V~, 10A
Trade Name	
Comments	C13 type [different shape] moulded to cords:- H05VV-F 3G0.75mm ² (3ASL/75, Q88228) and 3G0.1.0mm ² (3ASL/100, Q90033).

Model	IS-14B
Rated at	Input: 250V~, 10A
Trade Name	
Comments	C13 type (different shape) moulded to cords:- H05VV-F 3G0.75mm ² (3ASL/75,3ASL/75A, 3ASL/75B, 3ASL/75A&B, Q88228); H05VV-F 3G1.0mm ² (3ASL/100, 3ASL/100A, 3ASL/100B, Q90033); H05VV-F 3G1.5mm ² (3ASL/150, 3ASL/150A, Q96257) and H05VV-F 3G2.5mm ² (3ASL/250, 3ASL/250A, Q90033).

A handwritten signature in black ink, appearing to be "B. R. H.", written over a light blue rectangular background.

Certificate Number: ESO130212/00



Model	IS-14A
Rated at	Input: 250V~, 10A
Trade Name	
Comments	C17 connector moulded to cords:- H05VV-F 2x0.75mm ² (2ASL/75,Q88228); H05VV-F 2x1.0mm ² (2ASL/100, Q90033) and H05VVH2-F 2x0.75mm ² (2LSF/75, Q88228).

A handwritten signature in black ink, appearing to be "B. R. H.", written on a light-colored rectangular background.

19 November 2014

9th Floor, No.12, Alley 100,
Lane 155, Tung Hwa North Road,
Taipei 105, Taiwan

Liza Yu Hsien Ting Huang

Attention: Ms Liza Huang
Dear Sir / Madam,

APPROVAL OF PRESCRIBED EQUIPMENT

Enclosed is the Certificate(s) in respect to your recent application received by Queensland Government (ESO).

Please take time to check the certificate to ensure that all details are correct in accordance with your application, and that you understand all of the conditions imposed on the approval.

Should you have any queries, please contact Ben Taylor on telephone ,or email ben.taylor@justice.qld.gov.au

Any samples that accompanied your application are available for collection, and if not collected within 20 business days of the date hereon may be disposed of.

Notification must be given to Queensland Government (ESO) of any change of registered Address within 20 business days.

Yours faithfully



DIRECTOR OF EQUIPMENT SAFETY

Ref: ESO130212/01

Certificate Number: ESO130212/01



Certificate of Approval

This is to certify that the Director of Equipment Safety has approved the electrical equipment described hereunder.

Registered Declarant: Liza Yu Hsien Ting Huang
9th Floor, No.12, Alley 100,
Lane 155, Tung Hwa North Road,
Taipei 105, Taiwan

Required Marking: ESO130212

Electrical equipment covered by this approval must comply in all respects with the approved article, and prior to being supplied or offered for supply, must be clearly and indelibly marked with the required marking indicated above, or the Regulatory Compliance Mark (RCM) provided that the requirements of all relevant parts of AS/NZS 4417 applicable to the article are fulfilled.

Any modifications to the electrical equipment or its place of manufacture must be approved by Queensland Government (ESO) prior to the equipment being supplied or offered for supply.

Notification must be given to Queensland Government (ESO) of any change to the name or address of the holder of the certificate within 20 business days.

ARTICLE DETAILS

Electrical Equipment:	Prescribed Appliance Connector Moulded appliance connector
Relevant Standards:	AS/NZS60320.1:2012
Expiry Date:	09 June 2018
Conditions of Approval:	Alternative certification mark Q88116

A handwritten signature in black ink, appearing to read "B. R. H.", is written over a light blue rectangular background.

Certificate Number: ESO130212/01



Approval details

Model	IS-14N
Rated at	Input: 250V, 10A
Trade Name	
Comments	Alternative moulded to H05VV-F 3G0.75mm ² (3ASL/75, Q88228), or H05VV-F 3G1.0mm ² (3ASL/100, Q90033), or H05VV-F 3G1.5mm ² (3ASL/150, Q96257).

A handwritten signature in black ink, appearing to be "B. R. H.", written over a light grey rectangular background.



ASTA Licence



Intertek

The **ASTA Diamond Mark** is a symbol of electrical safety. It provides evidence for customers and authorities that Intertek has independently tested and certified the product's compliance to applicable safety standards, also that Intertek monitors production and testing to ensure subsequent production continues to comply with stated standards.

This Licence is valid until the review date or earlier if preceded by the withdrawal of the Approval Standard or otherwise withdrawn by the Certification Body. Current validity status can be confirmed by contacting:
Intertek
Hilton House,
Corporation Street,
Rugby, CV21 2DN
United Kingdom
Tel: +44 (0)1788 578435
asta@intertek.com

Details of Approved variants, components and sites are given on Endorsements to this Licence (3 pages)

This Licence authorises use of the

ASTA Diamond Mark

Licence No. 443

Organisation:

I-Sheng Electric Wire & Cable Company Limited

52 Tin Hwu Road, Ta Gann Village, Gwai San Hsien, Taiwan, R.O.C.

Product:	Appliance Connector
Designation:	IS-010 (90°), IS-14 (straight) IS-15 & IS-15B (angled R) IS-17 (angled L)
Colour(s):	All Colours
250 Volts a.c. 50Hz:	10 Amperes
Non-rewirable	Cold Conditions
Class I Equipment	Solid moulded on construction
Approval Standard:	IEC 60320-1: 2001, Edition 2.1 Standard Sheet C13

Issue number:	11
Review date:	30 th November 2016
Factory Reference:	LQ-497, LQ-504 & ISHEVT.A1

R W Hayward

Name

Signature

26th July 2011

Date



010

ASTA Certificates, ASTA Licences and ASTA Test Reports

ASTA Certificates, ASTA Licences and ASTA Test Reports are issued by Intertek for the exclusive use of the party applying for the Certificate, Licence or Test Report and any related testing. Intertek assumes no liability to any parties other than those with which it has an agreement and then only in accordance with the agreed Terms and Conditions.

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The holder of an ASTA Licence may claim in Trade Journals, Catalogues, Technical Articles etc., and without the prior approval of Intertek that the product identified in an ASTA Licence is ASTA Approved.

To minimise the possibility of any misunderstanding such claims must clearly identify the product(s) certified or approved, the ratings verified by ASTA and the Standard against which certification/approval has been made.

Any other use of the Intertek or ASTA names must first be approved in writing by Intertek. Test results and ratings proven by testing included in ASTA Certificates and ASTA Test Reports relate specifically to the sample(s) tested.

Types of ASTA Certificates

Certificates are issued when samples of a particular product design have been tested satisfactorily against the requirements of a National, European, International or ASTA Standard. Several forms of Certificate are available, including:

Certificate of Complete Compliance

Verifies compliance with all the requirements of a Standard

Certificate of Type/Verification Tests

Verifies complete series of type/verification tests prescribed in a Standard has been made successfully.

Certificate of Selected Type/Verification Tests

Verifies specified type/verification tests have been made successfully

Supplementary Certificate

Extends the scope of an existing Certificate to cover changes in rating or in design

ASTA Test Report

An ASTA Test Report is issued when tests otherwise satisfactory cannot be included in a Certificate for one or more reasons, e.g. verification of non-standard ratings

ASTA Licences and ASTA Diamond Mark

The use of the ASTA Diamond Mark on products is authorised by an ASTA Licence. Products covered by an ASTA Licence can be referred to as ASTA Approved. Requirements for ASTA Licences include testing for full compliance with relevant standards and satisfactory, on-going assessment of production. Validity and use of ASTA Licences are subject to compliance with Intertek ASTA & BEAB Marks Certification Regulations.

Authenticity

Authenticity of any ASTA document can be confirmed by contacting Intertek's Rugby office, telephone +44 1788 578435 or asta@intertek.com

Approved sites for manufacture/production:**Conditions for maintenance of Licence:**

- 1) Compliance with Certification Regulations.
- 2) Inspection of manufacturing facilities each year with satisfactory outcome.
- 3) Surveillance testing of production samples at required intervals with satisfactory outcome.
- 4) Satisfactory actions in the event of any compliance and/or safety issues becoming known after product has been supplied.
- 5) Prompt payment of invoices.

Licence Renewal:

Licence fee will be invoiced annually during the month of September.

The Licence document will be reissued following any changes advised or variants tested.

A fee may be charged for reissue.

Surveillance samples:

Samples are required to be tested in accordance with Intertek surveillance testing programmes.

Samples should preferably be selected during scheduled Factory inspection visits.

The fee for testing will be invoiced at the time of testing. A summary of testing will be provided.

Use of the ASTA Mark:

The ASTA Mark may be used on the product and in marketing material relating to the product, as permitted by the Certification Regulations.

The Licence number should be marked on the product (mandatory on BS 1363 plugs, where feasible on other products) in a form agreed by Intertek, such as "Approved by ASTA Licence no. 443".

Marketing of product with alternative designation(s) or brand name(s):

This Licence relates only to products specifically described herein. Any alternative designations and/or brand names should be advised to Intertek. The Licence will then be reissued accordingly. Alternative brand names (if applicable) are shown on an Annex to this Licence.

Compliance Testing:

Reason for test	ASTA certificate/reference
Complete compliance	13470
Modification – alternative cords	S13712
Complete compliance	14358
Complete compliance	15762
Complete compliance	17220
Complete compliance	17889
Modification – alternative site (Vietnam)	(65279)
Complete compliance (IS-15B)	17977
Complete compliance (IS-010)	18221

Approved components and cords:
Flexible cords: IS-010

Cores		Code	Cable Manufacturer	ASTA Certificate	Remarks
No	CSA mm ²				
3	0.75	H05VV-F	I-Sheng		
3	1.00	H05VV-F	I-Sheng		

Flexible cords: IS-14, IS-15 & IS-17

Cores		Code	Cable Manufacturer	ASTA Certificate	Remarks
No	CSA mm ²				
3	0.75	(H)05VV-F	Boahing	17889	
3	1.00	(H)05VV-F	Boahing	17889	
3	0.75	H05VV-F	I-Sheng	13470	HD21.1 S2, HD 21.2 S2, HD 21.5 S2
3	1.00	H05VV-F	I-Sheng	13470	HD21.1 S2, HD 21.2 S2, HD 21.5 S2
3	1.50	H05VV-F	I-Sheng	14358	NF C 32-201 add.1 01/01/87
3	0.75	05VA5V-F	I-Sheng	S13712	DIN VDE 0281 Teil 1: 1985-04 and Teil 5: 1995-07, 05VA5V-F Aluminium foil screen & earth drain wire
3	1.00	05VA5V-F	I-Sheng	S13712	DIN VDE 0281 Teil 1: 1985-04 and Teil 5: 1995-07, 05VA5V-F Aluminium foil screen & earth drain wire
3	0.75	H05Z1Z1-F	I-Sheng	17220	
3	1.00	H05Z1Z1-F	I-Sheng	17220	
3	1.50	H05Z1Z-1F	I-Sheng	17220	

Flexible cords: IS-15B

Cores			Cable	ASTA	
No	CSA mm ²	Code	Manufacturer	Certificate	Remarks
3	0.75	H05VV-F	I-Sheng	17977	
3	1.00	H05VV-F	I-Sheng	17977	

Approved materials: IS-010, IS-14, IS-15 & IS-17

Component	Part number/material/type	Supplier
Insert	IS-14 (MI014000)	
	PA66, 1300S (E48285)	
Overmould	IS-TPE01	Men Wai Plastic (Shenzhen) Co., Ltd Dongguan Tai Tung Electric Wire Co., Ltd
	UL E204374 HB, V-0 / 8080	
	QMFZ2.E226994HB (PVC TT-01) UL E251316	
Terminal	Copper / GEM : 98740	Dongguan Gem Electronic & Metal Co., Ltd

Approved materials: IS-15B

Component	Part number/material/type	Supplier
Insert	Inner: PA66, Type A0520FN	Ginar Technology Co., Ltd
	Outer: PBT, Type PBT301-G20	Dongguan Best Plastic Co., Ltd
Overmould	PVC, Type QMFZ2. E226994	Dongguan Tai Tung
	QMFZ2.E226994HB (PVC TT-01)	Dongguan Tai Tung Electric Wire Co., Ltd
	UL E251316	
Terminal	KC 322106	Dongguan Smart Man Metal Plating Co., Ltd