



ENGLISH

**Datasheet**

# RS PRO 1.5m Power Cable

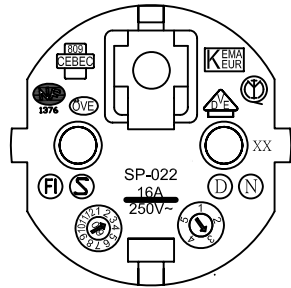
Stock No: 626-6767



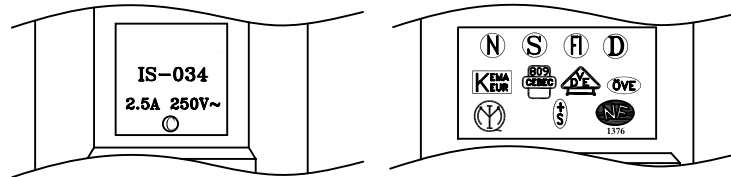
# CONTENT

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

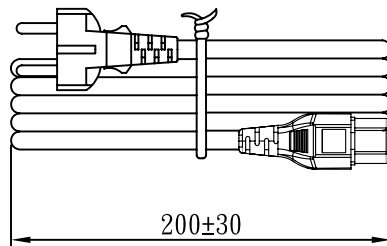
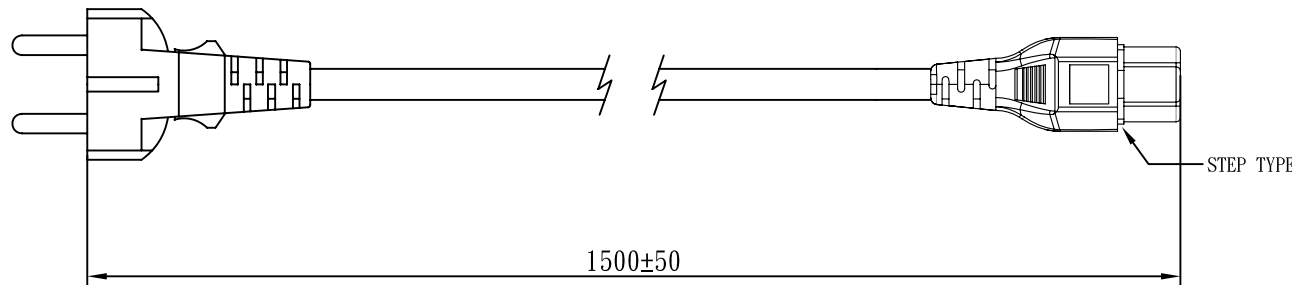
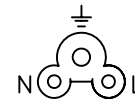
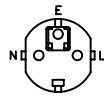
MARKING:



MARKING:



No	BOM ITEM	Q' TY	P/N
1	SP-023 INSERT(BLACK)	1 pcs	MB023012
2	PVC 45P (SA87, SP-022)	33 g	RPP0451H
3	∅2.35B PHOSPHOR BRONZE TUBE	2 pcs	BPP235B3
4	∅3.2 PHOSPHOR BRONZE TUBE	1 pcs	BPP32300
5	IS-034 INNER BODY	1 pcs	MP33401H
6	PVC 45P (SA87, IS-034)	15 g	RPP0451H
7	PE TIE (WHITE, 6 inch)	1 pcs	KBW10006



WIRING COLOR:

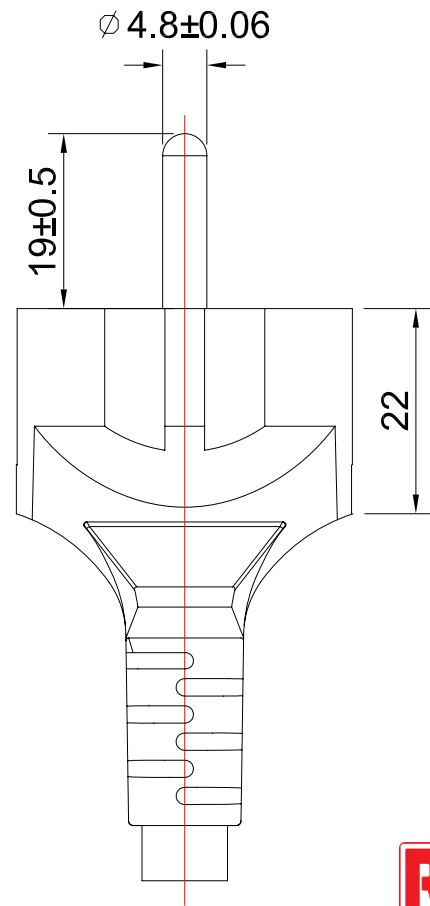
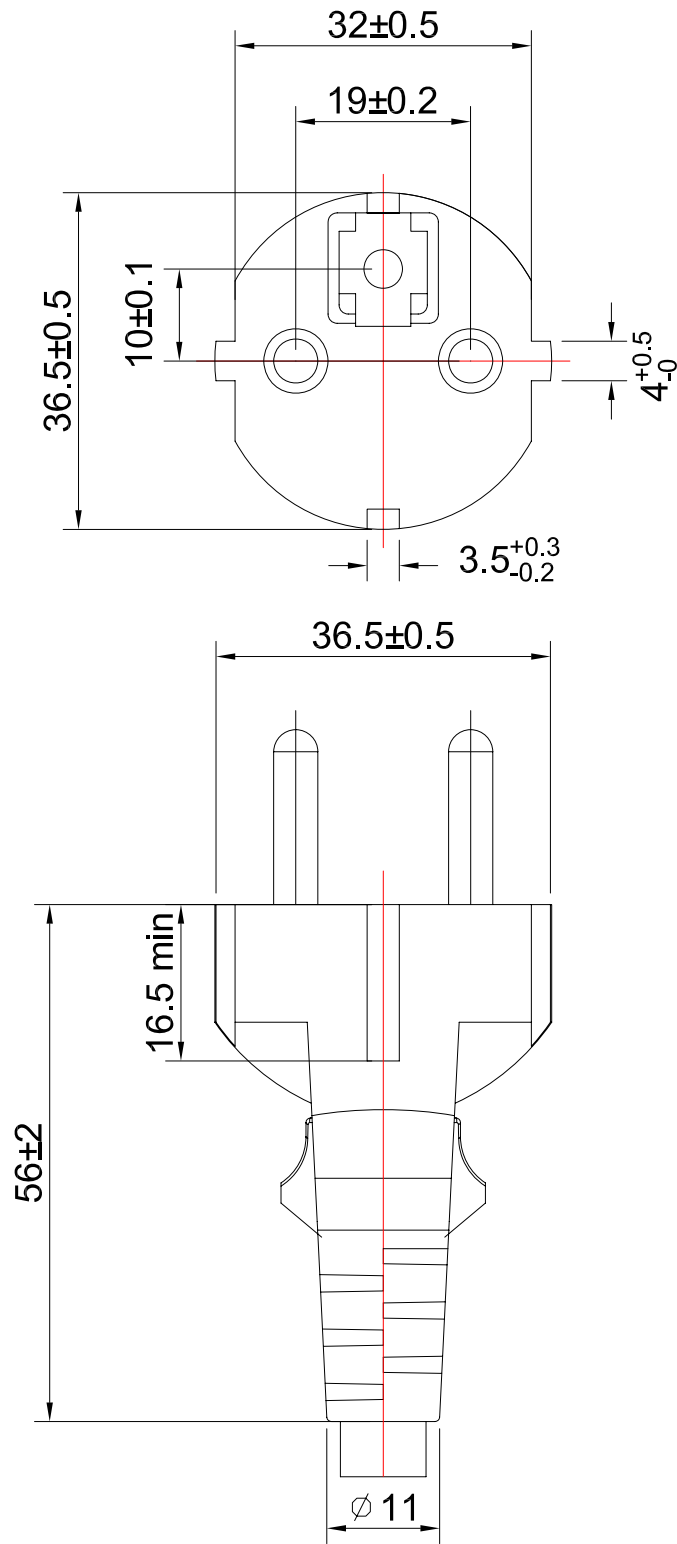
E: Yellow/Green  
 N: Blue  
 L: Brown

LENGED ON CORD: (205-14)

SGIS <VDE> KEMA-KEUR <OVE> △CEBEC 809 S D N T  
 NF-USE 1346 IEMMEQU H05VV-F 3G 1.0mm<sup>2</sup> 60227 IEC 53 RVV 300/500V  
 A003083 3ASL/100 4V-75 V-75(75°C) 250/440V ORDINARY DUTY Q90033 -LF- CE



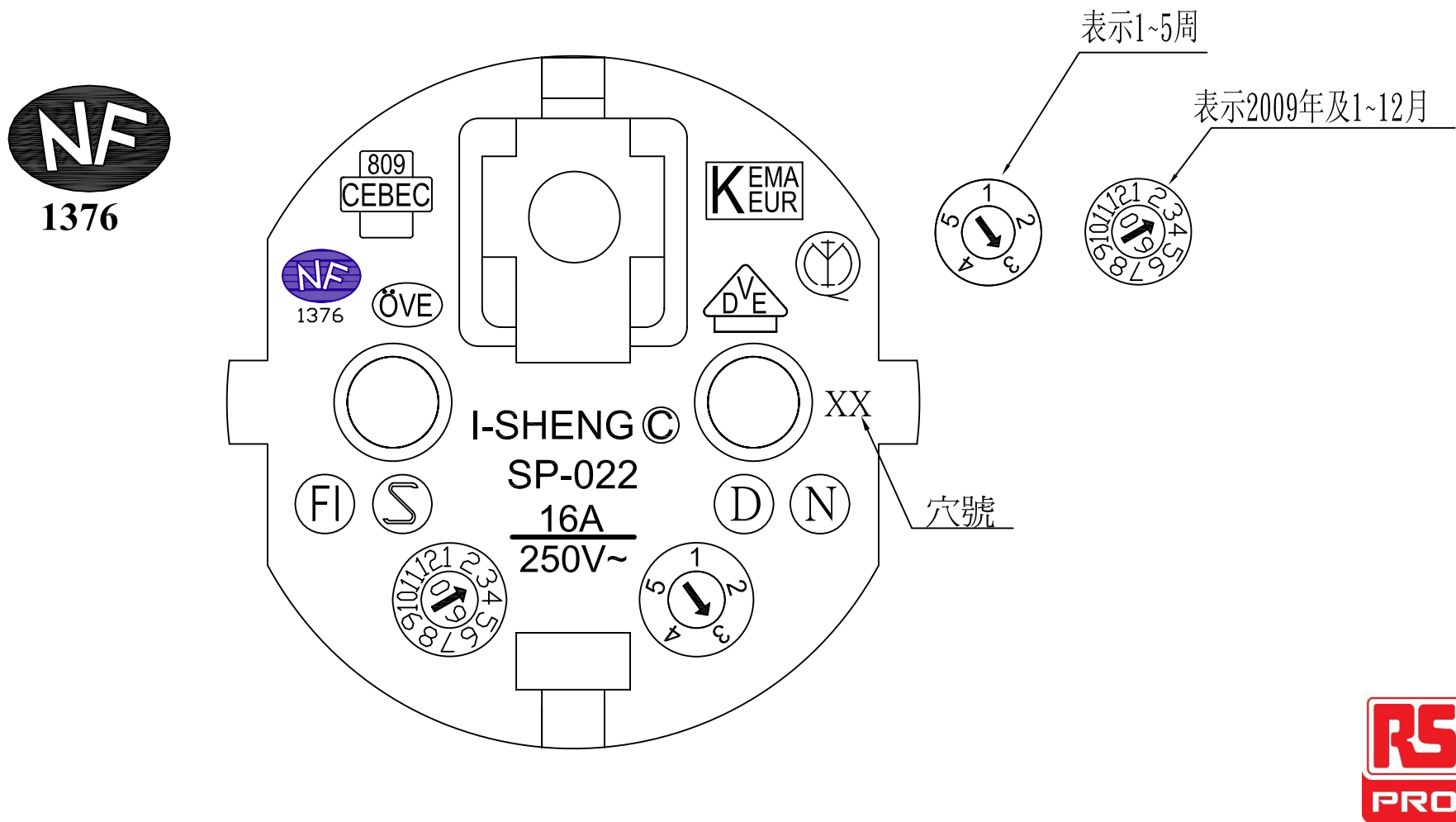
CABLE		H05VV-F 3G 1.0 DENT PRINT CT-1H (Gray)		
PLUG	SP-022 + IS-034	LENGTH	1500	UNIT mm
CLIENT	NAME	First Connectiviey	N/W	0.173421
	P/N	6266767	SG DWG	SR-141993-6
			Design. by	楊望春 (14.8.08)
			Review. by	朱曉玲 (14.8.08)
			Approval. by	周德雲 (14.8.08)
V23		6C3016		1H 150 00



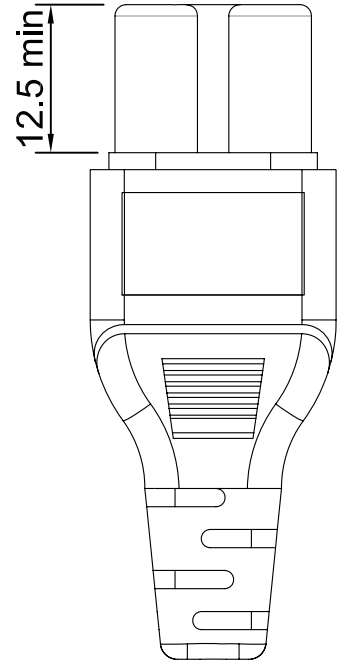
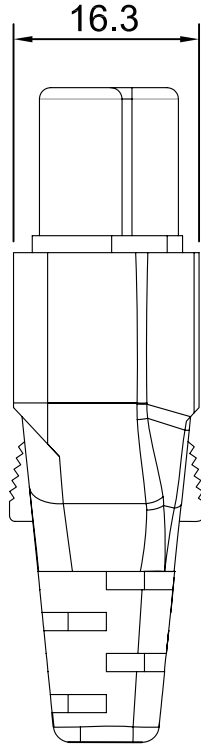
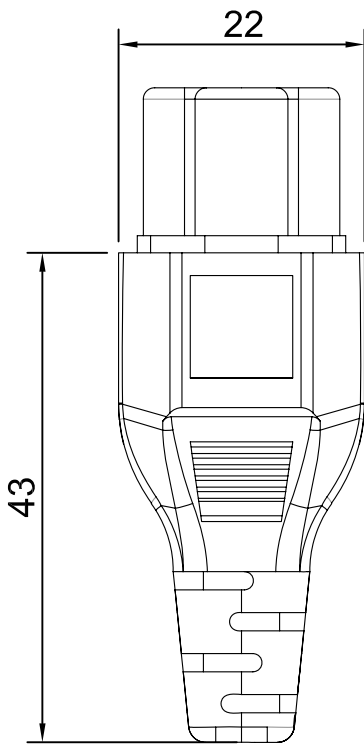
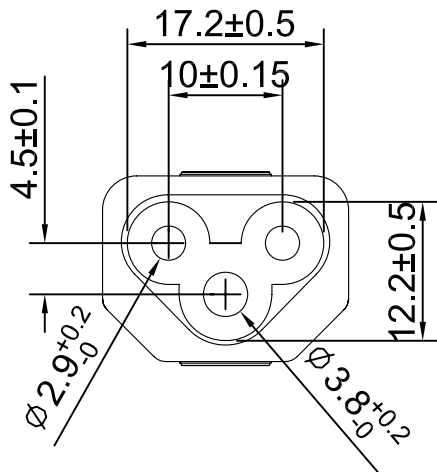
DWG. NAME		TYPE AND DIMENSIONS			TOLERANCE	
APPLY TO STANDARD		EUROPE APPROVAL POWER SUPPLY CORD				
ISSUE DATE	2000/03/13	REV.	D			
REVISE DATE	2008/08/13	UNIT	mm	$\leq 1.0$	$\pm 0.3$	
TYPE	SP-022	DWG. NO.	A22-01	$\leq 10.0$	$\pm 0.5$	
WIRE	H05VV-F (0.75~1.0/3), H03VV-F (0.75/3)			$\leq 20.0$	$\pm 1.0$	
		DESIGN BY	FANNY WANG	$\leq 20.0$	$\pm 1.0$	
		REVIEW BY	BECKY CHEN	$> 20.0$	$\pm 2.0$	
		APPROVE BY	RYAN LAI			

# MARKING

ISSUE 2009.6.25	STD. NAME	EUROPE APPROVAL POWER SUPPLY CORD	FILE NO.
REVISED A	CAT NO.	SP-022 成品標識示意圖	PAGE 1



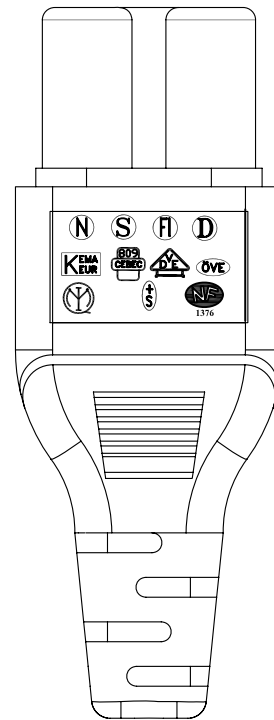
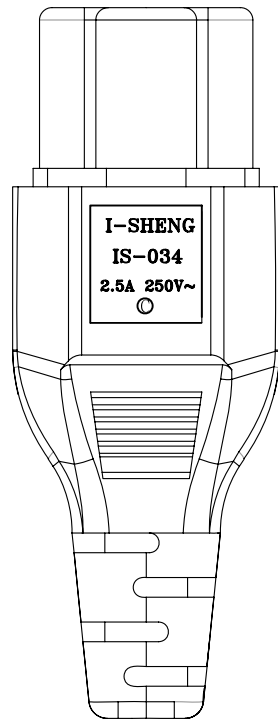
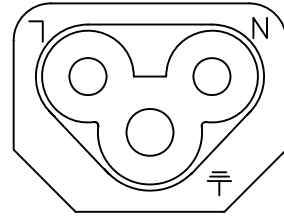
	D. by	Kiki	C. by	Yun	A. by	Qiang
--	-------	------	-------	-----	-------	-------



DWG. NAME	TYPE AND DIMENSIONS				
APPLY TO STANDARD	UNIVERSAL APPROVAL POWER SUPPLY CORD			TOLERANCE	
ISSUE DATE	2002/03/18	REV.	C		
REVISE DATE	2011/08/03	UNIT	mm	≤ 1.0	±0.3
TYPE	IS-034	DWG. NO.	L34-10	≤ 10.0	±0.5
WIRE	H05VV-F (0.75~1.0/3), H03VV-F (0.75/3), VCTF(0.75/3)			≤ 20.0	±1.0
	DESIGN BY	FANNY WANG		≤ 20.0	±1.0
	REVIEW BY	GERRY LAI		≤ 20.0	±1.0
	APPROVE BY	RYAN LAI		> 20.0	±2.0

# MARKING

ISSUE 2008.04.15	STD. NAME EUROPE APPROVAL POWER SUPPLY CORD	FILE NO.
REVISED B	CAT NO. IS-034 成品標識示意圖	PAGE 1



D. by YANG

C. by BOBOAN

A. by YUN

# SPECIFICATION

Rev. 1.0

Issued	2014/7/1	Description	File No.	V236C3016
Revised		SP-022+IS-034 H05VV-F 3G 1.0mm <sup>2</sup>	Page	1/1

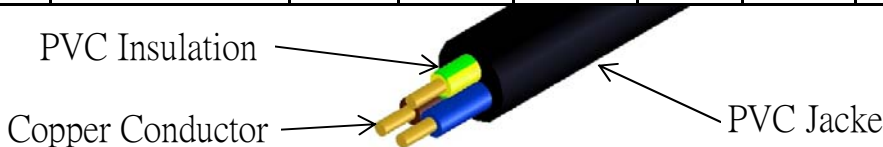
1. Scope :

This specification is applied to power supply cord conforming to:  
IEC 60227 IEC 60884-1 IEC 60320-1

2. Construction and dimensions:

In accordance with the following tables and attached drawings.

Item	Cat. No.	Rating		Approved No.
		A	V	
Plug	SP-022	16	250	As attachment
Connector	IS-034	2.5	250	As attachment

Flexible cord					H05VV-F 3G 1.0mm <sup>2</sup>			
Approved No.					As attachment			
Rating					300/500V 70°C			
Conductor		Insulation			Jacket			Conductor Resistance
Nominal (mm <sup>2</sup> )	Composition (pcs/mm)	Avg. Thickness (mm)	Min Thickness (mm)	Diameter (mm)	Avg. Thickness (mm)	Min Thickness (mm)	Diameter	Max 19.5 Ω/km at 20°C
1.0	32/ § 0.20+0,-0.015	0.6	0.44	§ 2.5±0.1	0.8	0.58	§ 6.9±0.2	In case of dispute, Conductor resistance shall be the referee method.
								Insulation Color
								Blue
								Brown
								Yellow/Green

3. Cable marking on the sheath:

Shenzhen:  
SGIS ◁VDE▷KEMA-KEUR  $\text{UL}$   $\text{UL}$   $\text{UL}$  ◁ÖVE▷ △CEBEC 809  $\text{S}$   $\text{D}$   $\text{N}$   $\text{F}$  NF-USE 1346  
IEMMEQU H05VV-F 3G 1.0mm<sup>2</sup> 60227 IEC 53 RVV 300/500V  $\text{CCC}$  A003083 3ASL/100 4V-75  
V-75(75°C) 250/440V ORDINARY DUTY Q90033 -LF-  $\text{CE}$

Kunshan:  
KSYS ◁VDE▷KEMA-KEUR  $\text{UL}$   $\text{UL}$   $\text{UL}$  ◁ÖVE▷ △CEBEC 809  $\text{S}$   $\text{D}$   $\text{N}$   $\text{F}$  NF-USE 1353  
IEMMEQU H05VV-F 3G 1.0mm<sup>2</sup> 60227 IEC 53 RVV 300/500V  $\text{CCC}$  A041481 3ASL/100 4V-75  
V-75(75°C) 250/440V ORDINARY DUTY Q90033 -LF-  $\text{CE}$





發行 ISSUED 2000.03.05	標準名稱 STD.NAME	SPECIFICATION	檔案編號 FILE NO
修訂 REVISED 2010.05.24	題目 TITLE	THE CHARACTERISTIC OF POWER SUPPLY CORD FOR EUROPE	SPEC-EU

Items 項目	Conditions 條件	Specification 規格
1 Insulation resistance 絕緣抵抗	The insulation resistance is measured with a d.c. voltage of approximately 500 V, the measurement being made 1 min after application of the voltage.	The insulation resistance shall be not less than 100 MΩ.
	Between all poles connected together and the body.	
	Between each pole in turn and all others, these being connected to the body.	
2 Electric strength 耐電壓	Testing transformer capacity (耐壓計容量) :500 VA or more Trip current(遮斷電流) :2mA frequency(周波數) :50/60 Hz Test time:1Min	No flashover or breakdown shall occur during the test.
	Between each contact in turn and the others connected together. <u>2800V</u> /1min.	
	Between the current-carrying contacts connected together and the body. <u>4000 V</u> /1 min.	
3 Moisture resistance 耐濕性	The humidity treatment is carried out in a humidity cabinet containing air with a relative humidity maintained between 91% and 95%. The temperature of the air, at all places where specimens can be located, is maintained within $\pm 1^{\circ}\text{C}$ of any convenient value $t^{\circ}\text{C}$ between $20^{\circ}\text{C}$ and $30^{\circ}\text{C}$ .  Before being placed in the humidity cabinet, the specimens are brought to a temperature between $t^{\circ}\text{C}$ and $(t+4)^{\circ}\text{C}$ .  The specimens are kept in the cabinet for - 168h (7 days) for connector with earthing contact and for appliance inlets with earthing contact, which are submitted as individual accessories, not incorporated in other equipment.	After this treatment, the specimen shall show no damage.
4 Polarity/Continuity	Line and neutral shall be test at 24V;shall be instantaneous	Without breakdown

發行 ISSUED 2000.03.05	標準名稱 STD.NAME	SPECIFICATION	檔案編號 FILE NO
修訂 REVISED 2010.05.24	題目 TITLE	THE CHARACTERISTIC OF POWER SUPPLY CORD FOR EUROPE	SPEC-EU

Items 項目	Conditions 條件	Specification 規格	Items 項目																		
5 Flexing test 屈曲強度	<p>The oscillating member is moved through an angle of 90° (45° on either side of the vertical), the number of flexings being 10,000 and the rate of flexing 60/min.</p> <p>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>		no interruption of the current, no short circuit between conductors.																		
		<table border="1"> <thead> <tr> <th></th> <th>Load Weight (g)</th> <th>Angle <math>\theta(^{\circ})</math></th> <th>Optional direction (turns)</th> <th>Furthermore 90° rotational direction (turns)</th> <th>Rate of flexing per min (turns)</th> </tr> </thead> <tbody> <tr> <td>plug</td> <td>0.75mm<sup>2</sup>↓ 1020(10N) 1.0mm<sup>2</sup>↑ 2040(20N)</td> <td>45</td> <td>10000</td> <td>5000</td> <td>60</td> </tr> <tr> <td>connector</td> <td>0.75mm<sup>2</sup>↓ 1020(10N) 1.0mm<sup>2</sup>↑ 2040(20N)</td> <td>45</td> <td>20000</td> <td>10000</td> <td>60</td> </tr> </tbody> </table>			Load Weight (g)	Angle $\theta(^{\circ})$	Optional direction (turns)	Furthermore 90° rotational direction (turns)	Rate of flexing per min (turns)	plug	0.75mm <sup>2</sup> ↓ 1020(10N) 1.0mm <sup>2</sup> ↑ 2040(20N)	45	10000	5000	60	connector	0.75mm <sup>2</sup> ↓ 1020(10N) 1.0mm <sup>2</sup> ↑ 2040(20N)	45	20000	10000	60
		Load Weight (g)		Angle $\theta(^{\circ})$	Optional direction (turns)	Furthermore 90° rotational direction (turns)	Rate of flexing per min (turns)														
plug	0.75mm <sup>2</sup> ↓ 1020(10N) 1.0mm <sup>2</sup> ↑ 2040(20N)	45	10000	5000	60																
connector	0.75mm <sup>2</sup> ↓ 1020(10N) 1.0mm <sup>2</sup> ↑ 2040(20N)	45	20000	10000	60																

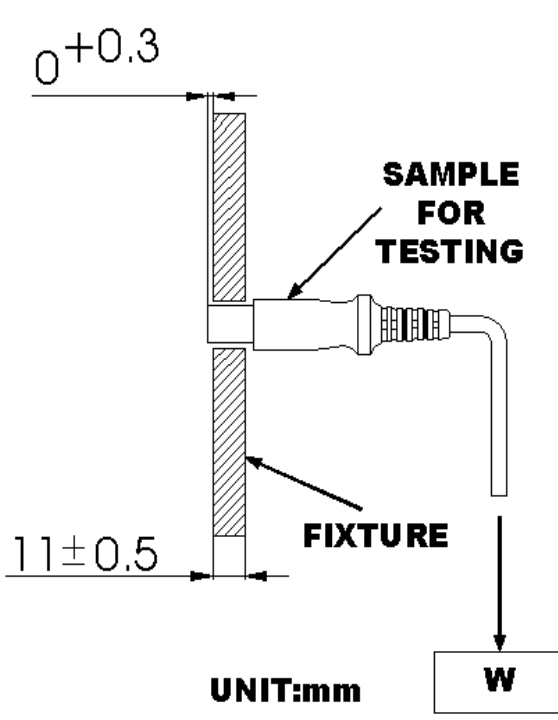
發行 ISSUED 2000.03.05	標準名稱 STD.NAME	SPECIFICATION	檔案編號 FILE NO
修訂 REVISED 2010.05.24	題目 TITLE	THE CHARACTERISTIC OF POWER SUPPLY CORD FOR EUROPE	SPEC-EU

Items 項目	Conditions 條件	Specification 規格
6 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.
7 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.
8 Temperature rise 溫昇	<p>An alternating current of 1.25 times rated current is passed through the current-carrying contacts for 1h.</p> <p>For connectors with earthing contact, the current is then passed through one current-carrying contact and the earthing contact for 1h</p>	The temperature rise of pins, terminals and contacts shall not exceed 45k.

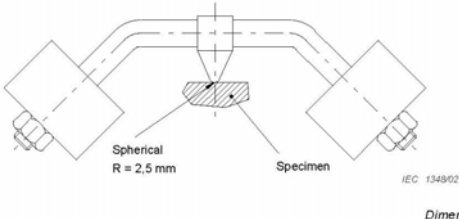
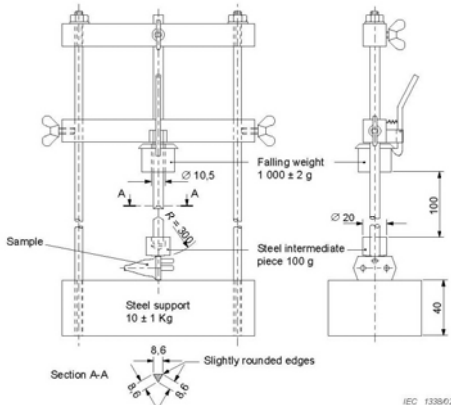
發行 ISSUED 2000.03.05	標準名稱 STD.NAME	SPECIFICATION	檔案編號 FILE NO
修訂 REVISED 2010.05.24	題目 TITLE	THE CHARACTERISTIC OF POWER SUPPLY CORD FOR EUROPE	SPEC-EU

9	<b>Withdrawal force</b> 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" data-bbox="443 945 1184 1366"> <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 )																	
10	<b>Resistance to heat</b> 耐熱試驗	<p>The test being made in a heating cabinet at a temperature of <math>100 \pm 2^{\circ}\text{C}</math>.</p> <p>The specimen is clamped between steel jaws, having a cylindrical face of 25mm radius, a width of 15mm and a length of 50mm. The corners are rounded with a radius of 2.5mm.</p> <p>The specimen is clamped in such a way that the jaws press against it in the area where it is gripped in normal use, the centre line of the jaws coinciding as nearly as possible with the centre of this area.</p> <p>The force applied through the jaws is 20N</p>	<p>After 1h, the jaws are removed and the specimen shall show no damage within the meaning of this standard.</p>																	

發行 ISSUED 2000.03.05	標準名稱 STD.NAME	SPECIFICATION	檔案編號 FILE NO
修訂 REVISED 2010.05.24	題目 TITLE	THE CHARACTERISTIC OF POWER SUPPLY CORD FOR EUROPE	SPEC-EU

Items 項目	Conditions 條件	Specification 規格
11 Resistance to Aging 老化試驗	<p>The specimens are suspended freely in a heating cabinet, ventilated by natural circulation. They are kept in the cabinet, which is maintained at a temperature of <math>80 \pm 2^{\circ}\text{C}</math>, for 168h (7 days).</p> <p>After the test are allowed to attain approximately ambient temperature and are then examined.</p> <p>They shall show no crack visible to the naked eye, nor shall the material have become sticky or greasy, this being judged as follows.</p> <p>1) A forefinger wrapped in a dry piece of rough cloth is pressed on the specimen with a force of 5N. 2) No traces of the cloth shall remain on the specimen and the material of the specimen shall not stick to the cloth.</p>	After this test, the specimen shall show no damage which would lead to non-compliance with this standard.
12 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>  <p style="text-align: center;">UNIT:mm</p>	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 2010.05.24	題目 TITLE	THE CHARACTERISTIC OF POWER SUPPLY CORD FOR EUROPE	SPEC-EU

<p>13 Ball pressure test 球壓測試</p>	<p>The sample is 2 mm wide, surrounding the phase and neutral pin entry holes of socket-outlets, shall be subjected to a ball-pressure test.</p> <p>The part under test shall be placed on a steel plate at least 3 mm thick and in direct contact with it.</p> <p>The surface of the part to be tested is placed in the horizontal position and the hemispherical tip of the test equipment is pressed against the surface with a force of 20 N.</p> <p>The test is made in a heating cabinet at a temperature of <math>(125 \pm 2) ^\circ\text{C}</math> for 1h. After 1 h the ball shall be removed from the specimen, which is then immersed within 10 s, in cold water for cooling down to approximately room temperature.</p>  <p style="text-align: center;">IEC 1348/02 Dimensions in millimetres</p>	<p>The diameter of the impression caused by the ball is measured and shall not exceed 2 mm.</p>
<p>14 Impact test at Low temperature 低溫撞擊測試</p>	<p>The apparatus, positioned on a pad of sponge rubber 40 mm thick, is placed together with the specimens in a freezer at a temperature of <math>(-15 \pm 2) ^\circ\text{C}</math>, for at least 16 h.</p> <p>At the end of this period, each specimen, in turn, is placed in the normal position of use as shown in the figure below, and a weight is allowed to fall from a height of 100 mm. The mass of the falling weight is <math>(1\ 000 \pm 2)</math> g.</p>  <p style="text-align: center;">IEC 1338/02 Dimensions in millimetres</p>	<p>After the test, the specimen shall show no damage within the meaning of this standard.</p>

## ZEICHENGENEHMIGUNG MARKS APPROVAL

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

**Stecker mit Schutzkontakt, nicht wiederanschließbar, umspritzt**  
***Plug, with earthing contact, non-rewirable, moulded***

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 VDE 0620-1 (VDE 0620-1):2010-02



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

  
S. Berber

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

Aktenzeichen: 1276300-1560-0003 / 173702  
*File ref.:*

Ausweis-Nr. 40013526 Blatt 1  
*Certificate No. Page*

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

Offenbach, 2005-03-31  
(letzte Änderung/updated 2012-10-02 )

<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.*  
1276300-1560-0003 / 173702 / FG45 / SHA

letzte Änderung / *updated* Datum / *Date*  
2012-10-02 2005-03-31

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40013526  
*This supplement is only valid in conjunction with page 1 of the Certificate No. 40013526.*

**Stecker mit Schutzkontakt, nicht wiederanschließbar, umspritzt**  
**Plug, with earthing contact, non-rewirable, moulded**

Typ(en) / *Type(s)*:

**SP-022**

Bemessungsspannung <i>Rated voltage</i>	AC 250 V
Bemessungsstrom <i>Rated current</i>	16 A
Polzahl <i>Number of poles</i>	2-polig mit zwei Schutzkontaktsystemen <i>2-pole with two earthing contact systems</i>
Bauart <i>Kind of construction</i>	Normblatt: DIN 49441-R2 <i>standard sheet: DIN 49441-R2</i>
Schutzart <i>Degree of protection</i>	IP20
Kennzeichnung der Fertigungsstätte(n) <i>Marking of manufacturingplace(s)</i>	30005950: ohne Kennzeichnung / without marking 30006554: "K" 30006550: "C" 30019097: "V"
Produktinformation <i>Product information</i>	siehe Anlage Nr. 300A + 301A + 302A + 303A + 304A + 900A <i>see Appendix No. 300A + 301A + 302A + 303A + 304A + 900A</i>

---

VDE Prüf- und Zertifizierungsinstitut GmbH  
*VDE Testing and Certification Institute*  
Fachgebiet FG45  
*Section FG45*



# VDE Prüf- und Zertifizierungsinstitut Zeichengenehmigung

Ausweis-Nr. / Beiblatt /  
Certificate No. Supplement  
40013526

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

Aktenzeichen / *File ref.*

1276300-1560-0003 / 173702 / FG45 / SHA

letzte Änderung / *updated* Datum / *Date*

2012-10-02

2005-03-31

Dieses Beiblatt ist Bestandteil des Zeichengenehmigungsausweises Nr. 40013526.

*This supplement is part of the Certificate No. 40013526.*

**Stecker mit Schutzkontakt, nicht wiederanschließbar, umspritzt**  
***Plug, with earthing contact, non-rewirable, moulded***

**Fertigungsstätte(n)**

***Place(s) of manufacture***

Referenz/*Reference*

**30005950**

Referenz/*Reference*

**30006554**

Referenz/*Reference*

**30006550**

Referenz/*Reference*

**30019097**

VDE Prüf- und Zertifizierungsinstitut GmbH  
*VDE Testing and Certification Institute*  
Fachgebiet FG45  
*Section FG45*

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

Aktenzeichen / *File ref.*

1276300-1560-0003 / 173702 / FG45 / SHA

letzte Änderung / *updated* Datum / *Date*

2012-10-02

2005-03-31

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40013526  
*This supplement is only valid in conjunction with page 1 of the Certificate No. 40013526.*

**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](http://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](http://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.*



**ZEICHENGENEHMIGUNG**  
**MARKS APPROVAL**

**Aktenzeichen:**  
File ref.:  
1276300-1560-0003/173702

**Ausweis-Nr.:**  
Approval No.:  
40013526

**Datum**  
Date  
2012-10-02

**Stecker** 2-polig mit Schutzkontakt  
**Plug** 2-pole with earthing contact

**Ausführung:** zentrale Leitungseinführung  
**Construction:** straight cable entry

**Anlage-Nr.:** 304A  
**Appendix No.:**

Fertigungsstätte / Place of manufacture:

30006554 : "C"

(max. 2 m)

Position im VDE-Ausweis Position in VDE-approval	Typ(en) Type(s)	Leitungsaufdruck Marking on cable	H03VV-F 3G 0,5 mm <sup>2</sup>	H03VV-F 3G 0,75 mm <sup>2</sup>	H05VV-F 3G 0,75 mm <sup>2</sup>	H05VV-F 3G 1,0 mm <sup>2</sup>	H05VV-F 3G 1,5 mm <sup>2</sup>	H05RR-F 3G 0,75 mm <sup>2</sup>	H05RR-F 3G 1,0 mm <sup>2</sup>	H05RR-F 3G 1,5 mm <sup>2</sup>	H05RN-F 3G 0,75 mm <sup>2</sup>	H05RN-F 3G 1,0 mm <sup>2</sup>	H07RN-F 3G 1,0 mm <sup>2</sup>	H07RN-F 3G 1,5 mm <sup>2</sup>	H03RT-H 3G 0,75 mm <sup>2</sup>	H03RT-H 3G 1,0 mm <sup>2</sup>	H03V2V2-F 3G 0,75 mm <sup>2</sup>	H05V2V2-F 3G 0,75 mm <sup>2</sup>	H05V2V2-F 3G 1,0 mm <sup>2</sup>	05VA5V-F 3G 0,75 mm <sup>2</sup>	5VA5V-F 3G 1,0 mm <sup>2</sup>				
SP-022			--	--	--	--	--	X	X	X	X	X	X	X	--	--	--	--	--	--	--	--	--	--	--
			--	--	--	--	--	--	--	--	--	--	--	--	--	--	X	X	X	--	--	--	--	--	--
		VDE-Reg.-Nr. 9825	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	X	X	--	--	--	--

X  $\triangle$  genehmigte Ausführung / approved version    ---  $\triangle$  nicht genehmigt / not approved

Werkstoff der Umspritzung: Material of the moulding:	Typ; Farbe Type; colour	PVC; alle Farben / all colours
Werkstoff der Trägereile: Material of the base:	Typ; Hersteller; Farbe Type; manufacturer; colour	PBT; Typ(e): 4830; schwarz/ black Chang Chun Plastics Co., Ltd. geprüft unter AZ:/approved under VDE- Ref.: 1518100-1560-0006
Inneneinsatz: Insert:	Typ; Hersteller Type; manufacturer	Typ(e): 98651A-VDE; mit massiven Stiften/ with solid pins GEM Typ(e): B05.008-D mit massiven Stiften/ with solid pins Taller GmbH



**VDE Prüf- und Zertifizierungsinstitut GmbH**

Diese Anlage gilt nur in Verbindung mit Blatt 1 der Zeichengenehmigung  
This Appendix is only valid in conjunction with page 1 of the marks approval

Fachgebiet FG45  
Section FG45











**ZEICHENGENEHMIGUNG**  
**MARKS APPROVAL**

**Aktenzeichen:**

File ref.:  
1276300-1560-0003/173702

**Ausweis-Nr.:**

Approval No.:  
40013526

**Datum**

Date  
2012-10-02

**Stecker** 2-polig mit Schutzkontakt  
**Plug** 2-pole with earthing contact

**Ausführung:** zentrale Leitungseinführung  
**Construction:** straight cable entry

**Anlage-Nr.:** 300A  
**Appendix No.:**

Fertigungsstätte / Place of manufacture:

30005950 ohne Kennzeichnung / without marking

(max. 2 m)

Position im VDE-Ausweis Position in VDE-approval	Typ(en) Type(s)	Leitungsaufdruck Marking on cable																							
			H03VV-F 3G 0,5 mm <sup>2</sup>	H03VV-F 3G 0,75 mm <sup>2</sup>	H05VV-F 3G 0,75 mm <sup>2</sup>	H05VV-F 3G 1,0 mm <sup>2</sup>	H05VV-F 3G 1,5 mm <sup>2</sup>	H05RR-F 3G 0,75 mm <sup>2</sup>	H05RR-F 3G 1,0 mm <sup>2</sup>	H05RR-F 3G 1,5 mm <sup>2</sup>	H05RN-F 3G 0,75 mm <sup>2</sup>	H05RN-F 3G 1,0 mm <sup>2</sup>	H07RN-F 3G 1,0 mm <sup>2</sup>	H07RN-F 3G 1,5 mm <sup>2</sup>	H03RT-H 3G 0,75 mm <sup>2</sup>	H03RT-H 3G 1,0 mm <sup>2</sup>	H05V2V2-F 3G 0,75 mm <sup>2</sup>	H05V2V2-F 3G 1,0 mm <sup>2</sup>							
SP-022			--	--	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

X  $\Delta$  genehmigte Ausführung / approved version      ---  $\Delta$  nicht genehmigt / not approved

Werkstoff der Umspritzung: Material of the moulding:	Typ; Farbe Type; colour	PVC; alle Farben / all colours
Werkstoff der Trägerteile: Material of the base:	Typ; Hersteller; Farbe Type; manufacturer; colour	PBT; Typ(e): 4830; schwarz/ black Chang Chun Plastics
Inneneinsatz: Insert:	Typ; Hersteller Type; manufacturer	Typ(e): P98651A-VDE mit massiven Stiften/ with solid pins GEM



**VDE Prüf- und Zertifizierungsinstitut GmbH**

Diese Anlage gilt nur in Verbindung mit Blatt 1 der Zeichengenehmigung  
This Appendix is only valid in conjunction with page 1 of the marks approval

Fachgebiet FG45  
Section FG45





# CERTIFICATE

KEMA No.: 2124812.01



Issued to:  
Applicant:

Manufacturer/Licensee:

Product : plug, (2-pole)  
Trade name :  
Type/model : SP-022

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 IEC 60884-1:2002;NEN 1020:1987/A2:2004
- 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 090853

Experience you can trust





**SPECIFICATION OF THE CERTIFIED PRODUCT****Product data**

product	:	plug, (2-pole)
trade name	:	
type	:	SP-022
rated current	:	16 A
rated voltage	:	250 V~
earthing	:	with dual earthing contacts
design	:	non-rewirable
standard sheet	:	VII
applied flexible cord	:	H03VV-F 3G0,75 mm <sup>2</sup> H05VV-F 3G0,75, 3G1,0 and 3G1,5 mm <sup>2</sup> H05RR-F 3G0,75, 3G1,0 and 3G1,5 mm <sup>2</sup> H05RN-F 3G0,75 and 3G1,0 mm <sup>2</sup> H07RN-F 3G1,0 and 3G1,5 mm <sup>2</sup> 05VA5V-F 3G0,75 and 3G1,0 mm <sup>2</sup> H05Z1Z1-F 3G0,75, 3G1,0 and 3G1,5 mm <sup>2</sup>
certification mark	:	complies with the specified requirements
cord termination	:	crimped connection
description	:	body of thermoplastic material as part of an incomplete cord set for class I appliances
markings	:	are shown on the body

**TESTS****Test requirements**

IEC 60884-1:2002 + A1:2006

NEN 1020:1987 + A2:2004

**Test result**

The test results are laid down in KEMA test file 2124812.01.

**Remarks**

This certificate replaces our certificate 2124048.01 dated 2009-02-23 and is also based on the VDE CB Test Certificate DE 1-40634

**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. 17122 replaces No.16017

Issued to:  
Applicant:



Licensee:

Product : plugs (2-pole) for household purposes  
Trade name(s) :  
Type(s)/model(s) : SP-022, SP-023

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.

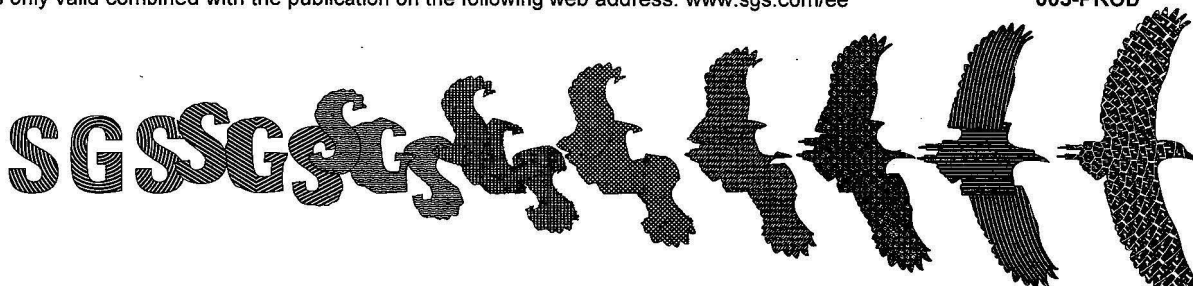
This licence is issued on: 11/04/2011

ir. G. 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](http://www.sgs.com/ee)



005-PROD



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](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	:	plugs (2-pole) for household purposes
Trade name(s)	:	
Type(s)/Model(s)	:	SP-022, SP-023
rated current (In)	:	16 A
rated voltage (Un)	:	250 V~
class	:	for class I appliances
earthing	:	with dual earthing system
design	:	non-rewirable
standard sheet	:	VII
applied flexible cord(s)	:	H03 VV-F 3G0.75 mm <sup>2</sup> H05 VV-F 3G0.75-1.0-1.5 mm <sup>2</sup> H05 RR-F 3G0.75-1.0-1.5 mm <sup>2</sup>
applied flexible cord(s) (cont'd)	:	H05 RN-F 3G0.75-1.0 mm <sup>2</sup> H07 RN-F 3G1.0-1.5 mm <sup>2</sup> 05VA5V-F 3G0.75-1.0 mm <sup>2</sup>
applied flexible cord(s) (cont'd II)	:	H03 Z1Z1-F 3G0.75 mm <sup>2</sup> H05Z1Z1-F 3 G 0.75-1.0-1.5 mm <sup>2</sup>
certification mark	:	complies with the requirements
cord(s) termination	:	crimped connection
description	:	body of thermoplastic material
markings	:	on the body

### Additional information

Construction : 05VA5V-F 3G0.75-1 mm<sup>2</sup> (60227 IEC 53 with shielding of aluminium folio around the cords)

Insert material: PBT type 5630E04C, Chang Chun Plastics

Insert type: 98651-VDEF, GEM, black

Moulding if halogen free cable used: TPE, type IS-TPE01, I-sheng Electronics (Kunshan) Co., Ltd., black

**Product data - type SP-022**

construction : straight cable entry

**Product data - type SP-023**

construction : angled cable entry

**TESTS**

**Test requirements**

NBN C 61-112-1 based on IEC 60884-1:2002 + A1:2006

**Test results**

The test results are laid down in certification file ref.589978/01

**Remarks**

This certificate is based on certificates ref. CB DE1-46927, CB DE1-46923, CB FI 5640, CB DE1-40634 and CB FI 3114 A1 and test report(s) ref. 1276300-1560-0014/135965, 1276300-1560-0013/135952, 254314-1, 1276300-1560-0003/106854 and 228367-03a.

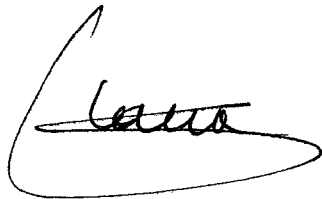
**Conclusion**

The examination proved that all test requirements were met.

Checked by, project leader : Zanutto Luigi - 11/04/2011

Department Manager,  
Product Certification :

Certification Manager :



2011-04-11

**FACTORY LOCATION(S)**

# DEMKO CERTIFICATE

Certificate No. 314896-01  
Page 1/3  
Date of Issue 2009-03-30

Certificate Holder

Manufacturer

Production site See appendix

Certified Product Plug, non-rewirable  
Model See appendix  
Trademark  
Rated Voltage / Frequency 250V~  
Rated Current / Power 16A  
Insulation Class IP 20  
Degree of protection (IP) -  
Tested acc. to IEC 60884-1:2002 + A1:2006, SB 107-2-D1 (Ed.5) 2008  
Test Report No.  
Additional Standard sheet CEE7/VII  
Expire date 2014-03-06

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 ® 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, 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. 314896-01  
Page 2/3  
Date of Issue 2009-03-30

## Model and Technical information

SP-022, with cord H05RN-F 3G0,75-1mm<sup>2</sup>  
SP-022, with cord H05RR-F 3G0,75-1-1,5mm<sup>2</sup>  
SP-022, with cord H07RN-F 3G1-1,5mm<sup>2</sup>  
SP-022, with cord H05VV-F 3G0,75-1-1,5mm<sup>2</sup>  
SP-022, with cord H03VV-F 3G0,75mm<sup>2</sup>  
SP-022, with cord 05VA5V-F 3G0,75-1mm<sup>2</sup>  
SP-022, with cord H05Z1Z1-F 3G0,75-1-1,5mm<sup>2</sup>

## Production Site:

This certificate replaces the certificate No. 313278-02, dated 2005-05-04

UL International Demko A/S has issued a new certificate due to add of new model and manufacturing site.

The certificate has been issued on the basis of Nordic certification Service, certificate No. FI 24858, issued by SGS Fimko, dated 2009-03-06

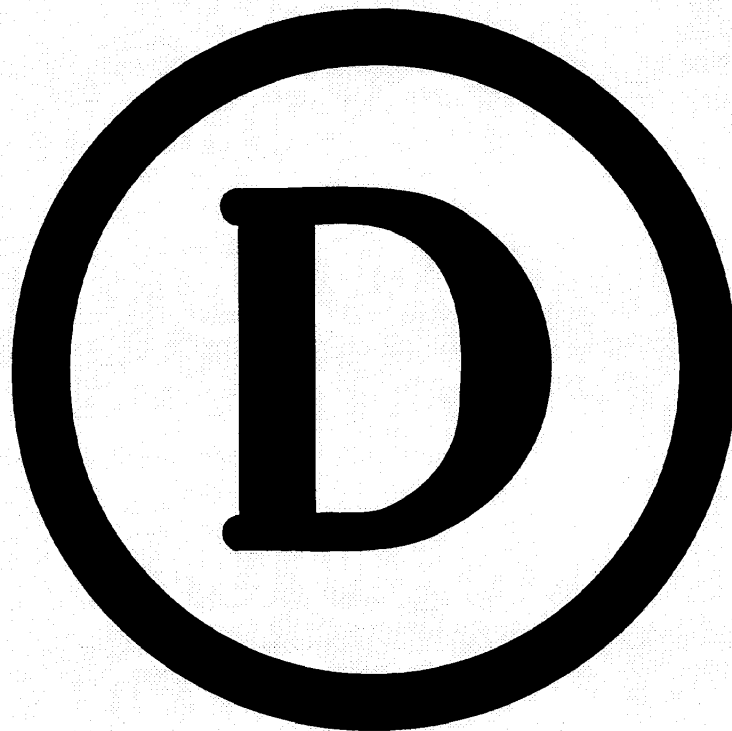
Certification Body

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](http://www.ul-europe.com)



# Appendix DEMKO Certificate

<b>Certification Mark</b>	<b>D-mark</b>
<b>Certificate No.</b>	<b>314896-01</b>
<b>Page</b>	<b>3/3</b>
<b>Date of Issue</b>	<b>2009-03-30</b>



**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](http://www.ul-europe.com)



the standard in safety



# Certificate

 for European Product Safety

Reference No. 1112493

## Plug, non rewirable

Type designation SP-022

Certificate holder

The product complies with the standard(s) SS 428 08 34:2004  
IEC 60884-1:2002 and A1

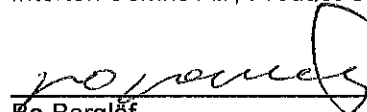
Date of expiry 4 February 2015

Additional information in Appendix.

Certification Body Intertek Semko AB, Product Certification

Place Kista - Stockholm

Signed

  
Bo Berglöf

Date 28 March 2011  
Page 1 of 3

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



## Appendix

Reference No. 1112493

### Technical data

Type designation	SP-022
Rated voltage (V)	250V~
Rated current (A)	16A
IP-Class	IP20
Type of cord	H03VV-F 3G0,75mm <sup>2</sup> H05VV-F 3G0,75-1-1,5mm <sup>2</sup> H05RR-F 3G0,75-1-1,5mm <sup>2</sup> H05RN-F 3G0,75-1mm <sup>2</sup> H07RN-F 3G1-1,5mm <sup>2</sup> 05VA5V-F 3G0,75-1mm <sup>2</sup> H03Z1Z1-F 3G0,75mm <sup>2</sup> H05Z1Z1-F 3G0,75-1-1,5mm <sup>2</sup>
Standard sheet	CEE7 / VII

### Brand name:

Product information 05VA5V-F (H05VV-F like with Al tape screen and copper wires around conductors)

### 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.*



## Appendix

Reference No. 1112493

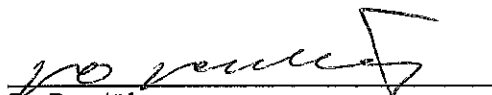
This certificate is based on a certificate with ref. No. NCS/FI 25607 A1 dated 21 March 2011, issued by SGS FIMKO LTD according to the Nordic Certification Service Agreement.

This certificate replaces previously issued ref. No. 1010631 dated 4 February 2010.  
A new certificate has been issued due to added cord type and information.

The certificate applies for countries that have sanctioned the use of plugs/outlets according to subject standard sheet and component standard.

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

*Signed*

  
Bo Berglöv

*Date* 28 March 2011

*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	Plugs
Applicant	
Manufacturer	
Factory	<input checked="" type="checkbox"/> See page 3
Ratings	16A 250V AC
Trade mark	
Model / Type Ref.	SP-022
Principal characteristics	Non-rewirable plug, with cord H03VV-F 3G0.75mm <sup>2</sup> . Standard sheet VII. IP20 <input type="checkbox"/> See next page(s)
A sample of the product was tested and found to be in conformity with	INST                    NEK-IEC 60884-1:2002;am1 and NEK 502:2006
Replaces	This certificate replaces previous certificate No. P10211821, due to addition of a new model and additional information
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	Alternative types SP-022 SP-022.  05VA5V-F (H05VV-F like with Al tape screen and copper wires around conductors) <input type="checkbox"/> See next page(s)
Additional model(s)	<input checked="" type="checkbox"/> See next page(s)

Date of issue 30-03-2011



Signature

Geir Hørthe

Certification Department

Nemko AS

P.O. Box 73, Blindern

N-0314 Oslo, Norway

Office address

Gaustadalléen 30

Oslo

Internet

[www.nemko.com](http://www.nemko.com)

Telephone

+47 22 96 03 30

Enterprise number:

Fax

+ 47 22 96 05 50

NO 974404532

Product	Plugs
Pos. No	1
Model / Type Ref.	SP-022
Trade mark (if different from page 1)	
Rating	16A 250V AC
Principal characteristics	Non-rewirable plug with cord H05VV-F 3G0.75-1.5mm <sup>2</sup> . Standard sheet VII. IP20
Product	Plugs
Pos. No	2
Model / Type Ref.	SP-022
Trade mark (if different from page 1)	
Rating	16A 250V AC
Principal characteristics	Non-rewirable plug with cord H05RR-F 3G0.75-1.5mm <sup>2</sup> . Standard sheet VII. IP20
Product	Plugs
Pos. No	3
Model / Type Ref.	SP-022
Trade mark (if different from page 1)	
Rating	16A 250V AC
Principal characteristics	Non-rewirable plug with cord H05RN-F 3G0.75-1mm <sup>2</sup> . Standard sheet VII. IP20
Product	Plugs
Pos. No	4
Model / Type Ref.	SP-022
Trade mark (if different from page 1)	
Rating	16A 250V AC
Principal characteristics	Non-rewirable plug with cord H07RN-F 3G1-1.5mm <sup>2</sup> . Standard sheet VII. IP20

Date of issue 30-03-2011



Signature

Geir Hørthe

Certification Department

Nemko AS

P.O. Box 73, Blindern

N-0314 Oslo, Norway

Office address

Gaustadalléen 30

Oslo

Internet

[www.nemko.com](http://www.nemko.com)

Telephone

+47 22 96 03 30

Enterprise number:

Fax

+ 47 22 96 05 50

NO 974404532

Product	Plugs
Pos. No	5
Model / Type Ref.	SP-022
Trade mark (if different from page 1)	
Rating	16A 250V AC
Principal characteristics	Non-rewirable plug with cord 05VA5V-F 3G0.75-1mm <sup>2</sup> . Standard sheet VII. IP20
Product	Plugs
Pos. No	6
Model / Type Ref.	SP-022
Trade mark (if different from page 1)	
Rating	16A 250V AC
Principal characteristics	Non-rewirable plug with cord H03Z1Z1-F 3G0.75mm <sup>2</sup> . Standard sheet VII. IP20
Product	Plugs
Pos. No	7
Model / Type Ref.	SP-022
Trade mark (if different from page 1)	
Rating	16A 250V AC
Principal characteristics	Non-rewirable plug with cord H05Z1Z1-F 3G0.75-1.5mm <sup>2</sup> . Standard sheet VII. IP20

Factories:

Date of issue 30-03-2011



Signature

Geir Hørthe

Certification Department

Nemko AS

P.O. Box 73, Blindern

N-0314 Oslo, Norway

Office address

Gaustadalléen 30

Oslo

Internet

[www.nemko.com](http://www.nemko.com)

Telephone

+47 22 96 03 30

Enterprise number:

Fax

+ 47 22 96 05 50

NO 974404532



# CERTIFICATE NCS/FI 25607 A1

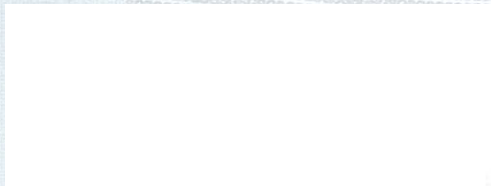
Our Ref. 257500-1, 263544-1

**Product** Plug, non-rewirable

**Type** SP-022, with cord H03VV-F 3G0,75  
 SP-022, with cord H05VV-F 3G0,75-1-1,5  
 SP-022, with cord H05RR-F 3G0,75-1-1,5  
 SP-022, with cord H05RN-F 3G0,75-1  
 SP-022, with cord H07RN-F 3G1-1,5  
 SP-022, with cord 05VA5V-F 3G0,75-1  
 SP-022, with cord H03Z1Z1-F 3G0,75  
 SP-022, with cord H05Z1Z1-F 3G0,75-1-1,5

**Trade mark**

**Certificate Holder/  
Manufacturer**



**Technical information** 16 A, 250 V~, IP20

**Other information** Standard sheet CEE7 / VII

**The product is certified according to the following standard(s)** IEC 60884-1:2002 (Ed 3) + A1:2006  
SFS 5610:2004 + A1:2008

**Validity** This certificate is valid until 25 January 2015 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.

**Date of issue** 21 March 2011

**SGS Fimko Ltd**

**Signature**

Sixten Lökfors  
Project Manager



This certificate has 1 appendix



This certificate is issued by the company under its General Conditions for Certification Services accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm). 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.

SGS Fimko Ltd.

Särkiniementie 3 P.O.Box 30 FI-00211 Helsinki, Finland  
t. +358 9 696 361 f. +358 9 692 5474 [www.fi.sgs.com](http://www.fi.sgs.com)

Business ID 0978538-5 Member of the SGS Group (SGS SA) security printing ltd switzerland





**Manufacturing site(s)****Additional information****Alternative types**

SP-022

SP-022.

05VA5V-F (H05VV-F like with Al tape screen and copper wires around conductors)

The product has certificates FI 6073 issued by SGS Fimko Ltd and DE1-46923 issued by VDE in accordance with the CB system.

This certificate replaces NCS/FI certificate No. 25607 dated 25 January 2010, due to added cord type and information.

**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 5

# ÖVE-CERTIFICATE

including the entitlement to use the Austrian Safety Mark



Certificate No.: **8556-003-12**

Valid from: 2013 10 27  
until: 2015 10 27

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

Company:

Product: **Non rewirable two pole plug with dual earthing system**

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). **2936, 2768, 2547, 2148, 1942, 1065-723/99-NA1/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

Officially signed by K. Wallner

on behalf of W. Martin

Email=k.wallner@ove.at

Dipl.-Ing. W. Martin

Vienna, 2013 08 21



**ÖVE – 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





Österreichischer Verband  
für Elektrotechnik

Certificate No.: 8556-003-12  
Date: 2013 08 21  
Page 2 of 5

**Manufacturer:**

**Factory location(s):**

**Tested and certified according to:**

ÖVE/ÖNORM IEC 60884-1:2005-09-01  
ÖVE/ÖNORM E 8684-1:2010-03-01

**Product: Non rewirable two pole plug with dual earthing system**

**Type designation:**

**Trademark:**

*Rating:*

---

**SP-022**

Rated voltage: AC 250 V  
Rated current: 16 A  
H03VV-F 3 G 0,75

**SP-022**

Rated voltage: AC 250 V  
Rated current: 16 A  
H05VV-F 3 G 0,75

**SP-022**

Rated voltage: AC 250 V  
Rated current: 16 A  
H05VV-F 3 G 1

**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





**SP-022**

Rated voltage: AC 250 V  
Rated current: 16 A  
H05VV-F 3 G 1,5

**SP-022**

Rated voltage: AC 250 V  
Rated current: 16 A  
H05RR-F 3 G 0,75

**SP-022**

Rated voltage: AC 250 V  
Rated current: 16 A  
H05RR-F 3 G 1

**SP-022**

Rated voltage: AC 250 V  
Rated current: 16 A  
H05RR-F 3 G 1,5

**SP-022**

Rated voltage: AC 250 V  
Rated current: 16 A  
H05RN-F 3 G 0,75

**SP-022**

Rated voltage: AC 250 V  
Rated current: 16 A  
H05RN-F 3 G 1

**SP-022**

Rated voltage: AC 250 V  
Rated current: 16 A  
05VA5A-F 3 G 0,75

**SP-022**

Rated voltage: AC 250 V  
Rated current: 16 A  
05VA5A-F 3 G 1

**SP-022**

Rated voltage: AC 250 V  
Rated current: 16 A  
H05Z1Z1-F 3 G 0,75

**SP-022**

Rated voltage: AC 250 V  
Rated current: 16 A  
H05Z1Z1-F 3 G 1

**SP-022**

Rated voltage: AC 250 V  
Rated current: 16 A  
H05Z1Z1-F 3 G 1,5

**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





**SP-022**

Rated voltage: AC 250 V

Rated current: 16 A

H07RN-F 3 G 1

**SP-022**

Rated voltage: AC 250 V

Rated current: 16 A

H07RN-F 3 G 1,5

**SP-022**

Rated voltage: AC 250 V

Rated current: 16 A

H03Z1Z1-F 3 G 0,75

**SP-023**

Rated voltage: AC 250 V

Rated current: 16 A

H03VV-F 3 G 0,75

**SP-023**

Rated voltage: AC 250 V

Rated current: 16 A

H05VV-F 3 G 0,75

**SP-023**

Rated voltage: AC 250 V

Rated current: 16 A

H05VV-F 3 G 1

**SP-023**

Rated voltage: AC 250 V

Rated current: 16 A

H05VV-F 3 G 1,5

**SP-023**

Rated voltage: AC 250 V

Rated current: 16 A

H05RR-F 3 G 0,75

**SP-023**

Rated voltage: AC 250 V

Rated current: 16 A

H05RR-F 3 G 1

**SP-023**

Rated voltage: AC 250 V

Rated current: 16 A

H05RR-F 3 G 1,5

**SP-023**

Rated voltage: AC 250 V

Rated current: 16 A

H05RN-F 3 G 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



**SP-023**

Rated voltage: AC 250 V

Rated current: 16 A

H05RN-F 3 G 1

**SP-023**

Rated voltage: AC 250 V

Rated current: 16 A

05VA5A-F 3 G 0,75

**SP-023**

Rated voltage: AC 250 V

Rated current: 16 A

05VA5A-F 3 G 1

**SP-023**

Rated voltage: AC 250 V

Rated current: 16 A

H05Z1Z1-F 3 G 0,75

**SP-023**

Rated voltage: AC 250 V

Rated current: 16 A

H05Z1Z1-F 3 G 1

**SP-023**

Rated voltage: AC 250 V

Rated current: 16 A

H05Z1Z1-F 3 G 1,5

**SP-023**

Rated voltage: AC 250 V

Rated current: 16 A

H07RN-F 3 G 1

**SP-023**

Rated voltage: AC 250 V

Rated current: 16 A

H07RN-F 3 G 1,5

**SP-023**

Rated voltage: AC 250 V

Rated current: 16 A

H03Z1Z1-F 3 G 0,75

**SP-023**

Rated voltage: AC 250 V

Rated current: 16 A

(H)05VV-F 3G0,75

---

**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



PID:

02113100

CID:

C.1993.495

## Certificato di approvazione

### Approval certificate

**IMQ, ente di certificazione accreditato,  
autorizza la ditta**

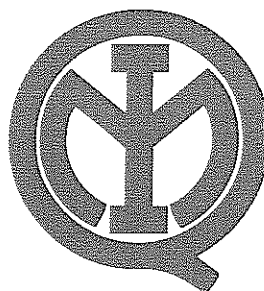
*IMQ, accredited certification body, grants to*

**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**

**Spine indissolubilmente  
collegate al cavo  
( Rif. di tipo SP-022 )**

*for the following products*

*Non-rewirable plugs  
( Type ref. SP-022 )*

*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:

**1989-02-27**

Data di aggiornamento | Updated on

**2009-05-13**

Sostituisce | Replaces

**2008-01-16**



IMQ S.p.A.

**Allegato - Certificato di approvazione**  
**Annex - Approval certificate**Emesso il / Issued on 1989-02-27  
Data di aggiornamento / Updated on 2009-05-13  
Sostituisce / Replaces 2008-01-16**Prodotto | Product****Spine indissolubilmente collegate al cavo**  
**Non-rewirable plugs****Concessionario | Licence Holder****Marchio | Mark**

IMQ

**Costruito a | Manufactured at**98001046 CLISHE.CO2LCISHE+2  
98001045 CLISHE.CO2LCISHE+1  
95002261 CLISHE.CO1LCISHE.C  
PIJ00091 CO2702551

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**

CEI 23-50 - II Ed. 2007 + V1:2008

**Standards**

CEI 23-50 - II Ed. 2007 + V1:2008

**Rapporti | Test Reports**

26LJ00017

**Caratteristiche tecniche | Technical characteristics**

Designazione / Type designation **2P+T+T S31 / 2P+E+E S31**  
Tensione nominale / Rated voltage **250 V**  
Corrente nominale / Rated current **16 A**  
Grado di protezione / Degree of protection (IP) **IP20**  
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)**

DAT94004220.1

Marca / Trade mark  
Riferimento di tipo / Type reference  
Tipo di cavo / Type of cable **H03VV-F**  
Sezione nominale / Section areas **3G0,75 mm<sup>2</sup>**

DAT94004220.2

Marca / Trade mark  
Riferimento di tipo / Type reference  
Tipo di cavo / Type of cable **H05VV-F**  
Sezione nominale / Section areas **3G0,75 mm<sup>2</sup>**

DAT94004220.3

Marca / Trade mark



*Riferimento di tipo | Type reference**Tipo di cavo | Type of cable* **H05VV-F***Sezione nominale | Section areas* **3G1,00 mm<sup>2</sup>**

DAT94004220.4

*Marca | Trade mark**Riferimento di tipo | Type reference**Tipo di cavo | Type of cable* **H05VV-F***Sezione nominale | Section areas* **3G1,50 mm<sup>2</sup>**

AR.F0010X

*Marca | Trade mark**Riferimento di tipo | Type reference**Tipo di cavo | Type of cable* **H05RR-F***Sezione nominale | Section areas* **3G0,75 mm<sup>2</sup>**

AR.F0010Y

*Marca | Trade mark**Riferimento di tipo | Type reference**Tipo di cavo | Type of cable* **H05RR-F***Sezione nominale | Section areas* **3G1,00 mm<sup>2</sup>**

AR.F0010Z

*Marca | Trade mark**Riferimento di tipo | Type reference**Tipo di cavo | Type of cable* **H05RR-F***Sezione nominale | Section areas* **3G1,50 mm<sup>2</sup>**

AR.F00110

*Marca | Trade mark**Riferimento di tipo | Type reference**Tipo di cavo | Type of cable* **H05RN-F***Sezione nominale | Section areas* **3G0,75 mm<sup>2</sup>**

AR.F00111

*Marca | Trade mark**Riferimento di tipo | Type reference**Tipo di cavo | Type of cable* **H05RN-F***Sezione nominale | Section areas* **3G1,00 mm<sup>2</sup>**

AR.F00112

*Marca | Trade mark**Riferimento di tipo | Type reference**Tipo di cavo | Type of cable* **H07RN-F***Sezione nominale | Section areas* **3G1,00 mm<sup>2</sup>**

AR.F00113

*Marca | Trade mark**Riferimento di tipo | Type reference**Tipo di cavo | Type of cable* **H07RN-F***Sezione nominale | Section areas* **3G1,50 mm<sup>2</sup>**

AR.H00E8M

*Marca | Trade mark**Riferimento di tipo | Type reference**Tipo di cavo | Type of cable* **05VA5V-F***Sezione nominale | Section areas* **3G0,75 mm<sup>2</sup>**

AR.H00E8N

*Marca | Trade mark**Riferimento di tipo | Type reference**Tipo di cavo | Type of cable* **05VA5V-F***Sezione nominale | Section areas* **3G1,00 mm<sup>2</sup>**

AR.J003MV

*Marca | Trade mark**Riferimento di tipo | Type reference**Tipo di cavo | Type of cable* **H05Z1Z1-F**

Sezione nominale | Section areas **3G0,75 mm<sup>2</sup>**

AR.J003MW

Marca | Trade mark  
Riferimento di tipo | Type reference  
Tipo di cavo | Type of cable **H05Z1Z1-F**  
Sezione nominale | Section areas **3G1,00 mm<sup>2</sup>**

AR.J003MX

Marca | Trade mark  
Riferimento di tipo | Type reference  
Tipo di cavo | Type of cable **H05Z1Z1-F**  
Sezione nominale | Section areas **3G1,50 mm<sup>2</sup>**

### Ulteriori informazioni | Additional Information

Le spine sono marcate con il seguente suffisso aggiuntivo che identifica il luogo di produzione:

La spina rif.di tipo SP-022 è prodotta con il seguente inserto:  
Marca GEM, art. 98651A-VDE, colore nero.

The plugs are marked with the following additional suffix which identifies the manufacturing location:

The non-rewirable plug type ref. SP-022 is manufactured with the following insert:  
Trade mark GEM, art. 98651A-VDE, black color.

### Componenti | Component List

#### Type ref. SP-022

Tipo   Type	(*)	Costruttore   Manufacturer	Riferimento   Type Ref.	Dati   Data	Norme   Standard (*)	Marchi   Marks
Cavo   Cable	2			H03VV-F, H05VV-F, H05RR-F, H05RN-F, H07RN-F, 05VA5V-F, H05Z1Z1-F	-	VDE

Emesso il | Issued on

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

DAT94004220 5TJ.021100.DA19

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

4



IMQ S.p.A.



LCIE

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



# LICENCE



LCIE N° 583329

Délivrée à:  
*Delivered to:*

Site de fabrication:  
*Factory:*

Voir en annexe 1  
*See in annex 1*

Produit:  
*Product:*

FICHE DE PRISE DE COURANT  
*PLUG*

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

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

SP-022, SP-023

Caractéristiques nominales et principales:  
*Rating and principal characteristics:*

16A, 250V~, 2P+2T/2P+2E  
*voir annexe 2/see annex 2*

Informations complémentaires:  
*Additional informations:*

Ajout de l'usine/*addition of the factory n°1786AP*  
Ajout des câbles/*addition of cables H07RN-F, H05RN-F, H05Z1Z1-F*

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

NF C 61-314:2008

Documents pris en compte:  
*Relevant documents:*

Certificats d'essai OC / CB test certificates n°DE1- 40634 / TR n°  
1276300-1560-0003/106854, FI 5640 / TR 254314-1

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

Licence n°558756A du 2007-05-22

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.*

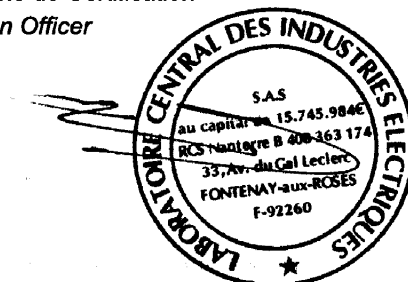
Fontenay-aux-Roses, 2009-04-21

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

Date limite de validité :  
*Limit expired date :*

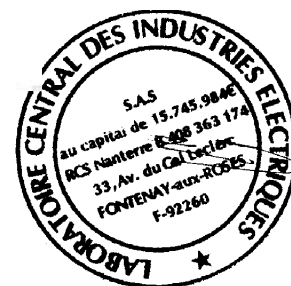
**Didier BOURGES**  
Responsable de Certification  
*Certification Officer*

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 :



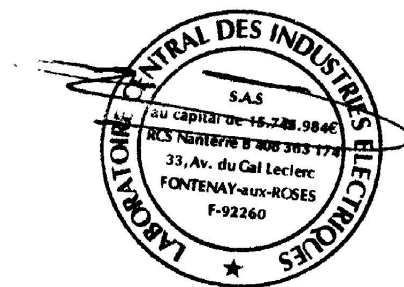


## CARACTÉRISTIQUES NOMINALES ET PRINCIPALES RATING AND PRINCIPAL CHARACTERISTICS

### CLASSIFICATION

Feuille de norme <i>Standard Sheet</i>	V
Courant nominal / <i>Rated current (A)</i> Tension nominale / <i>Rated voltage (V)</i>	16A 250V
Degré de protection <i>Degree of protection</i>	IP20
Présence de contact de terre <i>Provision for earthing</i>	Avec double contact de terre <i>With dual earthing contact</i>
Procédé de raccordement du câble <i>Method of connecting the cable</i>	Non démontable <i>Non-rewirable</i>
Type de connexion <i>Type of connections</i>	Sertie <i>Crimped</i>
Classe du matériel <i>Class of equipment</i>	I
Couleur / <i>Colour</i>	Noir, gris. <i>Black, grey</i>
Entrée de câble <i>Cable entry</i>	Longitudinale (SP-022) / Latérale (SP-23) <i>Longitudinal (SP-022) / Lateral (SP-23)</i>

Composants <i>Components</i>	Modèle <i>Model</i>	Fabricant <i>Manufacturer</i>	Conformité <i>Conformity</i>
Câble / <i>Cable</i>	H03VV-F 3G0,75		NF USE
	H05VV-F 3G0,75 / 1 / 1,5		NF USE
	H05RR-F 3G0,75 / 1 / 1,5		VDE
	H05RN-F 3G0,75		VDE
	H05RN-F 3G1		SGS FIMKO
	H07RN-F 3G1		OVE
	H07RN-F 3G1,5		USE HAR
	H05Z1Z1-F 3G0,75 / 1 / 1,5		VDE



## 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: 1276300-1550-0802 / 151575

*File ref.:*

Ausweis-Nr. 40001560

Blatt 1

*Certificate No.*

*Page*

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

Offenbach, 2002-05-22

(letzte Änderung/updated 2012-01-26 )

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.*  
1276300-1550-0802 / 151575 / FG31 / E

letzte Änderung / *updated* Datum / *Date*  
2012-01-26 2002-05-22

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40001560  
*This supplement is only valid in conjunction with page 1 of the Certificate No. 40001560.*

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

Typ(en) / *Type(s)*:

**1 IS-034**  
**2 IS-039**

Bemessungsspannung AC 250 V  
*Rated voltage*

Bemessungsstrom 2,5 A  
*Rated current*

Polzahl 2-polig mit Schutzkontakt  
*Number of poles 2-pole with earthing contact*

Bauart Normblatt C5  
*Kind of construction standard sheet C5*

Anmerkung(en) Gerätesteckdosen 2,5 A mit Schutzkontakt müssen Teil einer  
Geräteanschlußleitung oder einer  
Weiterverbindungs-Geräteanschlußleitung sein.  
*Remark(s) Connectors 2,5 A with earthing contact shall be part of a  
cord set or interconnection cord set*

Kennzeichnung der Fertigungsstätte(n) 30006550: "C"  
*Marking of manufacturingplace(s)*

Produktinformation siehe Anlage Nr. 300 + 301 + 400 + 900  
*Product information see Appendix No. 300 + 301 + 400 + 900*

Fortsetzung siehe Blatt 3 /  
*continued on page 3*

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

Aktenzeichen / *File ref.*

1276300-1550-0802 / 151575 / FG31 / E

letzte Änderung / *updated* Datum / *Date*

2012-01-26

2002-05-22

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40001560  
*This supplement is only valid in conjunction with page 1 of the Certificate No. 40001560.*

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*



**VDE Prüf- und Zertifizierungsinstitut**  
**Zeichengenehmigung**

Ausweis-Nr. / Beiblatt /  
Certificate No. Supplement  
40001560

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

Aktenzeichen / *File ref.*

1276300-1550-0802 / 151575 / FG31 / E

letzte Änderung / *updated* Datum / *Date*

2012-01-26

2002-05-22

Dieses Beiblatt ist Bestandteil des Zeichengenehmigungsausweises Nr. 40001560.

*This supplement is part of the Certificate No. 40001560.*

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

**Fertigungsstätte(n)**

***Place(s) of manufacture***

Referenz/*Reference*

**30006550**

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

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

Aktenzeichen / *File ref.*

1276300-1550-0802 / 151575 / FG31 / E

letzte Änderung / *updated* Datum / *Date*

2012-01-26

2002-05-22

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40001560  
*This supplement is only valid in conjunction with page 1 of the Certificate No. 40001560.*

**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](http://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](http://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: **1276300-1550-0802/151575**  
 File reference:

Ausweis-Nr.: **40001560**  
 Certificate No.:

Anlage Nr.: **400**  
 Appendix No.:

Seite: **1 / 1**  
 Page:

Datum: **2012-01-26**  
 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**

**abgewinkelte Leitungseinführung**  
**angled cable entry**

**Fertigungsstätte / Place of manufacture:**

**30006550** : Kennzeichnung / Identification : **- C -**

Werkstoff der Umspritzung:  
 Material of the moulding:

Typ: Farbe  
 Type: colour  
 PVC (TT-01) alle Farben / all colours  
 Dongguan Tai Tung Electric Wire Co., Ltd.

Werkstoff der Trägereile:  
 Material of the base:

Typ: Hersteller; Farbe  
 Type: manufacturer; colour  
 Nylon 66+30% GF Typ(e) Crastin; SK652FR NC010  
 Du Pont  
 schwarz / black

Inneneinsatz:  
 Insert:

Typ: Hersteller  
 Type: manufacturer

		<b>X</b> $\Delta$ <b>genehmigte Ausführung / approved version</b>								<b>---</b> $\Delta$ <b>nicht genehmigt / not approved</b>									
Position im VDE-Ausweis Position in VDE-licence		H03VV-F 3G 0,75 mm <sup>2</sup>		H05VV-F 3G 0,75 mm <sup>2</sup>		H05VV-F 3G 1,0 mm <sup>2</sup>		H05RR-F 3G 0,75 mm <sup>2</sup>		H05RR-F 3G 1,0 mm <sup>2</sup>		H05RN-F 3G 0,75 mm <sup>2</sup>		H05RN-F 3G 1,0 mm <sup>2</sup>		H05V2V2-F 3G 0,75 mm <sup>2</sup>		H05V2V2-F 3G 1,0 mm <sup>2</sup>	
2	Typ(en) Type(s)	Leitungsaufdruck Marking on cable																	
	IS-039	X	X	X	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---



# CERTIFICATE

Issued to:  
Applicant:

Manufacturer/Licensee:

Product(s) : appliance connectors; (2-pole)  
Trade name(s) :  
Type(s)/model(s) : IS-034, IS-039

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

DEKRA 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

DEKRA 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.

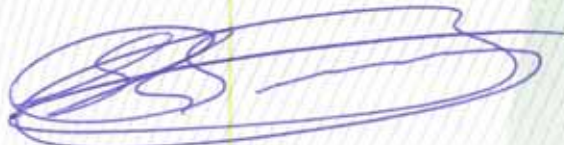
This certificate is issued on: 2 September 2011 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2146922.01

DEKRA Certification B.V.



drs. G.J. Zoetbrood  
Managing Director



H.L. Schendstok  
Certification Manager

© Integral publication of this certificate is allowed

All testing, inspection, auditing and certification activities of the former KEMA Quality are an integral part of the DEKRA Certification Group.

ACCREDITED BY  
THE DUTCH COUNCIL  
FOR ACCREDITATION



**SPECIFICATION OF THE CERTIFIED PRODUCT****Product data**

product	:	appliance connectors; (2-pole)
trade name	:	
types	:	IS-034, IS-039
rated current	:	2,5 A
rated voltage	:	250 V~
standard sheet	:	C5
temperature limit	:	T70
earthing	:	with earthing contact
design	:	non-rewirable
applied flexible cord	:	H03VV-F 3G0,75 mm <sup>2</sup> H05VV-F 3G0,75 and 3G1,0 mm <sup>2</sup> H03Z1Z1-F 3G0,75 mm <sup>2</sup> H05Z1Z1-F 3G0,75 and 3G1,0 mm <sup>2</sup>
certification mark	:	complies with the requirements
cord termination	:	crimped connection
description	:	body of thermoplastic material as part of a complete cord set for class I appliances
markings	:	are shown on the body

**Product data - type IS-034**

design : straight version

**Product data - type IS-039**

design : angled version

**TESTS****Test requirements**

EN 60320-1:2001 + A1:2007

**Test result**

The test results are laid down in DEKRA test file 2146922.01.

**Remarks**

This certificate replaces our certificate 2124046.01 dated 2124046.01 dated 2009-03-19 and is also based on the SGS FIMKO CB FI-6792 and FI-6793.

**Conclusion**

The examination proved that all test requirements were met.

Tested by : SGS Fimko Ltd.

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. 17317 replaces No.16014

Issued to:  
Applicant:



Licensee:



Product : connectors (2-pole) for class I appliances  
 Trade name(s) :  
 Type(s)/model(s) : IS-034, IS-039

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:

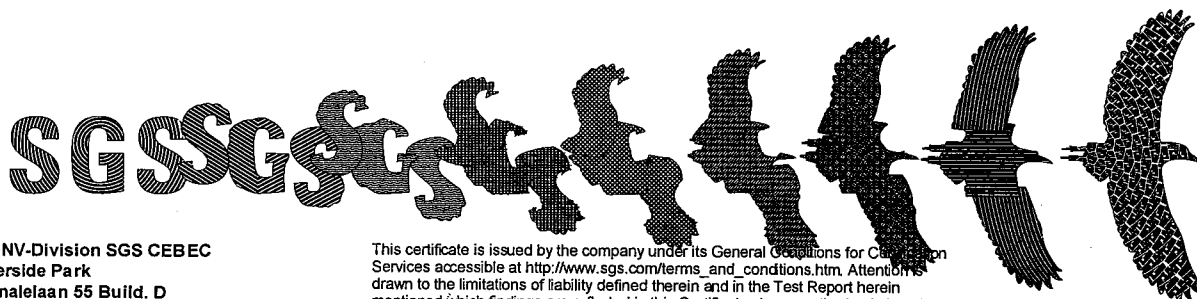
- a type test according to the standard specified in annex
- an inspection of the production location
- a certification agreement with the number 809

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 : 18/07/2011

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](http://www.sgs.com/ee)



SGS Belgium NV-Division SGS CEBEC  
 Business Riverside Park  
 Bld Internationaaleaan 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](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-034, IS-039
rated current (In)	:	2,5 A
rated voltage (Un)	:	250 V~
standard sheet	:	C5
temperature limit (t max)	:	cold conditions
design	:	non-rewirable
earthing	:	with earthing contact
applied flexible cord(s)	:	H03VV-F 3G0.75 mm <sup>2</sup> H05VV-F 3G0.75-1.0 mm <sup>2</sup>
applied flexible cord(s) (cont'd)	:	H03Z1Z1-F 3G0.75 mm <sup>2</sup> H05Z1Z1-F 3G0,75-1.0 mm <sup>2</sup>
certification mark	:	complies with the requirements
cord(s) termination	:	crimped connection
description	:	body of thermoplastic material
markings	:	are shown on the body

### Product data - type IS-034

construction	:	straight version
--------------	---	------------------

### Product data - type IS-039

construction	:	angled version
--------------	---	----------------

## 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.591369/01

**Remarks**

This certificate is based on certificate ref. CB FI 6792 & FI 6793 and test report(s) ref. 263665-2a & 263665-2b

**Conclusion**

The examination proved that all test requirements were met.

Checked by, project leader : Zanutto Luigi - 18/07/2011  
Department Manager, :  
Product Certification :  
Certification Manager :  2011-07-18

**FACTORY LOCATION(S)**

# DEMKO CERTIFICATE

**Certificate No.** D-00419  
**Page** 1/3  
**Date of Issue** 2011-07-18

**Certificate Holder**

**Manufacturer**

**Production site** See Page 2

**Certified Product Model** Connector, non-rewirable  
IS-034, IS-039

**Trademark**

**Rated Voltage / Frequency** 250 V~

**Rated Current / Power** 2,5 A

**Insulation Class**

**Degree of protection (IP)** 20

**Tested acc. to** EN 60320-1:2001, EN 60320-1:2001/A1:2007

**Test Report No.** NCS/FI 26889 issued on 2011-06-28

**Additional** See Page 2

**Expire date** 2016-06-28

---

**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, 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.** D-00419  
**Page** 2/3  
**Date of Issue** 2011-07-18

Production Sites:



External Certification Information:

NCS/FI 26889, issued 2011-06-28 by SGS Fimko Ltd.

Additional Information:

IS-034 with cord H03VV-F 3G0,75mm<sup>2</sup>  
IS-039 with cord H03VV-F 3G0,75mm<sup>2</sup>  
IS-034 with cord H05VV-F 3G0,75-1mm<sup>2</sup>  
IS-039 with cord H05VV-F 3G0,75-1mm<sup>2</sup>  
IS-034 with cord H03Z1Z1-F 3G0,75mm<sup>2</sup>  
IS-039 with cord H03Z1Z1-F 3G0,75mm<sup>2</sup>  
IS-034 with cord H05Z1Z1-F 3G0,75-1mm<sup>2</sup>  
IS-039 with cord H05Z1Z1-F 3G0,75-1mm<sup>2</sup>

Standard sheet C5

IS-034 straight version, with two alternative cord-anchorage  
IS-039 angled version

This certificate replaces the certificate No. D-313727-02, dated 2009-06-11 due to new CB testing.

**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](mailto:info.dk@dk.ul.com)  
[www.ul-europe.com](http://www.ul-europe.com)



# Appendix DEMKO Certificate

Certification Mark

D-mark

Certificate No.

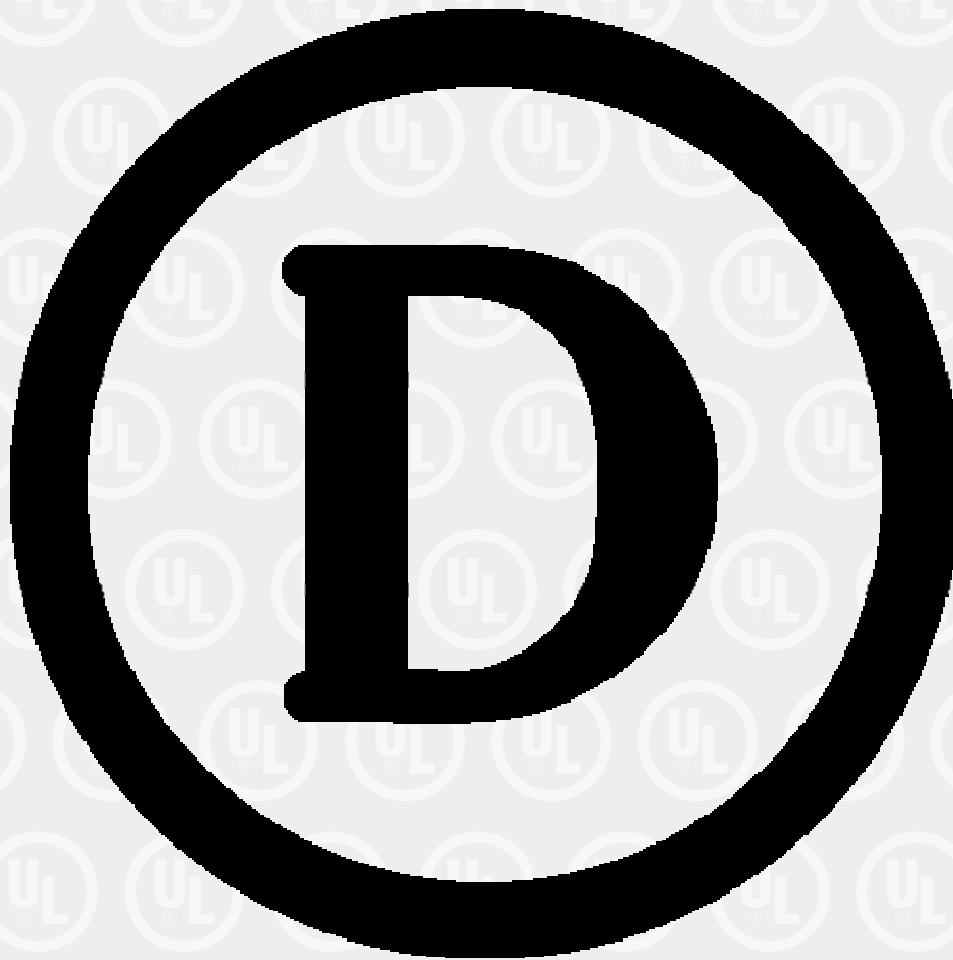
D-00419

Page

3/3

Date of Issue

2011-07-18



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](mailto:info.dk@dk.ul.com)  
[www.ul-europe.com](http://www.ul-europe.com)



# Certificate



Intertek

for European Product Safety

Reference No. 1117921

## Connector, non-rewirable

Type designation IS-034, IS-39

Certificate holder

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

Date of expiry 12 July 2016

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

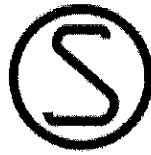
Per Brändström

Date 12 July 2011

Page 1 of 3

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





Intertek  
**Appendix**

Reference No. 1117921

*Technical data*

Type designation	IS-034, IS-039
Rated voltage (V)	250 V~
Rated current (A)	2,5 A
IP-Class	20
Type of cord	H03VV-F 3G0,75 H05VV-F 3G0,75-1 H03Z1Z1-F 3G0,75 H05Z1Z1-F 3G0,75-1
Standard sheet	C5
Brand name:	I-SHENG
Product information	IS-034 straight version, with two alternative cord- anchorages IS-039 angled version

*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. 1117921


This certificate is based on a certificate with ref. No. NCS/FI 26889 dated 28 June 2011, issued by SGS FIMKO LTD according to the Nordic Certification Service Agreement.

This certificate replaces previously issued ref. No. 907758 dated 17 June 2009 and ref. No. 902621 dated 10 March 2009.

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



Per Brändström

Date 12 July 2011

*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.*

Order No. 180707

Page 1/3

Product Connector

Applicant

Manufacturer

Factory

See page 3

Ratings

2.5A 250V AC

Trade mark

Model / Type Ref.

IS-034

Principal characteristics

Non-rewirable connector, with cord H03VV-F 3G0.75mm<sup>2</sup>. Standard Sheet C5. Straight version with two alternative cord-anchorages. 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 14-07-2011



Signature

Skule Moe

Certification Department

Nemko AS

Office address

Internet

Telephone

Fax

P.O. Box 73, Blindern

Gaustadalléen 30

[www.nemko.com](http://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-034  
Trade mark (if different from page 1)  
Rating 2.5A 250V AC  
Principal characteristics Non-rewirable connector, with cord H03Z1Z1-F 3G0.75mm<sup>2</sup>. Standard Sheet C5. Straight version with two alternative cord-anchorages. IP20.

Product Connector  
Pos. No 2  
Model / Type Ref. IS-039  
Trade mark (if different from page 1)  
Rating 2.5A 250V AC  
Principal characteristics Non-rewirable connector, with cord H03Z1Z1-F 3G0.75mm<sup>2</sup>. Standard Sheet C5. Angled version. IP20.

Product Connector  
Pos. No 3  
Model / Type Ref. IS-034  
Trade mark (if different from page 1)  
Rating 2.5A 250V AC  
Principal characteristics Non-rewirable connector, with cord H05Z1Z1-F 3G0.75-1mm<sup>2</sup>. Standard Sheet C5. Straight version with two alternative cord-anchorages. IP20.

Product Connector  
Pos. No 4  
Model / Type Ref. IS-039  
Trade mark (if different from page 1)  
Rating 2.5A 250V AC  
Principal characteristics Non-rewirable connector, with cord H05Z1Z1-F 3G0.75-1mm<sup>2</sup>. Standard Sheet C5. Angled version. IP20.

Date of issue 14-07-2011



Signature

Skule Moe

Certification Department

Nemko AS

Office address

Internet

Telephone

Fax

P.O. Box 73, Blindern

Gaustadalléen 30

[www.nemko.com](http://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	5
Model / Type Ref.	IS-034
Trade mark (if different from page 1)	
Rating	2.5A 250V AC
Principal characteristics	Non-rewirable connector, with cord H05VV-F 3G0.75-1mm <sup>2</sup> . Standard Sheet C5. Straight version with two alternative cord-anchorages. IP20.
Product	Connector
Pos. No	6
Model / Type Ref.	IS-039
Trade mark (if different from page 1)	
Rating	2.5A 250V AC
Principal characteristics	Non-rewirable connector, with cord H03VV-F 3G0.75mm <sup>2</sup> . Standard Sheet C5. Angled cable entry. IP20.
Product	Connector
Pos. No	7
Model / Type Ref.	IS-039
Trade mark (if different from page 1)	
Rating	2.5A 250V AC
Principal characteristics	Non-rewirable connector, with cord H05VV-F 3G0.75-1mm <sup>2</sup> . Standard Sheet C5. Angled cable entry. IP20.

Factories:

Date of issue 14-07-2011



Signature

Skule Moe

Certification Department

Nemko AS

P.O. Box 73, Blindern

N-0314 Oslo, Norway

Office address

Gaustadalléen 30

Oslo

Internet

[www.nemko.com](http://www.nemko.com)

Telephone

+47 22 96 03 30

Enterprise number:

Fax

+ 47 22 96 05 50

NO 974404532



## CERTIFICATE NCS/FI 26889

Our Ref. 263665-2

**Product** Connector, non-rewirable

**Type** IS-034, with cord H03VV-F 3G0,75  
 IS-039, with cord H03VV-F 3G0,75  
 IS-034, with cord H05VV-F 3G0,75-1  
 IS-039, with cord H05VV-F 3G0,75-1  
 IS-034, with cord H03Z1Z1-F 3G0,75  
 IS-039, with cord H03Z1Z1-F 3G0,75  
 IS-034, with cord H05Z1Z1-F 3G0,75-1  
 IS-039, with cord H05Z1Z1-F 3G0,75-1

**Trade mark**

**Certificate Holder/  
 Manufacturer**

**Technical information** 2,5 A, 250 V~, IP20

**Other information** Standard sheet C5  
 IS-034 straight version, with two alternative cord-anchorages  
 IS-039 angled version

**The product is certified according to the following standard(s)** EN 60320-1:2001 + A1:2007

**Validity** This certificate is valid until 28 June 2016 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** 28 June 2011

**Signature** **SGS Fimko Ltd**

Sixten Lökfors  
 Project Manager

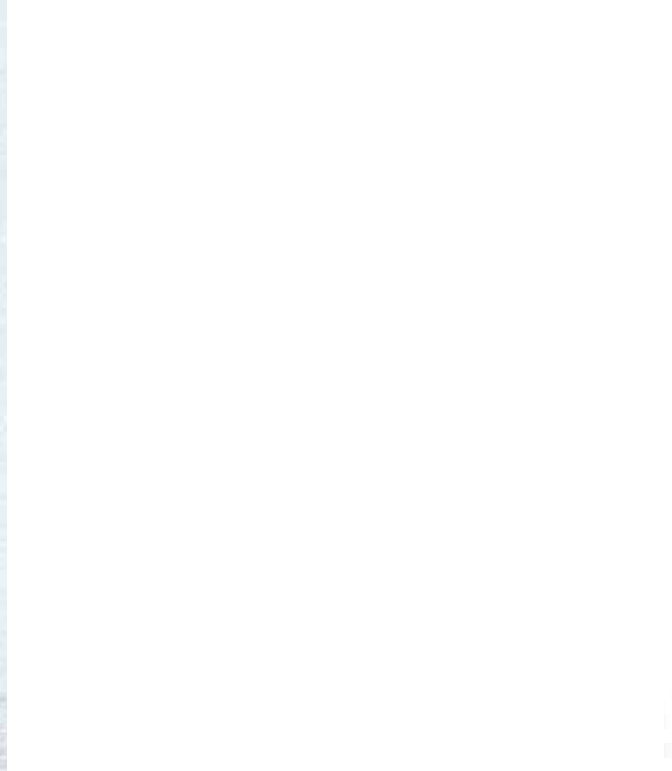


This certificate has 1 appendix



This certificate is issued by the company under its General Conditions for Certification Services accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm). 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.

**Manufacturing site(s)**



**Additional information**

The product has certificates FI 6792 and FI 6793 issued by SGS Fimko Ltd. in accordance with the CB system.

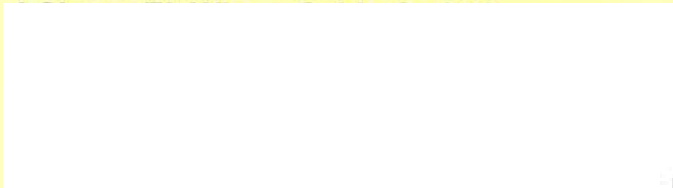
This certificate replaces FI certificate No. 25031 M1 dated 27 May 2011, due to new CB testing.



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Swiss Confederation

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



Client no.  
1451

Your ref.  
Kelly chien

Our Ref.  
Gn

Date  
2011/07/12


## Authorization

Number: **11.0574**  
valid until: **2014/07/11**

Marking:  Company Logo

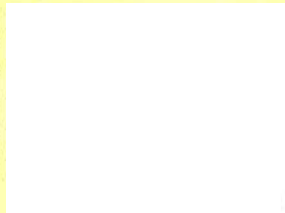
Based on the documents contained in file **11-BS-0228** the Federal Inspectorate for Heavy Current Installations grants the firm named above the right, to put the equipment listed below on the market marked with the safety mark in accordance with the NEV.

Equipment: **Connector, non-rewirable**

Tradename: 

Type designation: Nominal values:

IS-034 250V~ 2.5A L+N+PE  
standard sheet C5, straight version  
non rewirable with cord:  
H03VV-F 3G0.75mm<sup>2</sup>  
H05VV-F 3G0.75mm<sup>2</sup>  
H05VV-F 3G1.00mm<sup>2</sup>  
H03Z1Z1-F 3G0.75mm<sup>2</sup>  
H05Z1Z1-F 3G0.75mm<sup>2</sup>  
H05Z1Z1-F 3G1.00mm<sup>2</sup>



Federal Inspectorate for Heavy Current Installations ESTI  
Luppenstrasse 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





IS-039 250V~ 2.5A L+N+PE  
standard sheet C5, angled version  
non rewirable with cord:  
H03VV-F 3G0.75mm<sup>2</sup>  
H05VV-F 3G0.75mm<sup>2</sup>  
H05VV-F 3G1.00mm<sup>2</sup>  
H03Z1Z1-F 3G0.75mm<sup>2</sup>  
H05Z1Z1-F 3G0.75mm<sup>2</sup>  
H05Z1Z1-F 3G1.00mm<sup>2</sup>

Protection class: for class I equipment

Protection degree: ordinary

Basis: CB / SGS Fimko / FI 6792 dated 2011/06/28  
CB / SGS Fimko / FI 6793 dated 2011/06/28

Remark: **Manufacturing sites:**



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

Federal Inspectorate for Heavy Current Installations ESTI

A handwritten signature in blue ink, appearing to read 'P. Fluri'.

P. Fluri  
Head of Market Surveillance/Authorization of the Safety Mark

**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

# ÖVE-CERTIFICATE

including the entitlement to use the Austrian Safety Mark



Certificate No.: **8556-020-10**

Valid from: 2012 10 01  
until: 2014 10 01

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). **2813, 2526, 1238-844/00-NA1.**

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

Vienna, 2012 08 28

Dipl.-Ing. W. Martin



**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





Österreichischer Verband  
für Elektrotechnik

Certificate No.: 8556-020-10  
Date: 2012 08 28  
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:**

**Trademark:**

**Rating:**

---

**IS-034**

Rated voltage: AC 250 V  
Rated current: 2,5 A  
H05VV-F 3 G 0,75

**IS-034**

Rated voltage: AC 250 V  
Rated current: 2,5 A  
H05VV-F 3 G 1

**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





**IS-034**

Rated voltage: AC 250 V

Rated current: 2,5 A

H03VV-F 3 G 0,75

**IS-034**

Rated voltage: AC 250 V

Rated current: 2,5 A

H05Z1Z1-F 3 G 0,75

**IS-034**

Rated voltage: AC 250 V

Rated current: 2,5 A

H05Z1Z1-F 3 G 1

**IS-034**

Rated voltage: AC 250 V

Rated current: 2,5 A

H03Z1Z1-F 3 G 0,75

**IS-039**

Rated voltage: AC 250 V

Rated current: 2,5 A

H05VV-F 3 G 0,75

**IS-039**

Rated voltage: AC 250 V

Rated current: 2,5 A

H05VV-F 3 G 1

**IS-039**

Rated voltage: AC 250 V

Rated current: 2,5 A

H03VV-F 3 G 0,75

**IS-039**

Rated voltage: AC 250 V

Rated current: 2,5 A

H05Z1Z1-F 3 G 0,75

**IS-039**

Rated voltage: AC 250 V

Rated current: 2,5 A

H05Z1Z1-F 3 G 1

**IS-039**

Rated voltage: AC 250 V

Rated current: 2,5 A

H03Z1Z1-F 3 G 0,75

PIÙ:  
02115100  
CIDI:  
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-034 )***

*for the following products*

*Non-rewirable connectors  
( Type ref. IS-034 )*

*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*      **1998-01-14**  
*Aggiornato il / Updated on*      **2011-12-20**  
*Sostituisce / Replaces*      **2011-11-04**

  
IMQ S.p.A.

Allegato - Certificato di approvazione  
 Annex - Approval certificate

Emesso il / Issued on: 1998-01-14  
 Aggiornato il / Updated on: 2011-12-20  
 Sostituisce / Replaces: 2011-11-04

**Prodotto | Product**

**Prese di connettore indissolubilmente collegate al cavo  
 Non-rewirable connectors**

**Concessionario | Licence Holder**

**Marchio | Mark**



IMQ

**Costruito a | Manufactured at**

9801046 CLDHE.CDL.CDSHE-J  
 9801048 CLDHE.CDL.CDSHE-I  
 9802361 CLDHE.CDL.CDSHE.C  
 98100091 CDT702361

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**

26LL00102

**Caratteristiche tecniche | Technical characteristics**

Designazione / Type designation **2P+T foglio C5 / 2P+E S.S. C5**  
 Tensione nominale / Rated voltage **250 V**  
 Corrente nominale / Rated current **2,5 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)**

DA798000059

Marca / Trade mark  
 Riferimento di tipo / Type reference  
 Articolo/Riferimento a catalogo / Article/Catalogue reference **IS-034**  
 Tipo di cavo / Type of cable **H03VV-F**  
 Sezione nominale / Section areas **3G0,75 mm<sup>2</sup>**

46.A00255

Marca / Trade mark  
 Riferimento di tipo / Type reference  
 Articolo/Riferimento a catalogo / Article/Catalogue reference **IS-034**  
 Tipo di cavo / Type of cable **H05VV-F**

Sezione nominale / Section areas **3G0,75 mm<sup>2</sup>**

44.40035

Marca / Trade mark

Riferimento di tipo / Type reference

Articolo/Riferimento a catalogo / Article/Catalogue reference **IS-034**

Tipo di cavo / Type of cable **H05VV-F**

Sezione nominale / Section areas **3G1,00 mm<sup>2</sup>**

44.40037

Marca / Trade mark

Riferimento di tipo / Type reference

Articolo/Riferimento a catalogo / Article/Catalogue reference **IS-034**

Tipo di cavo / Type of cable **H03Z1Z1-F**

Sezione nominale / Section areas **3G0,75 mm<sup>2</sup>**

44.40039

Marca / Trade mark

Riferimento di tipo / Type reference

Articolo/Riferimento a catalogo / Article/Catalogue reference **IS-034**

Tipo di cavo / Type of cable **H05Z1Z1-F**

Sezione nominale / Section areas **3G0,75 mm<sup>2</sup>**

44.40040

Marca / Trade mark

Riferimento di tipo / Type reference

Articolo/Riferimento a catalogo / Article/Catalogue reference **IS-034**

Tipo di cavo / Type of cable **H05Z1Z1-F**

Sezione nominale / Section areas **3G1,00 mm<sup>2</sup>**

### Ulteriori informazioni | Additional Information

La validità del certificato è condizionata dal fatto che la presa di connettore venga collegata ad una spina certificata in accordo alle relative norme.

La presa riporta la seguente marcatura che identifica il luogo di produzione:

La presa di connettore rif. di tipo IS-034 è prodotta con il seguente inserto:  
marca: I-Sheng Plastic Co. Ltd. riferimento di tipo: IS-034.

La presa di connettore può essere equipaggiata con due differenti coduli.

This certificate is conditional upon a non rewirable plug certified to its own standard being fitted.

The non-rewirable connector is quoted with the following additional marking which identify the manufacturing location:

The non-rewirable connector type ref. IS-034 is manufactured with the following insert:  
Trade Mark: I-Sheng Plastic Co. Ltd. type reference: IS-034.

The connector can be equipped with two differents strain-reliefs.

### Componenti | Component List

#### Type ref. IS-034

Tipi / Type	(*)	Costruttore / Manufacturer	Riferimento / Type Ref	Deti / Data	Norme / Standard (*)	Marchi / Marks
Cavo / Cable	2/4	-	-	-	-	FMKO / VDE
Cavo / Cable	2/4	-	-	-	-	DMMEQU
Cavo / Cable	2/4	-	-	-	-	VDE
Cavo / Cable	2/4	-	-	-	-	VOE

Emesso il | Issued on **2009-05-21**      Data di aggiornamento | Updated on **2011-11-04**      Sostituisce | Replaces **2009-05-21**

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 characteristic
- 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

DAT98000059    MYL021108.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.





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



# LICENCE



LCIE N° 615085

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):*

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

IS-034

Caractéristiques nominales et principales:  
*Rating and principal characteristics:*

2,5A, 250V~  
*Voir annexe 2/see annex 2*

Informations complémentaires:  
*Additional informations:*

Ajout du câble H03Z1Z1-F/*addition cable H03Z1Z1-F*

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-6792 / TR n° 263665-2a

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

Licence n° 582011 du 2009-03-11

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.

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.

Fontenay-aux-Roses, 2011-08-05

Jean-François BRUEL  
Responsable de Certification  
*Certification Officer*

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.*





LCIE N°: 615085

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

Site de fabrication :  
Factory :





## CARACTÉRISTIQUES NOMINALES ET PRINCIPALES RATING AND PRINCIPAL CHARACTERISTICS

### Classification

Feuille de norme <i>Standard Sheet</i>	C5
Courant nominal <i>Rated current</i>	2,5A
Tension nominale <i>Rated voltage</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 <i>connectors for cold conditions</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>
Entrée de câble <i>Cable entry</i>	longitudinale <i>longitudinal</i>

### Câble / Cable

Type du câble <i>Type of cable</i>	Fabricant <i>Manufacturer</i>	Conformité <i>Conformity</i>
H03VV-F 3G0,75		FIMKO
H05VV-F 3G0,75/1		FIMKO
H03Z1Z1-F 3G0,75		
H05Z1Z1-F 3G0,75/1		

