



Datasheet

RS PRO 2m Power Cable

Stock No: **901-0756**



CONTENT

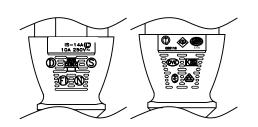
- 1. Finished Production Drawing
- 2. Plug Drawing
- 3. Connector Drawing
- 4. Product Specification
- 5. Characteristic
- 6. Safety Certification

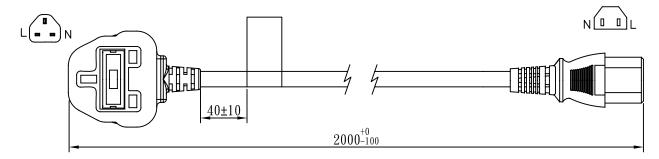






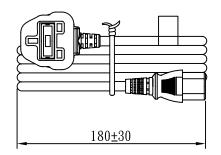






No	BOM ITEM	Q' TY	P/N
1	SP-62 NICKEL INSERT	1 pcs	MB062012
2	FUSE 10A	1 pcs	KFB0010A
3	SP-63 FIRE WIRE TERMINAL	1 pcs	BEN63L00
4	SP-62 FUSE COVER	1 pcs	MI0622RA
5	SP-62 INNER BODY	1 pcs	MI062002
6	PVC 45P (SA87, SP-62)	40 g	RPP04512
7	KPR-14 BLADE	2 pcs	BBB14000
8	IS-14A INNER BODY	1 set	MI014A00
9	PVC 45P (SA87, IS-14A)	22 g	RPP04512
10	PE TIE (BLACK,6 inch)	1 pcs	KBB10006
11	LABEL 10A	1 pcs	KLC10010



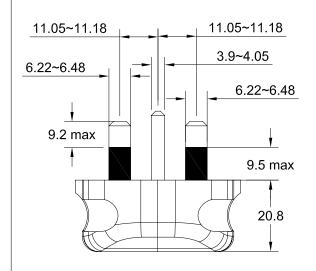


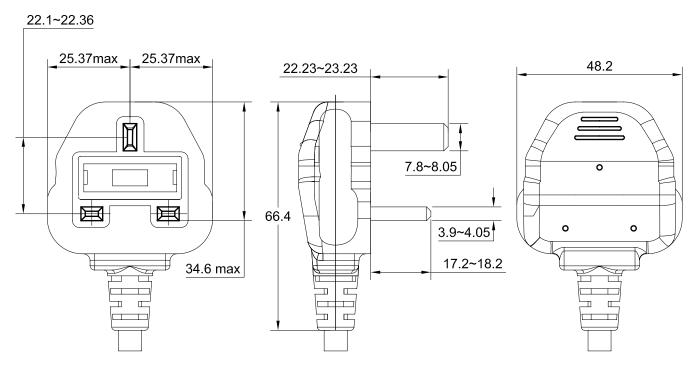
WIRING COLOR:

N: Blue L: Brown

LENGED ON CORD: (202-14)

CA	ABLE	H05VVH2-F 2x0.75 四 CT-12 (BLACK)								
P	LUG	UG SP-62 + IS-14A (10A) LENGTH 1950		1950			UNIT	mm		
CLIENT	NAME	First co	nnectivity	N/W		0.17	057	3	UNIT	kg
ENT	P/N			SG DW	IG	SR-141	586	-21	VER.	A
						Design.	by	賀艷	紅(2014.	06.30)
						Review.	by	朱曉	玲(2014.	06.30)
					9	Approval	. by	周德	雲(2014	. 07. 01)
		364 (3B2013	12	19)5 (00			



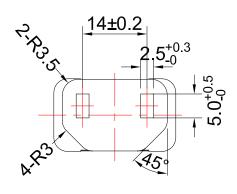


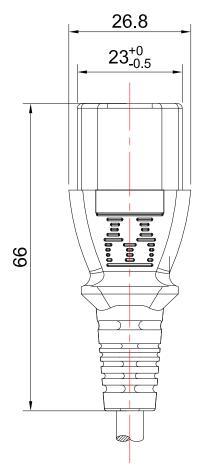


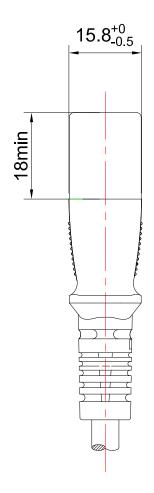
DWG. NAME	TYPE AND DIMENSIONS					
APPLY TO STANDARD	UK PSB APPROVAL POWER SUPPLY CORD			TOLERANCE		
ISSUE DATE	2000/01/07	REV.	С			
REVISE DATE	2009/07/20	UNIT	mm	< 1.0 ±0.3		
TYPE	SP-62	DWG. NO.	A62-1			
WIRE	H05VV-F(0.75~1.0/3),H03V	'V-F,(0.75/3),05VA	5V-F(0.75~1.0/3)	\leq 10.0 ±0.5		
		DESIGN BY	Fanny Wang	< 20.0 ±1.0		
		REVIEW BY	Gerry Lai			
	S _P	APPROVE BY	Ryan Lai	> 20.0 ±2.0		

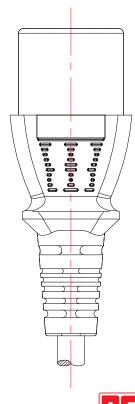
MARKING

ISSUDE 2008.04.07	STD. NAME	ASTA APPROVAL POWER SUPPLY CORD	FILE NO. A62-07-7
REVISED A	CAT NO.	SP-62 成品標識示意圖	PAGE 1
	SP-62 SS145/A BS1363/A	可更換年份可更換月份	FUSED
		D. by WENDY C. by BOBOA	AN A. by YUN







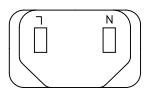


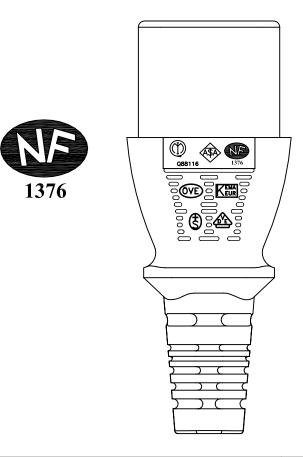


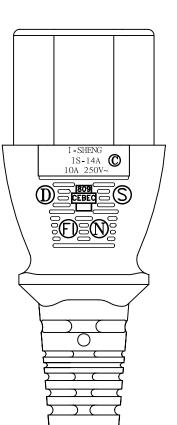
DWG. NAME	TYPE AND DIMENSI	TYPE AND DIMENSIONS					
APPLY TO STANDARD	EUROPE APPROVA	EUROPE APPROVAL POWER SUPPLY CORD			DLERA	ANCE	
ISSUE DATE	2010/02/02	REV.	Α				
REVISE DATE		UNIT	mm		1.0	±0.3	
TYPE	IS-14A	DWG. NO.	L4A-04		40.0	10 E	
WIRE	H05VV-F 0.75~1.5/30	C, H05VVH2-F 0.75~1.0/	2C		\leq 10.0 \pm 0.		
		DESIGN BY	FANNY WANG		20.0	±1.0	
		REVIEW BY	GERRY LAI	<u> </u>			
		APPROVE BY	RYAN LAI		20.0	±2.0	

MARKING

ISSUDE 2005.05.26	STD. NAME	ASTA APPROVAL POWER SUPPLY CORD	FILE NO. L4A-07-2
REVISED	CATE NO	IS-14A	PAGE
A	CAT NO.	成品標識示意圖	1









D. by BELLA C. by BOBOAN A. by YUN

SPECIFICATION

Rev. 1.0

Issued	2013/8/14	Description	File No.	B646B2013
Revised		SP-62+IS-14A	Page	1/1
TC v ISCU		H05VVH2-F 2X0.75mm ²	1 age	1/1

1. Scope:

This specification is applied to power supply cord conforming to:

BS 1363-1 IEC 60227 IEC 60320-1

2. Construction and dimensions:

In accordance with the following tables and attached drawings.

Ttorre	Cat Na	Rat	ing	A mayored No	
Item	Cat. No.	А	V		Approved No.
Plug	SP-62	10	250	856	CPA SPN PLR 070418-00
Connector	IS-14A	10	250	765	
FUSE		10		658	

Flexible cord					H05VVH2-F 2X0.75mm ²			
Approv	red No.				As attac	hment		
Rating					300/500	V 70°C		
Conductor Insulation			Jacket		Conductor Resistance			
Nominal (mm²)	Composition (pcs/mm)	Avg. Thickness (mm)	Min Thickness (mm)	Diameter (mm)	Avg. Thickness (mm)	Min Thickness (mm)	Diameter	Max 26Ω/km at 20°C In case of dispute, Conductor resistance shall
0.75	24/ § 0.20+0,-0.015	0.6	0.44	\$ 2.35±0.1	0.8	0.58	\$ 4.0±0.15 x6.4±0.2	be the referee method.
I	PVC Insulation							Insulation Color
1 v C Insulation						Blue		
Copper Conductor —>					PVC Jac	cket	Brown	
	pper conductor							

3. Cable marking on the sheath:

Shenzhen:

SGIS ◀VDE▶KEMA-KEUR +40 +40 +40 → ₫VE▶ △CEBEC 809 © ® ® ® NF-USE 1346 IEMMEQU H05VVH2-F 2X0.75mm² 60227 IEC 53 RVV 300/500V Œ A003083 2LSF/75 4V-75 V-75(75°C) 250/440V ORDINARY DUTY Q88228 -LF- €



Kunshan:

發行 ISSUED 2000.03.05	標準名稱 STD.NAME	SPECIFICATION	檔案編號 FILE NO
修訂 REVISED	題目	THE CHARACTERISTIC OF POWER SUPPLY CORD	SPEC-U.K.
2011.01.03	TITLE	FOR U.K.	01 20 0.11

	Items 項目	Conditions 條件	Specification 規格
1		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 $5M\Omega$
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	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 \pm 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.

PRO

發行 ISSUED 2000.03.05	標準名稱 STD.NAME	SPECIFICATION	檔案編號 FILE NO
修訂 REVISED	題目	THE CHARACTERISTIC OF POWER SUPPLY CORD	SPEC-U.K.
2011.01.03	TITLE	FOR U.K.	51 LO 0.1K.

	Items	<u> </u>		Conditi	0.00.0			Specification
	項目			條件				Specification 規格
6	Flexing test	The osc	cillating member			rds and fo	rwards	After the test the
	居曲強度		n an angle of 45°					sample shall show no
			r of flexings being					damage except that
			ens with circular					breakage of no more
		_	1 90° in the oscilla	-				than 10% of the total
			ens with flat flexi					number of conductor strands in any core is
		conduc		o me pia	ne contai	ining the a	ixes of the	ignored provided they
			g is one movement the	rough 90°,	either back	wards or for	wards)	have not pierced the
					04:1	Furthermo		insulation.
			Load Weight (g)	Angle	Optional direction		Rate of flexing per	
				$\theta(\bar{0})$	(turns)	direction	min (turns)	
			0.75 mm 2 \downarrow			(turns)		-
		plug	1020(10N)	45	10000	5000	60	
		piug	1.0mm ² ↑ 2040(20N)	43	10000	3000	00	
			$0.75 \text{mm}^2 \downarrow$					-
		connect	1020g(10N)	45	20000	10000	60	
		or	$1.0 \text{mm}^2 \uparrow$ $2040 \text{g} (20 \text{N})$					
			20.08(2011)			I	<u> </u>	†
				Device to the samp	or fixing le			
						/>x		
					113			
				48°	48.	/		
			Specimen			<u> </u>		
						ž.		
				1				
				300 min.				
			;	8				
				<u>+</u>	٦			
				Mass				
7	Resistance to Aging		nperature in the c		_			After this test, the
	老化試驗		ens are kept in the					specimen shall show
			ne treatment the sand kept at norm					no damage.
			ty for at least 4h;		-			
			f rough cloth is p					
		of 4.9-			- F			
	<u> </u>	İ						

PRO

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 TITLF	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	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. 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. 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	impairing its further use and the entry holes for the pins shall not show any serious
9	Normal Operation 正常操作	connectors and 0.6±0.05 for other connectors 0,2 A connectors and the appliance inlet are connected and disconnected 2 000 times (4 000 strokes) without current flowing. 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.	specimen can withstand the electric strength test with the
10	Temperature rise 溫昇	Non-rewirable plugs were tested with 1,000mm of cord as supplied. The tests shall be carried out at rated voltage +10 %, – 20 %. The test duration 4h minimum 8h maximum. Measurement point Temperature rise k Line Terminal 52k Neutral Terminal 52k	The temperature rising shall not exceed which is listed left.
11	Bending strength of connector body 本體機械強度	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. SAMPLE FOR TESTING UNIT:mm W	



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 TITLF	THE CHARACTERISTIC OF POWER SUPPLY CORD FOR U.K.	SPEC-U.K.

	Items 項目			nditions 條件		Specification 規格
te	all pressure st 定壓測試	horizontal position such that a force of	ace of the p n and the a of 20N is a sample is	part to be to paratus in pparatus in pplied; Africooled down	ested is placed in the s placed on this surface ter 60+1min, the ball is wn by immersion for at	and shall not exceed 2
	/ithdrawal force 拔力	from the approprisinserted for a prinequal to one-tenth specified in the tasupplementary. Verification of the The test pin gauge contact with the c	e minimume is applied ontact axes	the full de ce inlet 10 is such the ximum withall be many withdraw I to each ir s vertical a total mass of	epth into and withdrawn of times. It is then again at it exerts a force thdrawal force and in one piece and a ral force addividual connector and the gauge hanging of the gauge shall be	
		Type of connector 0.2A 2.5A 6A 10A	Multi-pi Max 50 (5.1) 60 (6.1)		awal force (kg) Single-pin gauge minimum 1.5 (0.15)	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.





ASTA Licence



This Licence authorises use of the

ASTA Diamond Mark

Licence No. 856

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.

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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)

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

UKAS
PRODUCT
CERTIFICATION

010

R W Hayward

Name

Signature

18th October 2013

Date







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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





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





ASTA Licence No. 856, Endorsement 2 of 3

Product: Fused Plug Designation: SP-62

Compliance Testing:

Description to the fact of	ACTA C-455-4-
Reason for test	ASTA Certificate
Complete compliance	16850
Modification – alternative colours	S17177
Modification – alternative material (Halogen free) + upgrade to	S17270
Amendment No. 3 of BS 1363	
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	(Cores		Cable	ASTA	
Amperes	No	CSA mm ²	Code	Manufacturer	Certificate	Remarks
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	3	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		\$17800	
6	2	0.75	H05Z1Z1H2-F		S17270	
6	2	0.75	H03Z1Z1H2-F		S17270	

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

Contact: asta@intertek.com

Website: www.intertek.com



ASTA Licence No. 856, Endorsement 3 of 3

Product: Fused Plug Designation: SP-62

Plug insert:

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

Overmould material:

Material	Supplier
IS-TPE01	
(Halogen free)	
UL E204374	
HB, V-0 / 8080	
UL E226994	
HB, V-0 / TT-01	(811 92.92.9
UL e251316	
V-0 / IS=PVC02	

Endorsement to ASTA Licence 856 issue number: 20 dated 18th October 2013
Contact: asta@intertek.com
Website: www.intertek.com

SINGAPORE CONSUMER PROTECTION (SAFETY REQUIREMENTS) REGISTRATION SCHEME

THE SINGAPORE CONSUMER PROTECTION (SAFETY REQUIREMENTS) REGISTRATION SCHEME

Certificate of Conformity (COC)



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

Date of Certification

24/7/2007 23/7/2016

Date of Expiry Certificate Number

G CPA SPN PLR 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 2002:

Description of Controlled Goods

13A non-rewirable 3-pin mains plug

Trade Name

Model Number

: SP-62

Country where controlled goods are 🕴 CHINA

likely to be manufactured

Test Report Number

55S071133/MLM/PKS

Testing Laboratory

TUV SUD PSB Pte Ltd

Tested according to

SS 145: Part 1: 1997

KRIEGSMAN TAN for SAFETY AUTHORITY

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



This Licence authorises use of the

ASTA Diamond Mark

Licence No. 658

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) **Product:**

General Purpose Fuse Links for Domestic & Similar Purposes

TDC 180

Designation: 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

U K A S
PRODUCT
CERTIFICATION

010

R W Hayward

Name

Signature

16th October 2012

Date







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





ASTA Licence No. 658, Endorsement 1 of 2

Product: General Purpose Fuse Links for Domestic & Similar Purposes

Designation: TDC 180

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.

Endorsement to ASTA Licence 658 issue number: 3 dated 16th October 2012 Contact: asta@intertek.com Website: www.intertek.com





ASTA Licence No. 658, Endorsement 2 of 2

Product: General Purpose Fuse Links for Domestic & Similar Purposes Designation: TDC 180

Compliance Testing:

ASTA certificate
14849
14889
14890
S14854
S14822
S14892
S14893
S15264
S15020
15611
15876
15877
15878
15905
15953
16378
16439
16761
16762
18465



Endorsement to ASTA Licence 658 issue number: 3 dated 16th October 2012 Contact: <u>asta@intertek.com</u> Website: www.intertek.com



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

Aktenzeichen: 1276300-1550-0002 / 145959

File ref.:

Ausweis-Nr. 40032698 Certificate No.

Blatt 1
Page

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

Offenbach, 2011-06-09

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

VDE Prüf- und Zertifizierungsinstitut GmbH

VDE Testing and Certification Institute

Zertifizierungsstelle / Certification

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





Ausweis-Nr. / Blatt / Certificate No. page 40032698 2

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

Aktenzeichen / File ref. 1276300-1550-0002 / 145959 / FG31 / E

Datum / Date 2011-06-09

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40032698 This supplement is only valid in conjunction with page 1 of the Certificate No. 40032698.

Gerätesteckdose, nicht-wiederanschließbar Connector, non-rewirable

Typ(en) / Type(s):

IS-14A

Bemessungsspannung

Rated voltage

AC 250 V

Bemessungsstrom

Rated current

10 A

Polzahl 2-polig ohne Schutzkontakt
Number of poles 2-pole without earthing contact

Bauart Normblatt C17

Kind of construction standard sheet C17

Kennzeichnung der 30006550: "C" Fertigungsstätte(n) 30006554: "K"

Marking of

manufacturingplace(s)

Produktinformation siehe Anlage Nr. 100 + 900
Product information see Appendix No. 100 + 900

PAK Das Produkt entspricht den Anforderungen gemäß PAK-Dokument

ZEK 01.2-08.

PAH The product is in accordance with the requirements of

PAH-document ZEK 01.2-08.

Fortsetzung siehe Blatt 3 / continued on page 3

VDE Prüf- und Zertifizierungsinstitut GmbH * Testing and Certification Institute

Ausweis-Nr. / Blatt / Certificate No. page 40032698 3

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

Aktenzeichen / File ref. 1276300-1550-0002 / 145959 / FG31 / E

Datum / Date 2011-06-09

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40032698 This supplement is only valid in conjunction with page 1 of the Certificate No. 40032698.

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 FG31 Section FG31



Ausweis-Nr. / Certificate No. 40032698

Beiblatt / Supplement

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

Aktenzeichen / File ref. 1276300-1550-0002 / 145959 / FG31 / E Datum / Date 2011-06-09

Dieses Beiblatt ist Bestandteil des Zeichengenehmigungsausweises Nr. 40032698. This supplement is part of the Certificate No. 40032698.

Gerätesteckdose, nicht-wiederanschließbar Connector, non-rewirable

Fertigungsstätte(n)

Place(s) of manufacture

Referenz/Reference 30006550

Referenz/Reference 30006554

VDE Prüf- und Zertifizierungsinstitut GmbH VDE Testing and Certification Institute Fachgebiet FG31 Section FG31



Ausweis-Nr. / Infoblatt / Certificate No. Info sheet 40032698

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

Aktenzeichen / File ref. 1276300-1550-0002 / 145959 / FG31 / E Datum / Date 2011-06-09

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40032698 This supplement is only valid in conjunction with page 1 of the Certificate No. 40032698.

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. 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. 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.







Aktenzeichen: File reference: 1276300-1550-0002/145959 Ausweis-Nr.: Certificate No.: 40032698 Anlage Nr.: Appendix No.: 100 Seite: Page: 1/1 Datum: *Date:* 2011-06-09

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

zentrale Leitungseinführung

Gerätesteckdose, nicht-wiederanschließbar

Fertigungsstätte / Place of manufacture: Connector, non-rewirable 30006550: 2-polig ohne Schutzkontakt
2-pole without earthing contact Kennzeichnung / Identification: 3 straight cable entry

Werkstoff der Umspritzung: *Material of the moulding:*

Typ; Farbe *Type; colour*

PVC; alle Farben / all colours

30006554:

Kennzeichnung / Identification:

Typ; Hersteller; Farbe
Type; manufacturer; colour

Type; manufacturer Typ; Hersteller

ł

ASAHI Chemical

PA66 Typ(e) 1300S; weiß / white

Inneneinsatz:

Material of the base: Werkstoff der Trägerteile:

IS-14A	IS-14A	Typ(en) Leitungsaufdruck Type(s) Marking on cable	
		Leitungsaufdruck <i>Marking on cable</i>	
ī	1	H05VVH2-F 2x 0,75 mm² (max. 2 m)	×
ı	ī	H05VVH2-F 2x 1,0 mm ²	\dashv
×	×	H05VV-F 2x 0,75 mm² (max. 2 m)	≜ genehmigte Ausf
1	1	H05VV-F 2x 1,0 mm ²	hmigt
1	1	H05VV-F 2x 1,5 mm ²	e Aus
ı	ı	H05RR-F 2x 0,75 mm² (max. 2 m)	führu
ı	ı	H05RR-F 2x 1,0 mm ²	ührung / approved version
ı	ı	H05RR-F 2x 1,5 mm ²	appro
I	ı	H05RN-F 2x 0,75 mm² (max. 2 m)	oved i
I	ı	H05RN-F 2x 1,0 mm ²	ersio/
i	i	H05V2V2-F 2x 0,75 mm² (max. 2 m)	3
ı	1	H05V2V2-F 2x 1,0 mm ²	
i	i		
I	I		≜ nicht genehmigt / not approved
i	i		ıt gen
I	<u> </u>		ehmi
1	1		gt / r
1	1		not ap
 	 		prove
1	 		ğ



VDE

KEMA Quality

CERTIFICATE

Number:

2137057.02

Issued to: Applicant:



Manufacturer/Licensee:

Product

appliance connectors; (2-pole)

Trade name

Type(s)/model(s): IS-14A, IS-14AH

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

KEMA Quality 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 Quality 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: 20 July 2010 and expires upon withdrawal of one of the above mentioned standards.

KEMA Quality B.V.

drs. G.J. Zoetbrood Managing Director

H.L. Schendstok Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE DUTCH COUNCIL FOR ACCREDITATION





ANNEX TO KEMA-KEUR CERTIFICATE 2137057.02

page 1 of 2

SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

product : appliance connectors; (2-pole)

trade name

type : IS-14A, IS-14AH

rated current : 10 A
rated voltage : 250 V~
standard sheet : C17
temperature limit : T70

design : non-rewirable cord termination : crimped connection

description : body of thermoplastic material as part of an complete cord

set for class II appliances

markings : are shown on the body

Product data - type IS-14A

applied flexible cord(s) : H05VV-F 2x0,75 and 2x1,0 mm²

H05VVH2-F 2x0,75 mm²

certification mark : complies with the specified requirements

Product data - type IS-14AH

applied flexible cord : H05Z1Z1-F 2x0,75 mm²

certification mark : complies with the specified requirements

TESTS

Test requirements

EN 60320-1:2001 + A1:2007

Test result

The test results are laid down in KEMA Quality test file 2137057.02.

Remarks

This certificate replaces our certificate 2131715.01 and is based on the FIMKO CB Test Certificate FI-5897/M1





ANNEX TO KEMA-KEUR CERTIFICATE 2137057.02

page 2 of 2

Conclusion

The examination proved that all test requirements were met.

Tested by

: FIMKO

Checked by

: T.J. Overklift Vaupel Kleyn

Factory locations





LICENCE

No. 16451 replaces No.13243

Issued to: Applicant:



Licensee:

Product

connectors (2-pole) for class II appliances

Trade name(s)

Type(s)/model(s)

IS-14A

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:

04/01/2010

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 II appliances

Trade name(s)

Type(s)/Model(s)

rated current (In) : 10 A

rated voltage (Un) : 250 Vac

standard sheet : C17

earthing : without earthing contact

temperature limit (t max) : cold conditions

design : non-rewirable

applied flexible cord(s) : H05 VV-F 2x0.75-1 mm²

H05 VVH2-F 2x0.75 mm²

certification mark : complies with the requirements

cord(s) termination : crimped connection

description : body of thermoplastic material as part of an incomplete cord

set for class II appliances

markings : are shown on the body

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.586778/01

Remarks

This certificate is based on certificate ref. CB FI 5897 and test report(s) ref. 255899-1









Conclusion

The examination proved that all test requirements were met.

Checked by, project leader

Zanutto Luigi - 04/01/2010

Department Manager,

Product Certification

Certification Manager





ANNEX TO CEBEC LICENCE No. 16451 Page 3 of 3

FACTORY LOCATION(S)



DEMKO CERTIFICATE

Certificate No. 315131-02

Page 1/3

Date of Issue 2010-08-20

Certificate Holder

Manufacturer

Production site See appendix

Certified Product Connector, non-rewirable

Model See appendix

Trademark

Rated Voltage / Frequency 250 $V\sim$

Rated Current / Power 10 A

Insulation Class -

Degree of protection (IP) 20

Tested acc. to EN 60320-1:2001 +A1:2007

Test Report No. -

Additional Standard sheet C17

Expire date 2014-10-07



Certification Manager

Jan-Erik Storgaard

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

or for cables aDEMKDb, for the products listed on the certificate and manufactured at the product on 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.

Certification Body

UL International Demko A/S, Lyskaer 8, P.O. Box 514, DK-2730 Herlev, Denmark, Tel. +45 44 85 65 65, info.dk@dk.ul.com www.ul-europe.com



Appendix DEMKO CERTIFICATE

Certificate No. 315131-02

Page 2/3

Date of Issue 2010-08-20

Model and Technical information

IS-14A, with cord H05VV-F 2x0.75-1 mm² IS-14A, with cord H05VVH2-F 2x0.75 mm² IS-14AH, with cord H05Z1Z1-F 2x0.75 mm²

Production Site:

This certificate replaces the certificate No. 315131-01, dated 2009-10-12.

UL International Demko A/S has issued a new certificate due to added new model

The certificate has been issued on the basis of Nordic certification Service, certificate No. FI 25306 M1, issued by SGS Fimko Ltd., dated 2010-06-24



Certification Body

UL International Demko A/S, Lyskaer 8, P.O. Box 514, DK-2730 Herlev, Denmark, Tel. +45 44 85 65 65, info.dk@dk.ul.com www.ul-europe.com



Appendix DEMKO Certificate

Certification Mark D-mark
Certificate No. 315131-02

Page 3/3

Date of Issue 2010-08-20





Certification Body

UL International Demko A/S, Lyskaer 8, P.O. Box 514, DK-2730 Herlev, Denmark, Tel. +45 44 85 65 65, info.dk@dk.ul.com www.ul-europe.com



Certificate

for European Product Safety

Reference No. 914038

Connector

Type designation

IS-14A

Certificate holder

d.

The product complies with

the standard(s)

EN 60320-1:2001 +A1

Date of expiry

16 October 2014

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

Date

16 October 2009 Page 1 of 3

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





Reference No. 914038

Technical data

Type designation

Rated voltage (V)

Rated current (A)

IP-Class

Type of cord

Standard sheet

Brand name:

Product information

IS-14A

250V~

10A

IP20

H05VV-F 2X0,75-1mm²

H05VVH2-F 2X0,75mm²

C17

I-SHENG

Non-rewirable.

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. M Page 2 of 3





Reference No. 914038

This certificate is based on a certificate with ref. No. NCS/FI 25306 dated 7 October 2009, issued by SGS FIMKO LTD according to the Nordic Certification Service Agreement.

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

Certification Body

Intertek Semko AB, Product Certification

Place Kista - Stockholm

Signed

po pres (C Bo Berglot

Date

16 October 2009



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.

Page 3 of 3



CERTIFICATE

No. P09211348



Order No. 136770 Accredited Certificate (ref. NA-PROD 001) Page 1/2

Product **Applicant** Connector

Manufacturer

Factory

⊠ See page 2

Ratings

10A 250V AC

Trade mark

Model / Type Ref.

IS-14A

Principal characteristics

Non-rewirable connector for Class II equipment, with cord H05VV-F

2x0.75-1mm². Standard Sheet C17. 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

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 14-10-2009

+ 47 22 96 05 50

en Clorth Geir Hørthe

Certification Department

Nemko AS Office address Internet Telephone Fax P.O. Box 73, Blindern Gaustadalléen 30 +47 22 96 03 30

www.nemko.com Enterprise number: NO 974404532 Oslo

N-0314 Oslo, Norway



CERTIFICATE





Order No. 136770 Accredited Certificate (ref. NA-PROD 001) Page 2/2

Product Connector

Pos. No 1

IS-14A Model / Type Ref.

Trade mark (if different from page 1)

Rating 10A 250V AC

Principal characteristics Non-rewirable connector for Class II equipment, with cord H05VVH2-F

2x0.75mm². Standard Sheet C17. IP20

Factories:

Signature Geir Hørthe

Certification Department

N-0314 Oslo, Norway

Nemko AS Office address P.O. Box 73, Blindern Gaustadalléen 30

Oslo

Internet www.nemko.com Telephone

Fax

+47 22 96 03 30

+ 47 22 96 05 50

Enterprise number: NO 974404532

Date of issue 14-10-2009



CERTIFICATE NCS/FI 25306

Our Ref.

255899-1

Product

Connector, non-rewirable

Type

IS-14A, with cord H05VV-F 2X0,75-1 IS-14A, with cord H05VVH2-F 2X0,75

Trade mark

Certificate Holder/ Manufacturer

Technical information

10 A, 250 V~, IP20

Other information

Standard sheet C17

The product is certified according to the following standard(s)

EN 60320-1:2001 + A1:2007

Validity

This certificate is valid until 07 October 2014 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 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 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 the certificate.

Date of issue

07 October 2009

SGS Fimko Ltd

Signature

Sixten Lökfors **Project Manager**



This certificate is issued by the company under its General Conditions for Certification Services accessible at www.sgs.com/terms and conditions, https://www.sgs.com/terms and <a href="https://www.s or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



Appendix to Certificate: 25306

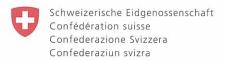
Manufacturing site(s)

Additional information

The product has certificate FI 5897 issued by SGS Fimko Ltd in accordance with the CB -system.

This certificate replaces previous FI certificate No. 19637 A1 dated 25 October 2005, due added Manufacturing site and updated standard.





Federal Inspectorate for Heavy Current Installations ESTI Market Surveillance/Authorization of the Safety Mark

Swiss Confederation

Client no. 1451 Your ref. Kelly Chien Our Ref. Ts Date 2013/07/02

Authorization

Number: valid until:

13.0475 2016/07/13

Marking:

(\$)

Company-Logo

Based on the documents contained in file **09-BS-0513** 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:

Type designation:

Nominal values:

IS-14A

250V~ 10A L+N standard sheet C17

with non-rewirable cords: H05VVH2-F 2x0.75mm² H05VV-F 2x0.75mm²

H05VV-F

2x0.75mm² | 2x1.00mm²

IS-14AH

250V~ 10A L+N standard sheet C17 with non-rewirable cords: H05Z1Z1-F 2x0.75mm²

Protection class:

for class II equipment

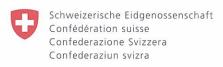
Protection degree:

ordinary





Federal Inspectorate for Heavy Current Installations ESTI Luppmenstrasse 1, CH-8320 Fehraltorf Phone +41 44 956 12 12, Fax +41 44 956 12 22 mub.bs.info@esti.ch www.esti.admin.ch



Swiss Confederation

Basis:

Authorization Number: 13.0475

CB / SGS FIMKO / FI 5897 M1 dated 2010/06/24

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



Page

AUSTRIAN ELECTROTECHNICAL ASSOCIATION

1010 Wien, Eschenbachgasse 9 ZVR: 327279890 DVR: 1055887

Testing & Certification

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

Fax: +43 1 370 58 06-199



Page 1 of 3



including the entitlement to use the Austrian Safety Mark



Certificate No.: **8556-026-06** Valid from: 2013 07 15

until: 2015 07 15

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 II 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). **2706**, **1809-1212/03-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

Email=w martin@ove.at
Dipl.-Ing. W. Martin

OVE - Testing & Certification

Vienna, 2013 04 10

Accredited by the Austrian Ministry of Economy, Family and Youth as Certification Body for products and processes in the field of electrical and electronic engineering, including safety and EMC





Certificate No.: 8556-026-06 Date: 2013 04 10 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 II appliances with cord

Type designation: Rating:

Trademark:

IS-14A

Rated voltage: AC 250 V Rated current: 10 A H05VV-F 2 X 0,75



OVE - Testing & Certification

Accredited by the Austrian Ministry of Economy, Family and Youth as Certification Body for products and processes in the field of electrical and electronic engineering, including safety and EMC





Certificate No.: 8556-026-06 Date: 2013 04 10

Page 3 of 3

IS-14A

Rated voltage: AC 250 V Rated current: 10 A H05VV-F 2 X 1

IS-14A

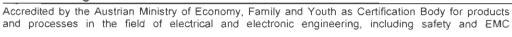
Rated voltage: AC 250 V Rated current: 10 A H05VVH2-F 2 X 0,75

1S-14AH

Rated voltage: AC 250 V Rated current: 10 A H05Z1Z1-F 2 X 0,75









AQ S.p.A.

I-20138 Milano - via Quintiliano, 43 tel. 0250731(r.a.) - fax 0250991500 e-mail: info@imq.it - www.imq.it

Registro Imprese MI 12898410159 C.F./P.I.12898410159

Capitale Sociale € 4.000.000

CA02.01732

SN.D001C0

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

Prese di connettore indissolubilmente collegate al cavo (Rif. di tipo IS-14A; IS-14AH) for the following products

Non-rewirable connectors (Type ref. IS-14A; IS-14AH)

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:

2003-11-08

Data di aggiornamento | Updated on

2010-10-26

Sostituisce | Replaces

2010-03-17

Ma s.p.A.

I-20138 Milano - via Quintiliano, 43 tel. 0250731(r.a.) - fax 0250991500 e-mail: info@imq.it - www.imq.it

Registro Imprese MI 12898410159 C.F./P.I.12898410159 Capitale Sociale € 4.000.000

CA02.01732 SN.D001C0

Allegato - Certificato di approvazione Annex - Approval certificate

Emesso il | Issued on 2003-11-08 Data di aggiornamento | Updated on 2010-10-26 Sostituisce / Replaces 2010-03-17

Prodotto | Product

Prese di connettore indissolubilmente collegate al cavo Non-rewirable connectors

Concessionario | Licence Holder

Marchio I Mark



Costruito a | Manufactured at

98001046

CLISHE.C02LCISHE+2

98001045 95002261

CLISHE.C02LCISHE+1 CLISHE.C01LCISHE.C

PI.J00091

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

26LK00051

Caratteristiche tecniche | Technical characteristics

Designazione | Type designation 2P foglio C17 | 2P S.S. C17

Tensione nominale | Rated voltage 250 V

Corrente nominale | Rated current 10 A

Tipo di applicazione | Type of application fredda / for cold conditions

Tipo di morsetti / Type of terminals morsetti aggraffati / crimped connections

Materiale della custodia | Material of the cover termoplastico / thermoplastic

Uscita cavo | Cable exit assiale / straight

Articoli (con dettagli) | Articles (with details)

AR.DOO9JA

Marca | Trade mark

Riferimento di tipo | Type reference

Tipo di cavo | Type of cable H05VV-F

Sezione nominale | Section areas 2x0,75 mm²

AR.DOO9JE

Marca | Trade mark

Riferimento di tipo | Type reference

Tipo di cavo | Type of cable H05VV-F

Sezione nominale | Section areas 2x1 mm²

AR.DOO9JC



Registro Imprese MI 12898410159 C.F./P.I.12898410159 Capitale Sociale € 4.000.000

CA02.01732

SN.D001C0

I-20138 Milano - via Quintiliano, 43 tel. 0250731(r.a.) - fax 0250991500 e-mail: info@imq.it - www.imq.it

Marca | Trade mark Riferimento di tipo | Type reference Tipo di cavo | Type of cable H05VVH2-F Sezione nominale | Section areas 2x0,75 mm²

AR.KOOAS3

Marca | Trade mark Riferimento di tipo | Type reference Tipo di cavo | Type of cable H05Z1Z1-F Sezione nominale | Section areas 2x0,75 mm²

Ulteriori informazioni | Additional Information

(*) le prese di connettore rif. di tipo IS-14A e rif. di tipo IS-14AH, sono costruttivamente identiche. La lettera "H" indica il tipo di cavo, avente guaina "libera da alogeni". Le prese di connettore elencate, sono prodotte col seguente inserto: marca I-SHENG, art. IS-14, colore bianco. Inoltre, sono marcate con il seguente suffisso aggiuntivo che identifica il luogo di produzione:

(*) the non-rewirable connector type ref. IS-14A and type ref. IS-14AH, have the same construction. The letter "H" indicates only the halogen free cord H05Z1Z1-F.

The non-rewirable connector listed, are manufactured with the following insert: trade mark I-SHENG, art. IS-14, white colour.

Furthermore, they are marked with the following additional suffix which identifies the manufacturing location:

Componenti | Component List

Tipo Type	(*)	Costruttore Manufacturer	Riferimento Type Ref.	Dati Data	Norme Standard (*)	Marchi Marks
Cavo / Cable	2			H05VV-F	-	FIMKO
Cavo / Cable	2			H05VVH2-F	_	FIMKO
Cavo / Cable	2			H05Z1Z1-F	-	VDE

Emesso il | Issued on 2003-11-08 Data di aggiornamento | Updated on 2010-10-26 Sostituisce | Replaces 2010-03-17

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

- Componente marchiato e sostituibile con altro pure marchiato con caratteristiche equivalenti
- Componente sostituibile solo previa autorizzazione dell'IMO
- 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 colonns are filled in by IMQ





I-20138 Milano - via Quintiliano, 43 tel. 0250731(r.a.) - fax 0250991500 e-mail: info@imq.it - www.imq.it

Registro Imprese MI 12898410159 C.F./P.I.12898410159 Capitale Sociale € 4.000.000

CA02.01732

SN.D001C0

Diritti di concessione | Annual Fees

SN.D001C0

BTK.021100.DA19

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





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



LICENCE



LCIE Nº 600202

Délivrée à: Delivered to:

Site de fabrication:

Factory:

Voir en annexe 1

See in annex 1

Produit: Product: PRISE MOBILE DE CONNECTEUR

CONNECTOR

Marque commerciale (s'il y a lieu):

Trade mark (if any):

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

IS-14A, IS-14AH

. . .

Caractéristiques nominales et principales:

Rating and principal characteristics:

10A, 250V~

Informations complémentaires:

Additional informations:

Voir au verso / See overleaf

Ajout d'un modèle / Addition of model

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°FI 58 97 M1 / TR n°259852-1

Annule et remplace (s'il y a lieu):

Cancels and replaces (if necessary):

Licence n°592486 du 2009-12-23

En vertu de la présente décision notifiée par le LCIE France organisme mandaté, AFNOR Certification accorde le droit d'usage de la Marque NF à la société qui en est titulaire pour les produits visés ci-dessus, dans les conditions définies par les règles générales de la Marque NF et par les règles de certification NF, pour autant que les contrôles réguliers de la fabrication et les vérifications par tierce partie soient satisfaisants.

Fontenay-aux-Roses, 2010-07-13

Date limite de validité :

Limit expired date:

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.

On the strength of the present decision notified by LCIE France mandated certification body, AFNOR Certification grants the right to use the NF Mark to the licence holder for the above mentioned products, within the frame of the general rules of the NF Mark and of the NF certification rules, as far as the regular checking and third party verifications of the production are satisfactory.

Rémi HANOT





LCIE N°: 600202

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

Site de fabrication : Factory :







LCIE N°600202

CARACTÉRISTIQUES NOMINALES ET PRINCIPALES RATING AND PRINCIPAL CHARACTERISTICS

Modèle IS-14AH : câble sans halogène / halogen free cable

Classification

Feuille de norme / standard Sheet	C17
Courant nominal / rated current (A)	10A
Tension nominale / rated voltage (V)	250V
Degré de protection / degree of protection	IP20
Température maximale de la base des broches du socle de connecteur correspondant Maximum pin temperature at the base of the pins of the corresponding appliance inlet	prises mobiles pour conditions froides (température des broches ne dépassant pas 70 ℃) connectors for cold conditions (pin temperature not exceeding 70 ℃)
Type d'équipement à raccorder Type of equipment to be connected	prises mobiles pour matériels de la classe II connectors for class II equipment
Mode de raccordement du câble Method of connecting the cord	prises mobiles non démontables non-rewirable connectors

Câble / Cable

Modèle <i>Model</i>	Type du câble Type of cable	Fabricant <i>Manufacturer</i>	Conformité Conformity
IS-14A	H05VV-F 2x0,75 / 1		LCIE (NF-USE)
15-14/	H05VVH2-F 2x0,75		LCIE (NF-USE)
IS-14AH	H05Z1Z1-F 2x0,75	i i	VDE





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: 09/06/2018

Conditions of Approval: Alternative certification mark Q88116

B RUL R

DATE OF APPROVAL:02/04/2013 Page: (2/4) Director of Equipment Safety

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 3G0.75mmm ² /
	1.0mmm 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).

BRIL



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).



