
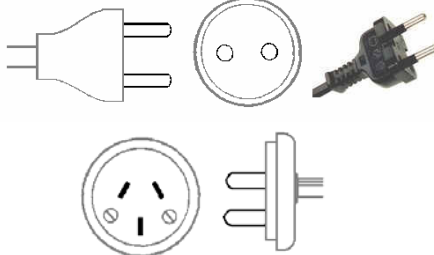

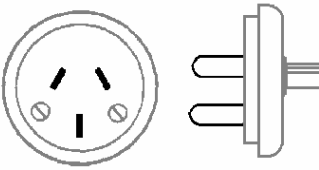

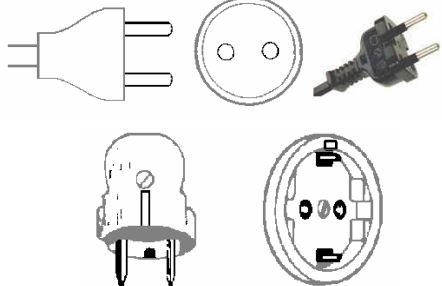

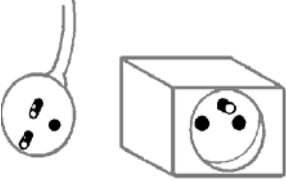

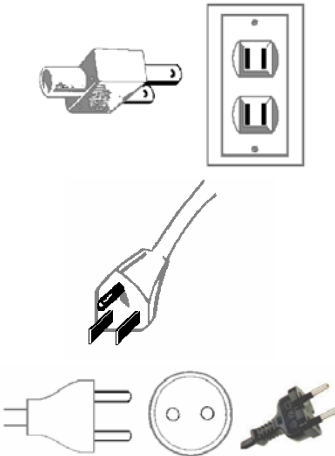

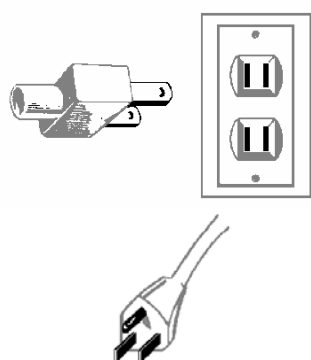

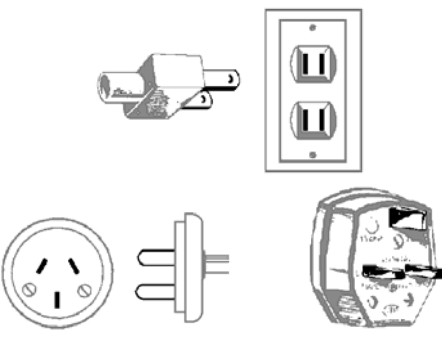

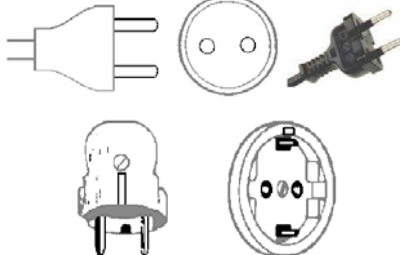

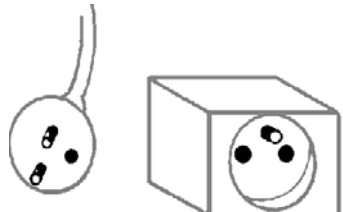

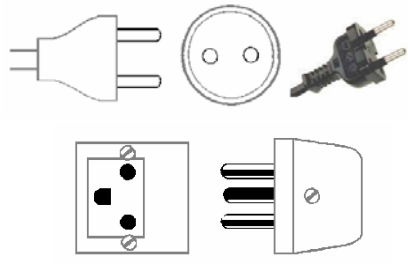


Name 国家名	Abbreviation 缩写	Mark 标记	Plug Pattern 插头模式	Voltage / Hz 电压 / 频率
Argentina (阿根廷)	IRAM			220V / 50Hz
Australia (澳大利亞)	C-Tick RCM Standard			230V / 50Hz *Outlets typically controlled by adjacent switch. Though <i>nominal</i> voltage has been officially changed to 230V, 240V is within tolerances and commonly found
Austria (奧地利)	OVE			230V / 50Hz
Belgium (比利时)	CEB			230V / 50Hz
Brazil (巴西)	UC			110 / 220V 60Hz


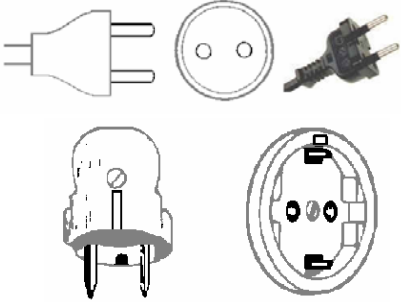

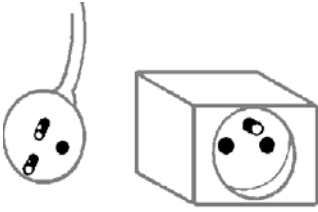

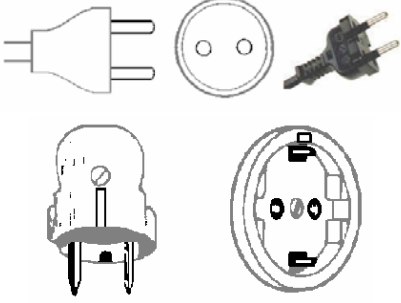

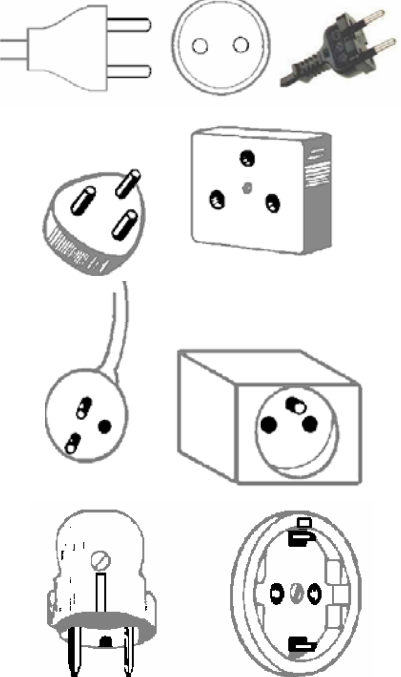
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<p>Canada (加拿大)</p>	<p>CSA</p>			<p>120V / 60Hz</p>
<p>China (中国)</p>	<p>CQC / CSBTS</p>			<p>220V / 50Hz</p> <p>The "official" plug type is like type A but slightly shorter and without holes in blades. Type A and I outlets are common, and Type G might also be found.</p>
<p>Croatia (克羅地亞)</p>				<p>230V / 50Hz</p>
<p>Czech Republic (捷克)</p>	<p>EZU</p>			<p>230V / 50Hz</p>
<p>Denmark (丹麦)</p>	<p>DEMKO</p>			<p>220V / 50Hz</p> <p>Denmark's connectors have slight differences from those used elsewhere. While pin diameter and spacing is standard, outlets may have different housing depths which could interfere with standard adaptors -- one report says this is due to "childproofing." Also, Plug C fits into K-type outlets (but not vice versa).</p>


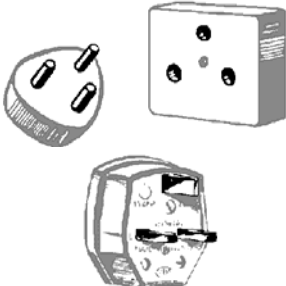
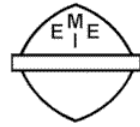
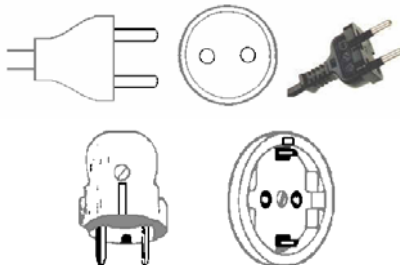

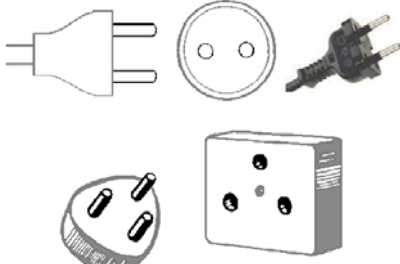

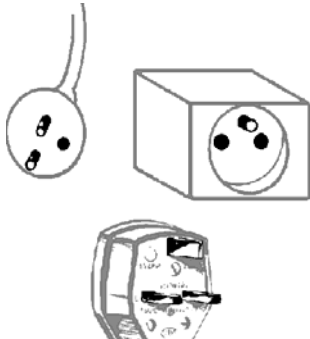

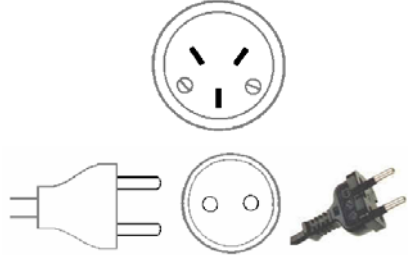
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<p>Finland (芬兰)</p>	<p>FIMKO</p>			<p>230V / 50Hz</p>
<p>France (法国)</p>	<p>AFNOR</p>			<p>230V / 50Hz</p> <p>Type C plugs may be found on some appliances, and will fit the Type E outlet. Type C outlets may be found in older buildings. Type A may be found in older buildings but is illegal.</p>
<p>Germany (德国)</p>	<p>VDE</p>			<p>230V / 50Hz</p>
<p>Greece (希腊)</p>	<p>ELOT</p>			<p>220V / 50Hz</p>


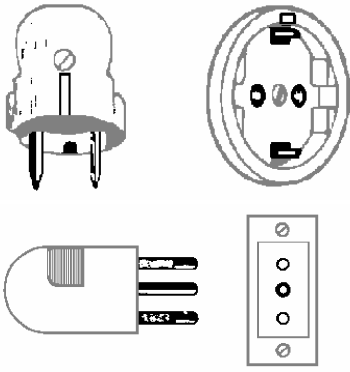
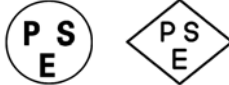
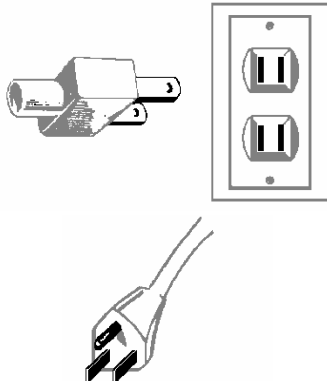

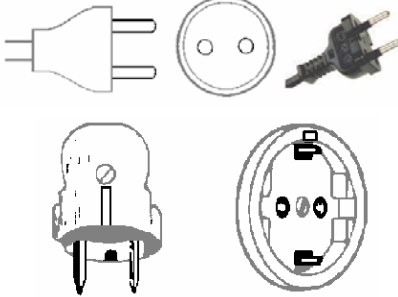



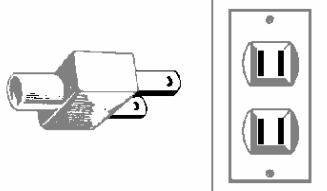
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<p>Hong Kong (香港)</p>	<p>HK</p>			<p>220V / 50Hz</p> <p>Type D replaced by Type G but still found.</p>
<p>Hungary (匈牙利)</p>	<p>MEEI</p>			<p>230V / 50Hz</p>
<p>India (印度)</p>	<p>BIS</p>	<p>LOGO</p> 		<p>240V / 50Hz</p>
<p>Ireland (爱尔兰)</p>	<p>NSAI</p>	 <p>U.S. XXXX : 19XX EN XXXXXX : 19XX IEC YYYY : 19YY</p>		<p>230V / 50Hz</p>
<p>Israel (以色列)</p>	<p>SII</p>			<p>230V / 50Hz</p> <p>*Many (but not all) modern electric outlets in Israel have larger holes that accept both Type H and C plugs. Some extension cords and older outlets accept only the Type H plug. One correspondent estimates a 50-70% chance that a randomly selected outlet will accept Type C</p>


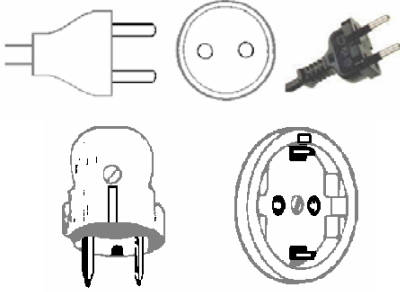

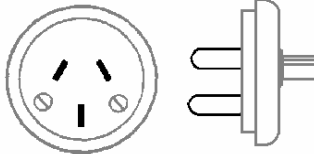

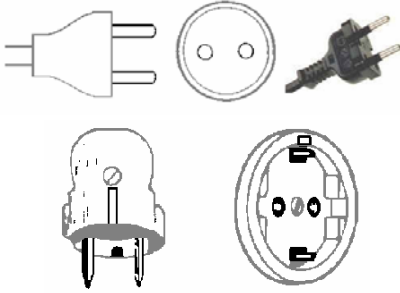

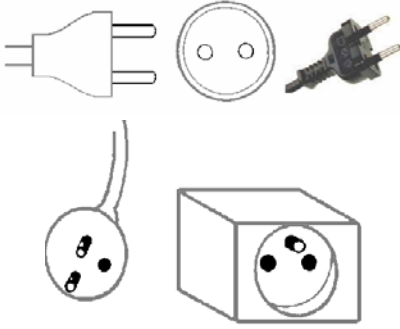

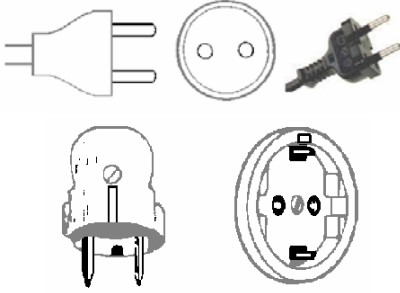
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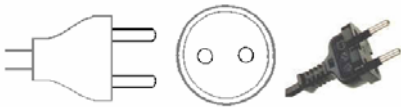

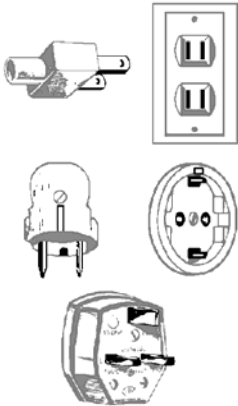

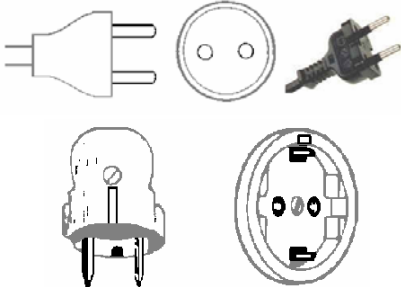



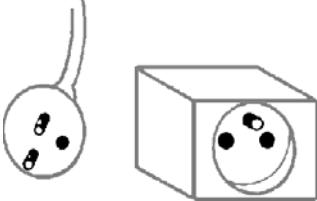


<p>Italy (意大利)</p>	<p>IMQ / UNI</p>			<p>230V / 50HZ Type C may also be found. Type L plugs/outlets may have different pin spacing. The smaller and closer pins are for a rated current of 10 A, the bigger and wider pins are for a rated current of 16 A. Both kinds are currently used and comply to the relevant Italian (CEI) regulations. Some outlets have overlapping holes to accept either older or newer types.</p>
<p>Japan (日本)</p>	<p>JIS / DENAN</p>			<p>100V / 50-60Hz Eastern Japan 50 Hz (Tokyo, Kawasaki, Sapporo, Yokohama, and Sendai); Western Japan 60 Hz (Osaka, Kyoto, Nagoya, Hiroshima)</p>
<p>Korea, S (南韓)</p>	<p>KTL</p>			<p>220V / 60Hz *Type F likely to be found in offices and hotels. 110V power with plugs A & B was previously used but is being phased out. Older buildings may still have this, and some hotels offer both 110V and 220V service.</p>
<p>Malaysia (马来西亚)</p>	<p>DSM</p>			<p>240V / 50Hz</p>
<p>Mexico (墨西哥)</p>	<p>NOM</p>			<p>127V / 60Hz</p>

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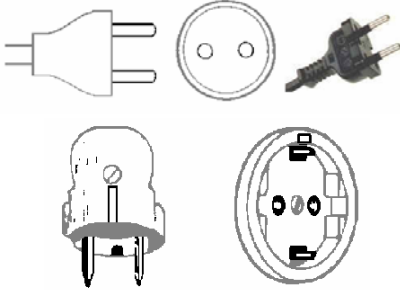

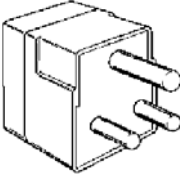

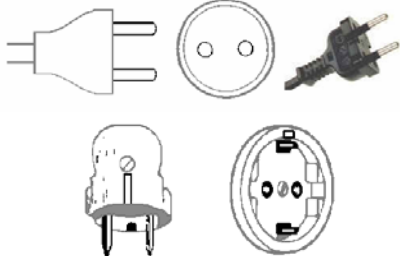

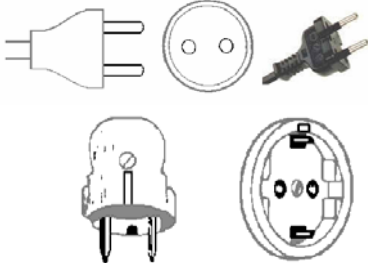
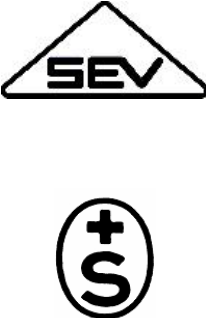
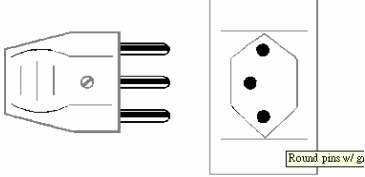


<p>Netherland (荷兰)</p>	<p>KEMA</p>			<p>230V / 50Hz</p>
<p>New Zealand (纽西兰)</p>	<p>NZSS / SNZ</p>			<p>230V / 50Hz</p>
<p>Norway (挪威)</p>	<p>NEMKO</p>			<p>220V / 50Hz</p>
<p>Poland (波兰)</p>	<p>PCBC</p>			<p>220V / 50Hz</p>
<p>Portugal (葡萄牙)</p>	<p>CERTIF</p>			<p>220V / 50Hz</p>

<p>Russia (俄罗斯)</p>	<p>GOST_R</p>			<p>220V / 50Hz</p> <p>A correspondent notes: "Plug type E can also be used (because the mains outlets do not have the protruding pin). Plug type F can sometimes be used but with reservation because in many places the mains outlet will not allow to connect such plug as the outlets have smaller hole diameters than F-plug pins."</p>
<p>Saudi Arabia (沙特阿拉伯)</p>	<p>SASO</p>			<p>127V / 220V 60Hz</p>
<p>Serbia and Montenegro (前南斯拉夫)</p>	<p>SZS</p>			<p>220V / 50Hz</p>
<p>Singapore (新加坡)</p>	<p>PSB</p>			<p>230V / 50Hz</p> <p>Type A adaptors are widely available from shops as an extension set of 2 to 5 sets of sockets; most commonly used for audio and video equipment.</p>
<p>Slovakia (斯洛伐克)</p>	<p>EVPU</p>			<p>230V / 50Hz</p>




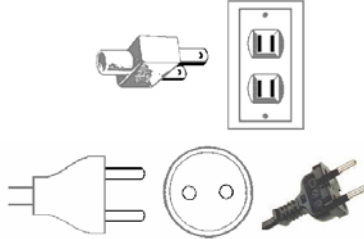

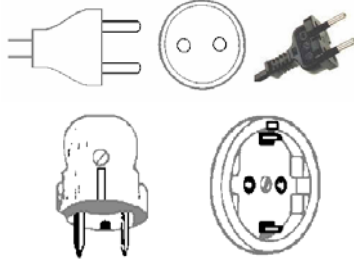

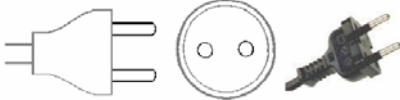

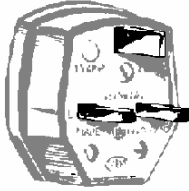

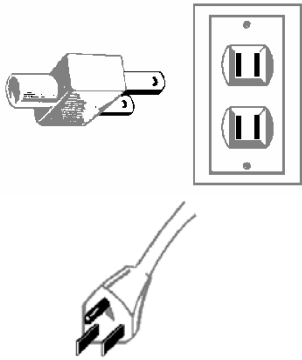
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<p>Slovenia (斯洛文尼亞)</p>	<p>SIQ</p>			<p>220V / 50Hz</p>
<p>South Africa (南非)</p>	<p>SABS</p>			<p>220V /230V 50Hz</p> <p>*Grahamstad & Port Elizabeth 250V; also found in King Williams</p>
<p>Spain (西班牙)</p>	<p>UNE AENOR</p>			<p>230V 50Hz</p>
<p>Sweden (瑞典)</p>	<p>SEMKO</p>			<p>220V / 50Hz</p>
<p>Switzerland (瑞士)</p>	<p>SEV / S+</p>			<p>230V / 50HZ</p> <p>Type C plugs are common on appliances, and will fit the Type J outlet.</p> <p>低電壓產品必須符合低電壓電子產品(NEV)的法令。在低電壓電子產品銷售到瑞士市場上之前廠商可先申請 S+ 安全標誌。</p>

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<p>Taiwan (台湾)</p>	<p>MOEA</p>	 12345678		<p>110V / 60Hz</p>
<p>Thailand (泰国)</p>	<p>TISI</p>			<p>220V / 50Hz</p> <p>*Some outlets are a combination of type A and C and can accept either type plug.</p>
<p>Turkey (土耳其)</p>	<p>TSE</p>			<p>230V / 50Hz</p>
<p>Ukraine (乌克兰)</p>	<p>UKRSEPRO</p>			<p>220V / 50Hz</p>
<p>United Kingdom (英国)</p>	<p>BSI / BEAB / ASTA</p>			<p>230V / 50Hz</p> <p>*Outlets typically controlled by adjacent switch. Though <i>nominal</i> voltage has been officially changed to 230V, 240V is within tolerances and commonly found</p>
<p>U.S.A. (美国)</p>	<p>UL</p>			<p>120V / 60Hz</p>

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Belarus (白俄羅斯)	STB			
Global	CB scheme			

Europe (欧洲)

	CE mark: Product comply with relevant EC-directives such as Low Voltage directive EMC directive and Machinery directive etc.
	Keymark : A European certification mark which indicated a product complies with European harmonised safety standard.
◁ HAR ▷	HAR mark: Low voltage cables that conform to the harmonized European standards which under HAR agreement.
	CECC mark: Product conforms to the European CECC specification.

Remark:

This document is for internal use and reference only. Any forms of release which outside the group is strictly prohibited. Effort had been made to ensure the content's integrity and accuracy at the time of this document preparation. It should be emphasized that the power data for those developing countries may be varying as time changes. This document would be periodically updated and will be kept and maintained by the department. It also located in the departmental public folder for easy access.

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Information sources:

Pattern image: Panel Components Corporation.

Others: TUV Rheinland / ISO / World Standard Service Network.


Prepared by Kay & Eric.

Last updated on 25 May 2000.

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TYPE A

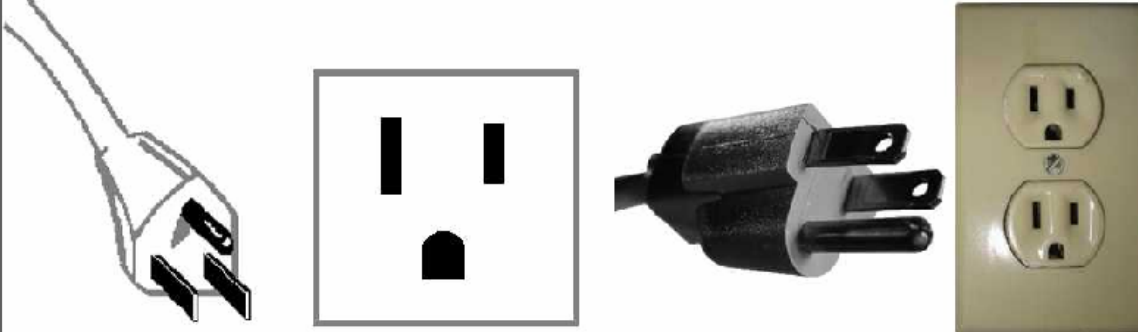
used in, among others, North and Central America and Japan)



This block illustrates the Type A electrical plug and outlet. It includes a technical drawing of a two-pronged plug, a technical drawing of a two-slot outlet, a photograph of a two-pronged plug, and a photograph of a two-slot outlet. The outlet is shown in a white faceplate on a brown wall.

TYPE B

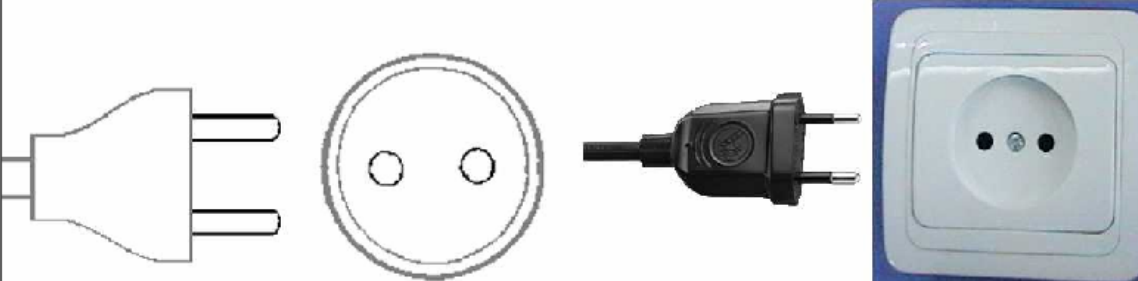
used in, among others, North and Central America and Japan)



This block illustrates the Type B electrical plug and outlet. It includes a technical drawing of a three-pronged plug, a technical drawing of a three-slot outlet, a photograph of a three-pronged plug, and a photograph of a three-slot outlet. The outlet is shown in a white faceplate on a light-colored wall.

TYPE C

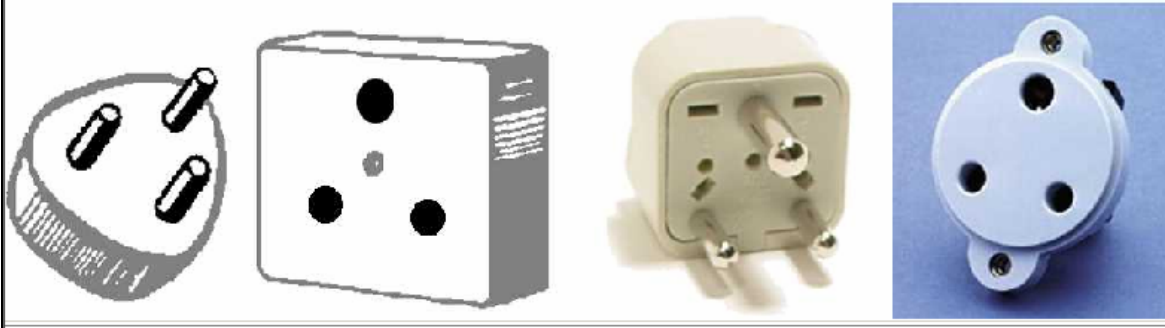
used in all countries of Europe except the United Kingdom, Ireland, Cyprus and Malta)



This block illustrates the Type C electrical plug and outlet. It includes a technical drawing of a two-pronged plug, a technical drawing of a two-hole outlet, a photograph of a two-pronged plug, and a photograph of a two-hole outlet. The outlet is shown in a white faceplate on a light-colored wall.

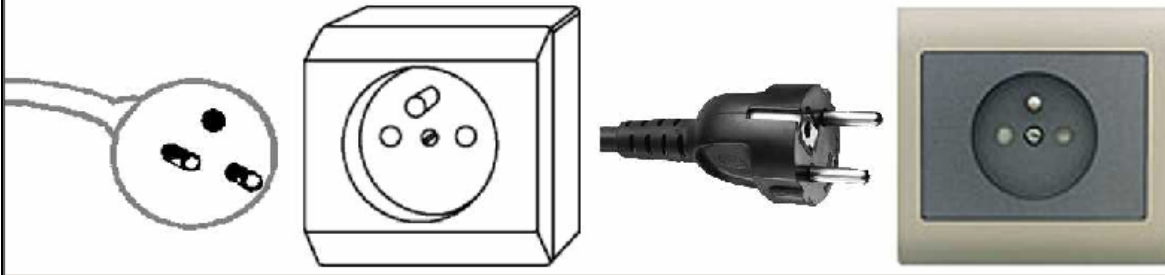
TYPE D

used almost exclusively in India, Sri Lanka, Nepal and Namibia)



TYPE E

primarily used in France, Belgium, Poland, Slovakia, the Czech Republic, Tunisia and Morocco)



TYPE F

used in, among others, Germany, Austria, the Netherlands, Sweden, Norway, Finland, Portugal, Spain and Eastern Europe)



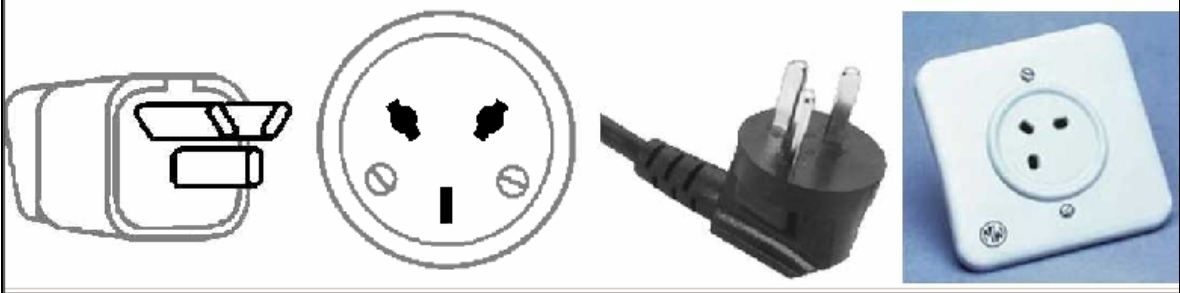
TYPE G

mainly used in the United Kingdom, Ireland, Cyprus, Malta, Malaysia and Singapore)



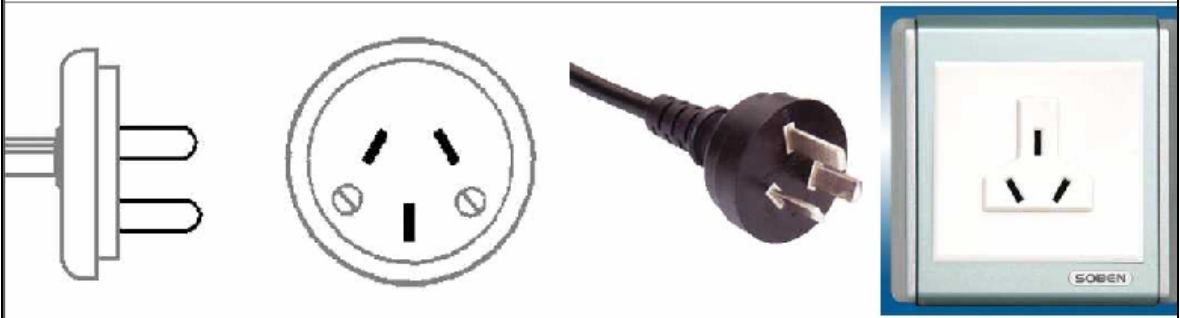
TYPE H

used exclusively in Israel)



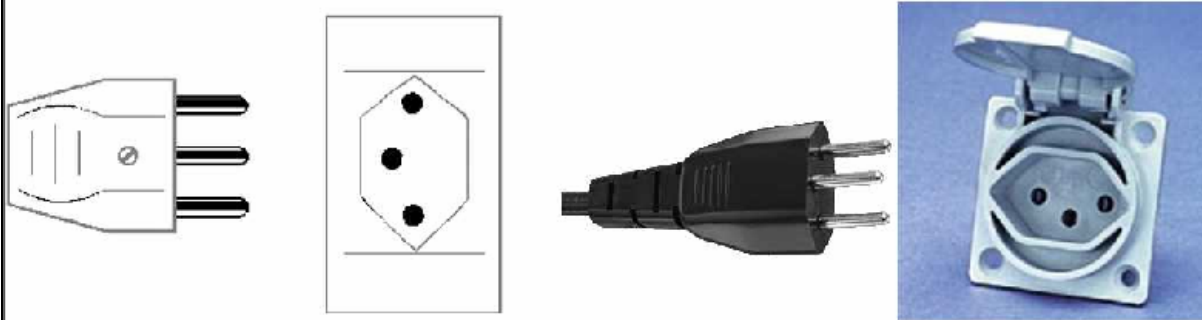
TYPE I

mainly used in Australia, New Zealand and Papua New Guinea)



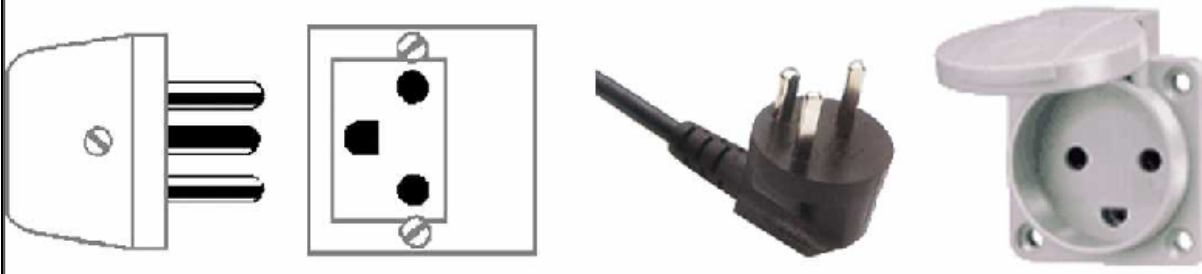
TYPE J

used almost exclusively in Switzerland and Liechtenstein)



TYPE K

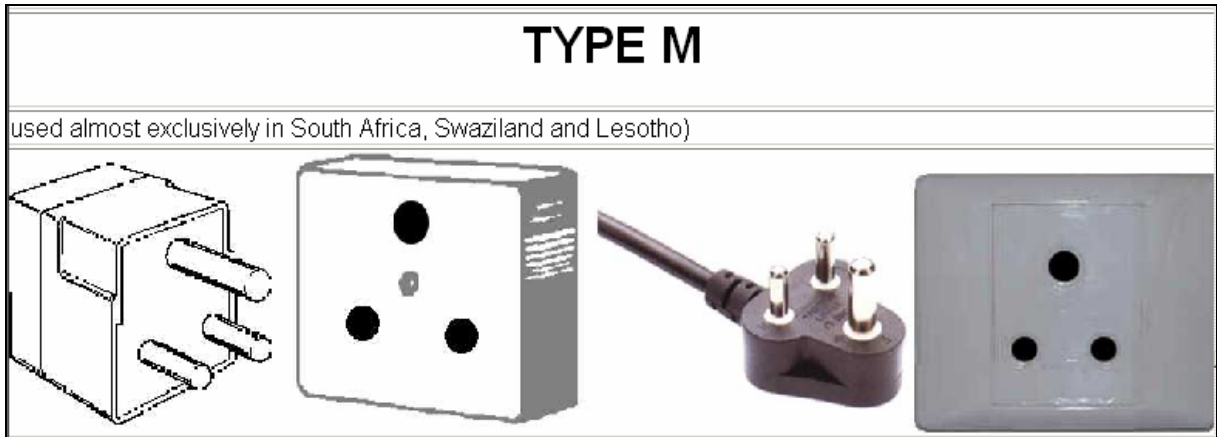
used almost exclusively in Denmark and Greenland)



TYPE L

used almost exclusively in Italy and randomly found throughout North Africa)





- 歐盟成員國有 **25** 個，以上用紅字標注。

法国、联邦德国、意大利、荷兰、比利时、卢森堡、英国、丹麦、爱尔兰、希腊、西班牙、葡萄牙、奥地利、瑞典、芬兰、塞浦路斯、匈牙利、捷克、爱沙尼亚、拉脱维亚、立陶宛、马耳他、波兰、斯洛伐克、斯洛文尼亚

- CB 成員國 **43** 個，以上用藍字標注。

阿根廷，澳大利亞，奧地利，白俄羅斯，比利時，巴西，加拿大，中國，捷克，丹麥，芬蘭，法國，德國，希臘，匈牙利，印度，愛爾蘭，意大利，日本，韓國，馬來西亞，墨西哥，荷蘭，新西蘭，挪威，波蘭，葡萄牙，羅馬尼亞，俄羅斯，塞爾維亞，新加坡，斯洛伐克，斯洛文尼亞，南非，西班牙，瑞典，瑞士，泰國，土耳其，烏克蘭，英國，美國。

- 如果同屬歐盟和 CB 成員國，以上用**紫色**標識注。