

INTERNATIONAL



INTERNATIONAL ADAPTERS AND TRANSFORMERS




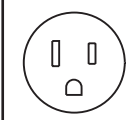
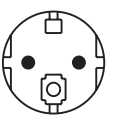

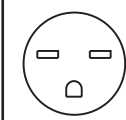
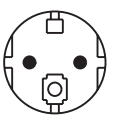

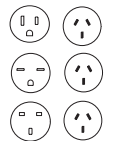

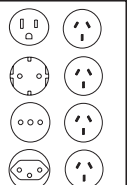

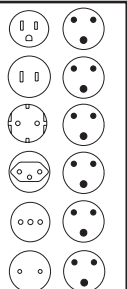

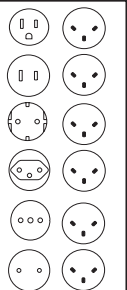

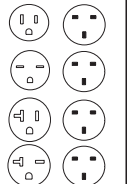
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INTERNATIONAL ADAPTERS

2 Pole 3 Wire Grounding

American to European

| | Receptacle End | Plug End | Cat. No. | Description |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  NEMA 5-15R |  EU1-16P | 30110 | Allows NEMA 5-15P and NEMA 1-15P (15 ampere 125 volt) plugs to interface with European "SCHUKO" CEE-7 EU1-16R and French/Belgian FR1-16R receptacles. Rated 16 ampere 250 volt. |
|  |  NEMA 6-15R |  EU1-16P | 30100 | Allows NEMA 6-15P (15 ampere 250 volt) plugs to interface with European "SCHUKO" CEE-7 EU1-16R and French/Belgian FR1-16R receptacles. Rated 16 ampere 250 volt. |
|  | NEMA 5-15R NEMA 6-15R UK1-13R |  | 30200 | Allows NEMA 5-15P and NEMA 1-15P (15 ampere 125 volt), NEMA 6-15P (15 ampere 250 volt), United Kingdom BS 1363A (13 ampere 250 volt) plugs to interface with Australian receptacles AU1-10R (10 ampere 250 volt) and AU2-15R (15 ampere 250 volt). Also mates with Chinese CH1-10R (10 ampere 250 volt) receptacle. Note: Mates with Argentine AR1-10R (10 ampere 250 volt) receptacles except reverse polarity possible. |
|  | NEMA 5-15R EU1-16R IT1-10R SW1-10R |  | 30220 | Allows NEMA 5-15P (molded on plugs), European "SCHUKO" CEE-7 and CEE 7-7, Italian IT1-10P and Swiss SW1-10P plugs to interface with Australian receptacles AU1-10R (10 ampere 250 volt) and AU2-15R (15 ampere 250 volt). Also mates with Chinese CH1-10R (10 ampere 250) volt receptacle. Note: Mates with Argentine AR1-10R (10 ampere 250 volt) receptacles except reverse polarity possible. |
|  | NEMA 5-15P NEMA 1-15P EU1-16P SW1-10P IT1-10P EUROPLUG |  | 30195 | Allows NEMA 1-15P, NEMA 5-15P (molded on plugs), EU1-16P "SCHUKO", Swiss SW1-10P, Italian IT1-10P and Europlug plugs to interface with United Kingdom, Indian and South African UK2-15R (15 ampere 250 volt) outlets. |
|  | NEMA 5-15P NEMA 1-15P EU1-16P SW1-10P IT1-10P EUROPLUG |  | 30295 | Allows NEMA 1-15P, NEMA 5-15P (molded on plugs), EU1-16P "SCHUKO", Swiss SW1-10P, Italian IT1-10P and Europlug plugs to interface with Israeli IS1-16R (16 ampere 250) volt outlets. |
|  | NEMA 5-15R NEMA 6-15R NEMA 5-20R NEMA 6-20R |  | 30260 | Allows NEMA 1-15P, NEMA 5-15P, NEMA 6-15P, NEMA 5-20P and NEMA 6-20P plugs to interface with United Kingdom UK1-13R outlets. |

NOTE:


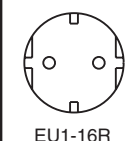


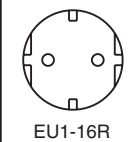


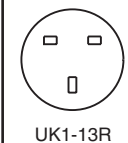





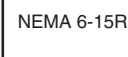
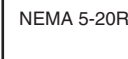
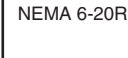
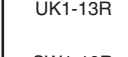
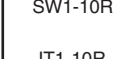
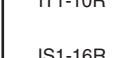
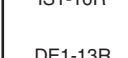
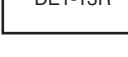








1. Catalog Nos. 30110 and 30100 can be interfaced with adapter Nos. 30140, 30150, 30160 and 30170 for use with U.K., Italian and Swiss receptacles.
2. Use only on equipment designed for operation at 250 volts.
3. See pages 218-220 for dimensional data drawings.



INTERNATIONAL ADAPTERS

2 Pole 3 Wire Grounding

European to American

| | Receptacle End | Plug End | Cat. No. | Description |
|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>30130</p> |  <p>EU1-16R</p> |  <p>NEMA 5-15P</p> | 30130 | Allows European "SCHUKO" CEE-7 and CEE 7-7 EU1-16P (16 ampere 250 volt) plugs to interface with NEMA 5-15R receptacles rated 15 ampere 125 volt. |
|  <p>30120</p> |  <p>EU1-16R</p> |  <p>NEMA 6-15P</p> | 30120 | Allows European "SCHUKO" CEE-7 and CEE 7-7 EU1-16P (16 ampere 250 volt) plugs to interface with NEMA 6-15R receptacles rated 15 ampere 250 volt. |
|  <p>30180</p> |  <p>UK1-13R</p> |  <p>NEMA 5-15P</p> | 30180 | Allows United Kingdom BS1363A UK1-13P (13 ampere 250 volt) plugs to interface with NEMA 5-15R receptacles rated 15 ampere 125 volt. |
|  <p>30210</p> |  <p>AU1-10R</p> |  <p>NEMA 5-15P</p> | 30210 | Allows Australian AU1-10P, Argentine AR1-10P and Chinese CH1-10P (10 ampere 250 volt) plugs to interface with NEMA 5-15R receptacles rated 15 ampere 125 volt. |
|  <p>30250</p> | <p>NEMA 6-15R</p>  <p>NEMA 5-20R</p>  <p>NEMA 6-20R</p>  <p>UK1-13R</p>  <p>SW1-10R</p>  <p>IT1-10R</p>  <p>IS1-16R</p>  <p>DE1-13R</p>  |         | 30250 | Allows NEMA 6-15P, 5-20P, 6-20P, UK1-13P, UK3-5P, SW1-10P, IT1-10P, IS1-16P and DE1-13P plugs to interface with NEMA 5-15R receptacles. |

NOTES:


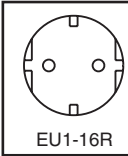
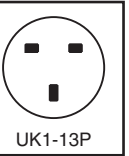

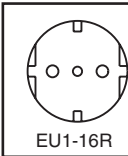
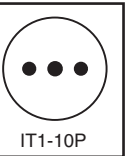

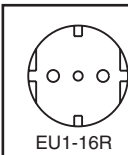
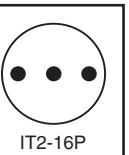




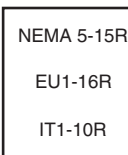
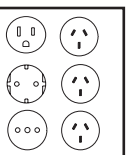

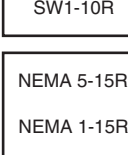
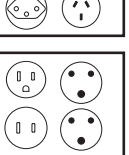

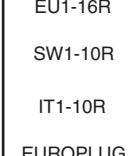
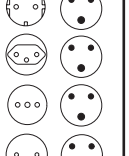
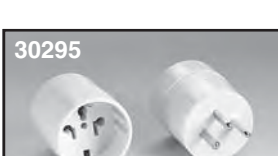
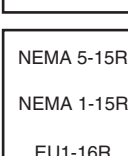
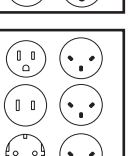
1. Adapters Nos. 30130, 30180, 30210 and 30250 are recommended for use only on equipment designed for operation at 125 volts.
2. Adapters often have a different rating on the blade (plug) end and the receptacle end. Caution should be exercised in their use.
3. The over current protection is determined by the plug end.
4. The use of the adapter should be limited to the rating of the adapter.
5. See pages 218-220 for dimensional data drawings.



INTERNATIONAL ADAPTERS

2 Pole 3 Wire Grounding

European "SCHUKO" to European

| | Receptacle End | Plug End | Cat. No. | Description |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  EU1-16R |  UK1-13P | 30140 | Allows European "SCHUKO" CEE-7 and CEE 7-7 EU1-16P (16 ampere 250 volt) plugs to interface with United Kingdom BS1363 UK1-13R receptacles rated 13 ampere 250 volt. Adapter has replaceable fuse. |
|  |  EU1-16R |  IT1-10P | 30150 | Allows European "SCHUKO" CEE-7 and CEE 7-7 EU1-16P (16 ampere 250 volt) plugs to interface with Italian IT1-10R receptacles rated 10 ampere 250 volt. NOTE: 10 ampere 250 volt receptacles are predominant in Italy. |
|  |  EU1-16R |  IT2-16P | 30160 | Allows European "SCHUKO" CEE-7 and CEE 7-7 EU1-16P (16 ampere 250 volt) or Italian IT1-10P (10 ampere 250 volt) plugs to interface with Italian IT2-16R receptacles rated 16 ampere 250 volt. |
|  |  EU1-16R |  SW1-10P | 30170 | Allows European "SCHUKO" CEE-7 and CEE 7-7 EU1-16P (16 ampere 250 volt) plugs to interface with Swiss SW1-10R receptacles rated 10 ampere 250 volt and SW2-16R receptacles rated 16 ampere 250 volts. |
|  |  EU1-16R |  SW1-10P | 30220 | Allows NEMA 5-15P (molded on plugs), European "SCHUKO" CEE-7 and CEE 7-7, Italian IT1-10P and Swiss SW1-10P plugs to interface with Australian AU1-10R receptacles rated 10 ampere 250 volt and AU2-15R receptacles rated 15 ampere 250 volt. Also mates with Chinese CH1-10R 10 ampere 250 volt receptacle. NOTE: Mates with Argentine AR1-10R 10 ampere 250 volt receptacles. Reverse polarity may exist. |
|  |  EU1-16R |  SW1-10P | 30195 | Allows NEMA 1-15P, NEMA 5-15P (molded on plugs), EU1-16P "SCHUKO", Swiss SW1-10P, Italian IT1-10P and Europlug plugs to interface with United Kingdom, Indian and South African UK2-15R 15 ampere 250 volt outlets. |
|  |  EU1-16R |  SW1-10P | 30295 | Allows NEMA 1-15P, NEMA 5-15P (molded on plugs), EU1-16P "SCHUKO", Swiss SW1-10P, Italian IT1-10P and Europlug plugs to interface with Israeli IS1-16R 16 ampere 250 volt outlets. |
|  |  EU1-16R |  SW1-10P | 30295 | Allows NEMA 1-15P, NEMA 5-15P (molded on plugs), EU1-16P "SCHUKO", Swiss SW1-10P, Italian IT1-10P and Europlug plugs to interface with Israeli IS1-16R 16 ampere 250 volt outlets. |

NOTES:


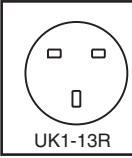


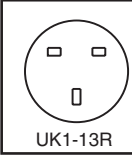


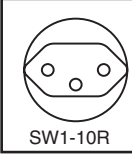
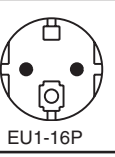


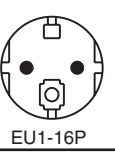

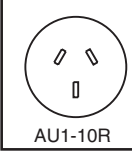
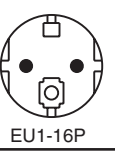

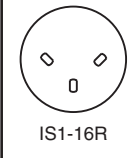
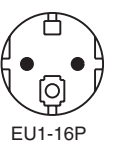
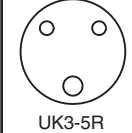
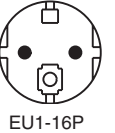
1. Adapters often have a different rating on the blade (plug) end and the receptacle end. Caution should be exercised in their use.
2. The over current protection is determined by the plug end.
3. The use of the adapter should be limited to the rating of the adapter.
4. See pages 218-220 for dimensional data drawings.



INTERNATIONAL ADAPTERS

2 Pole 3 Wire Grounding

European to European "SCHUKO"

| | Receptacle End | Plug End | Cat. No. | Description |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>30181</p> |  <p>UK1-13R</p> |  <p>EU1-16P</p> | 30181 | Allows United Kingdom BS1363A UK1-13P (13 ampere 250 volt) plugs to interface with European "SCHUKO" CEE-7 EU1-16R and French FR1-16R receptacles rated 16 ampere 250 volt. Pin diameter is 4.8 mm. |
|  <p>30182</p> |  <p>UK1-13R</p> |  <p>EU1-16P</p> | 30182 | Allows United Kingdom BS1363A UK1-13P(13 ampere 250 volt) plug to interface with European "SCHUKO" CEE-7 EU1-16R and French FR1-16R receptacles rated 16 ampere 250 volt. Pin diameter is 4.0 mm. |
|  <p>30190</p> |  <p>SW1-10R</p> |  <p>EU1-16P</p> | 30190 | Allows Swiss SW1-10P (10 ampere 250 volt) plugs to interface with European "SCHUKO" CEE-7 EU1-16R and French FR1-16R receptacles rated 16 ampere 250 volt. Pin diameter is 4.8 mm. |
|  <p>30230</p> |  <p>IT1-10R/IT2-16R</p> |  <p>EU1-16P</p> | 30230 | Allows Italian IT1-10P (10 ampere 250 volt) and IT2-16P (16 ampere 250 volt) plugs to interface with European "SCHUKO" CEE-7 EU1-16R and French FR1-16R receptacles rated 16 ampere 250 volt. Pin diameter is 4.8 mm. |
|  <p>30240</p> |  <p>AU1-10R</p> |  <p>EU1-16P</p> | 30240 | Allows Australian AU1-10P (10 ampere 250 volt), Chinese CH1-10P (10 ampere 250 volt) and Argentine AR1-10P (10 ampere 250 volt) plugs to interface with European "SCHUKO" CEE-7 EU1-16R and French FR1-16R receptacles rated 16 ampere 250 volt. Pin diameter is 4.0 mm. |
|  <p>30225</p> |  <p>IS1-16R</p> |  <p>EU1-16P</p> | 30225 | Allows Israeli IS1-16P (16 ampere 250 volt) and United Kingdom UK3-5P (5 ampere 250 volt) plugs to interface with European "SCHUKO" CEE-7 EU1-16R and French FR1-16R receptacles rated 16 ampere 250 volt. Pin diameter is 4.8 mm. |
| |  <p>UK3-5R</p> |  <p>EU1-16P</p> | | |

NOTES:


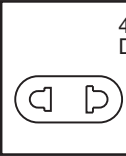
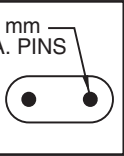

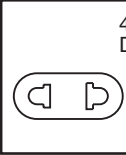
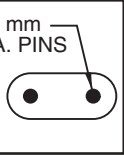

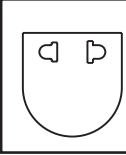


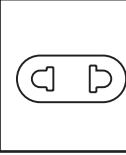
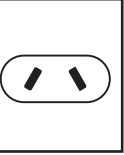

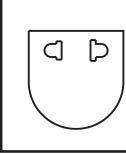



1. Adapters often have a different rating on the blade (plug) end and the receptacle end. Caution should be exercised in their use.
2. The over current protection is determined by the plug end.
3. The use of the adapter should be limited to the rating of the adapter.
4. See pages 219 and 220 for dimensional data drawings.



INTERNATIONAL ADAPTERS

2 Pole 2 Wire

American to European

| | Receptacle End | Plug End | Cat. No. | Description |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |  | 30300 | Allows NEMA 5-15P and NEMA 1-15P (15 amp 125 volt) plugs and European plugs with 4.8 mm diameter pins to interface with almost all European 250 volt 4.0 mm and 4.8 mm round pin receptacles. Also mates with Israeli receptacles. White. |
|  |  |  | 30301 | Allows NEMA 5-15P and NEMA 1-15P (15 amp 125 volt) plugs and European plugs with 4.8 mm diameter pins to interface with only European 250 volt 4.8 mm diameter round pin receptacles. White. |
|  |  |  | 30320 | Allows NEMA 5-15P, NEMA 1-15P (15 amp 125 volt) and European 4.0 mm/4.8 mm round pin plugs to interface with United Kingdom 250 volt BS1363 receptacles. Black. |
|  |  |  | 30330 | Allows NEMA 5-15P, NEMA 1-15P (15 amp 125 volt) and European 4.0 mm/4.8 mm round pin plugs to interface with Australian 250 volt receptacles. Also mates with Chinese and Argentine receptacles. White. |
|  |  |  | 30360 | Allows NEMA 5-15P, NEMA 1-15P (15 amp 125 volt) and European 4.0 mm/4.8 mm round pin plugs to interface with UK2-15R South African and Indian 15 amp/16 amp 250 volt receptacles. Black. |
|  | | | 30375 | Six adapter kit with travel pouch. Kit includes Nos. 30300, 30320, 30330, 30340, 2-wire adapter for UK3-5R (old style United Kingdom 5 amp receptacles) and an adapter for "SCHUKO" type 4.8 mm round pin 2-wire outlets. Boxed for retail display. |
|  | | | 30375-G | Grounding adapter kit includes seven adapters. Kit includes Catalog Nos. 30110, 30140, 30150, 30170, 30220, 30195 and 30295. Allows NEMA 5-15P and NEMA 1-15P plugs to mate with European "SCHUKO" CEE-7, United Kingdom, Italian, Swiss, Australian, Chinese, South African, Indian, Argentine and Israeli receptacles. |

NOTE:


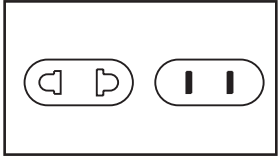


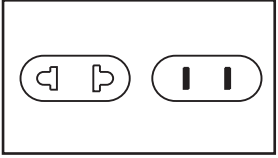


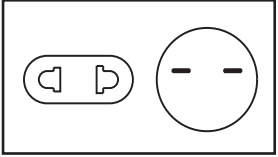


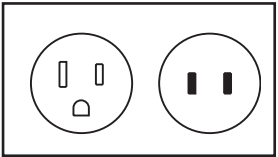


1. Designed for appliances that do not require grounding.
2. Use only on equipment designed for operation at 250 volts.
3. Adapters often have a different rating on the blade (plug) end and the receptacle end. Caution should be exercised in their use.
4. The over current protection is determined by the plug end.
5. The use of the adapter should be limited to the rating of the adapter.
6. See pages 220 and 221 for dimensional data drawings.



INTERNATIONAL ADAPTERS

2 Pole 2 Wire

European to American

| | Receptacle End | Plug End | Cat. No. | Description |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>30340</p> |  |  | 30340 | Allows European 250 volt 2 wire plugs with 4.8 mm pins and some 3 wire round pin plugs to interface with NEMA 5-15R, 1-15R (15 amp 125 volt), 5-20R (20 amp 125 volt) receptacles. Also allows polarized (wide blade American) plugs to interface with non-polarized receptacles. Designed for appliances that do not require grounding. |
|  <p>30340-A</p> |  |  | 30340-A | Allows European 250 volt 2 wire plugs with 4.0 mm pins and some 3 wire round pin plugs to interface with NEMA 5-15R, 1-15R (15 amp 125 volt), 5-20R (20 amp 125 volt) receptacles. Also allows polarized (wide blade American) plugs to interface with non-polarized receptacles. Designed for appliances that do not require grounding. |
|  <p>30350</p> |  |  | 30350 | Allows European 250 volt 2 wire plugs with 4.0 mm / 4.8 mm pins and some 3 wire round pin plugs to interface with NEMA 6-15R (15 ampere 250 volt) and 6-20R (20 ampere 250 volt) receptacles. Designed for appliances that do not require grounding. |
|  <p>30500</p> |  |  | 30500 | Allows NEMA 5-15P and NEMA 1-15P (15 ampere 125 volt) polarized plugs to interface with American or Japanese 2 wire non-polarized receptacles. 6" grounding lead wire with spade terminal provided.  mark approval. NOTE: See page 221 for dimensional data drawings. |

NOTE: Adapters often have a different rating on the blade (plug) end and the receptacle end. Caution should be exercised in their use.

1. The over current protection is determined by the plug end.
2. The use of the adapter should be limited to the rating of the adapter.

Step-Down Auto Transformers. See Page 124

Designer Line Auto Transformers. See Page 125

Small Appliance Step-Down Auto Transformers. See Page 125



INTERNATIONAL IEC 60320 C-13 ADAPTERS

2 Pole 3 Wire Grounding

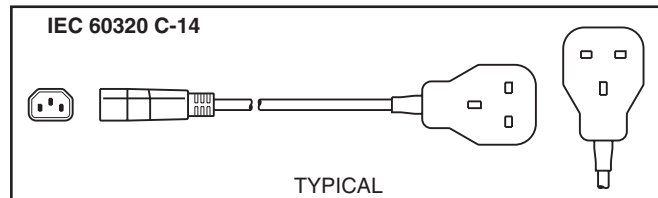
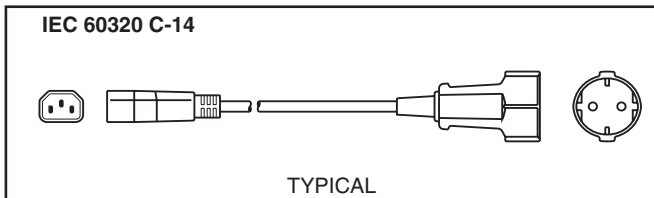


IEC 60320 C-14

For Computers and Electronic Equipment - Converts European Plugs,
NEMA Plugs, IEC 60320 C-5 and C-7 Plugs to IEC 60320 C-13 Outlets

Connector Style "A" (Straight)

Connector Style "B" (Angled)



General Specification Data (Int'l.)

Rating: 10 Ampere 250 Volt
International Cord Spec.: H05VV-F3G 1.0mm²
Cord Set Length: 12"

Material: PVC, Jacket Color Black
Conductor Color Code: Brown, Blue, Green/Yellow

| PLUG CONFIG. | PLUG ID. | PLUG STANDARD | CONNECTOR CONFIG. | CONN. ID. | CONNECTOR STANDARD | CONN. STYLE | CATALOG NUMBER |
|--------------|----------|---------------|-------------------|-------------|--------------------|-------------|-------------------------|
| | C-14 | IEC 60320 | | EU1-16R | CEE 7 | "A" | 30600 ⁽¹⁾ |
| | C-14 | IEC 60320 | | FR1-16R | CEE 7 Variation | "A" | 30605 |
| | C-14 | IEC 60320 | | UK1-13R | BS 1363A | "B" | 30610 |
| | C-14 | IEC 60320 | | UK2-15R | BS 546A | "B" | 30620 |
| | C-14 | IEC 60320 | | AU2-15R | AS / NZS 3112 | "A" | 30630 |
| | C-14 | IEC 60320 | | SW1-10R | SEV 1011 | "A" | 30640 |
| | C-14 | IEC 60320 | | IT2-16R | CEI 23-16 | "A" | 30650 ⁽¹⁾ |
| | C-14 | IEC 60320 | | DE1-10R | AST 107 | "A" | 30660 |
| | C-14 | IEC 60320 | | IS1-16R | SI 32 | "B" | 30670 |
| | C-14 | IEC 60320 | | AR1-10R | AS/NZS 3112 | "A" | 30635 ⁽²⁾ |
| | C-14 | IEC 60320 | | CH1-10R | AS/NZS 3112 | "A" | 30630 |
| | C-14 | IEC 60320 | | IEC 60320 | C-5 | "A" | 90040 |
| | C-18 | IEC 60320 | | IEC 60320 | C-7 | "A" | 90060 ⁽³⁾ |
| | C-14 | IEC 60320 | | NEMA 5-15R | UL 498 | "A" | 30680 ⁽⁴⁾⁽⁵⁾ |
| | C-14 | IEC 60320 | | NEMA 6-15R | UL 498 | "A" | 30690 ⁽⁵⁾ |
| | C-14 | IEC 60320 | | NEMA L5-15R | UL 498 | "A" | 30685 ⁽⁴⁾⁽⁶⁾ |
| | C-14 | IEC 60320 | | NEMA L6-15R | UL 498 | "A" | 30695 ⁽⁶⁾ |

- (1) Non-polarized configuration
- (2) Argentine connector has the same configuration as the Australian/Chinese type of socket, except the line and neutral conductors are reversed.
- (3) Non-grounding 2 pole 2 wire
- (4) Use **only** with equipment designed for switching from 250 volts to 125 volts
- (5) 3 x 16 AWG conductors, SJT, 13 Ampere
- (6) 3 x 14 AWG conductors, SJT, 15 Ampere



INTERNATIONAL IEC 60320 C-19 ADAPTERS

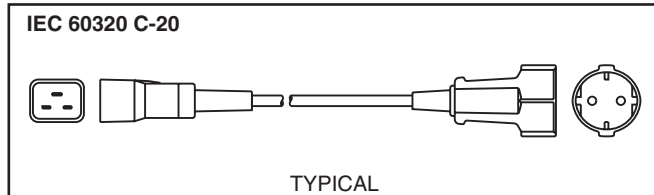
2 Pole 3 Wire Grounding



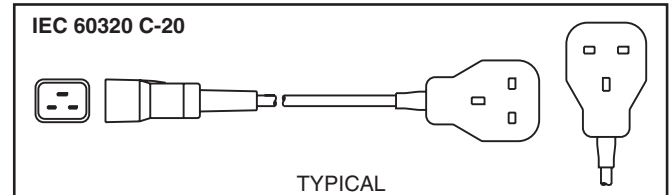
IEC 60320 C-20

For Computers and Electronic Equipment - Converts European and
NEMA Plugs to IEC 60320 C-19 Outlets

Connector Style "A" (Straight)



Connector Style "B" (Angled)



General Specification Data

Rating: 15 Ampere 125 Volt, 15 Ampere 250 Volt, 10 Ampere 250 Volt, 20 Ampere 125 Volt, 20 Ampere 250 Volt
Cord Specifications: SJT, 14/3 AWG, 12/3 AWG
Cord Set Length: 12"
Material: PVC, Jacket Color Black
Conductor Color Code: Black, White, Green

| PLUG CONFIG. | PLUG ID. | PLUG STANDARD | CONNECTOR CONFIG. | CONN. ID. | CONNECTOR STANDARD | CONN. STYLE | CATALOG NUMBER |
|--------------|----------|---------------|-------------------|--------------------|--------------------|-------------|---------------------|
| | C-20 | IEC 60320 | | EU1-16R | CEE 7 | "A" | 31600 (1)(4) |
| | C-20 | IEC 60320 | | FR1-16R | CEE 7 Variation | "A" | 31605 (4) |
| | C-20 | IEC 60320 | | UK1-13R | BS 1363A | "B" | 31610 (4) |
| | C-20 | IEC 60320 | | UK2-15R | BS 546A | "B" | 31620 (4) |
| | C-20 | IEC 60320 | | AU2-15R | AS / NZS 3112 | "A" | 31630 (4) |
| | C-20 | IEC 60320 | | SW1-10R | SEV 1011 | "A" | 31640 (4) |
| | C-20 | IEC 60320 | | IT2-16R | CEI 23-16 | "A" | 31650 (1)(4) |
| | C-20 | IEC 60320 | | DE1-10R | AST 107 | "A" | 31660 (4) |
| | C-20 | IEC 60320 | | IS1-16R | SI 32 | "B" | 31670 (4) |
| | C-20 | IEC 60320 | | AR1-10R | AS/NZS 3112 | "A" | 31635 (2)(4) |
| | C-20 | IEC 60320 | | CH1-10R | AS/NZS 3112 | "A" | 31630 (4) |
| | C-20 | IEC 60320 | | NEMA 5-15R | UL 498 | "A" | 31680 (3)(4) |
| | C-20 | IEC 60320 | | NEMA 6-15R | UL 498 | "A" | 31690 (4) |
| | C-20 | IEC 60320 | | NEMA L5-15R | UL 498 | "A" | 31685 (3)(4) |
| | C-20 | IEC 60320 | | NEMA L6-15R | UL 498 | "A" | 31695 (4) |
| | C-20 | IEC 60320 | | NEMA 5-20R | UL 498 | "A" | 31700 (3)(5) |
| | C-20 | IEC 60320 | | NEMA 6-20R | UL 498 | "A" | 31705 (5) |
| | C-20 | IEC 60320 | | NEMA L5-20R | UL 498 | "A" | 31710 (3)(5) |
| | C-20 | IEC 60320 | | NEMA L6-20R | UL 498 | "A" | 31715 (5) |

- (1) Non-polarized configuration
- (2) Argentine connector has the same configuration as the Australian/Chinese type of socket, except the line and neutral conductors are reversed.
- (3) Use **only** with equipment designed for switching from 250 volts to 125 volts
- (4) 14/3 AWG SJT
- (5) 12/3 AWG SJT



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INTERNATIONAL STEP-DOWN AUTO TRANSFORMERS - CONTINUOUS DUTY

220/240 Volt Input - 110/120 Volt Output 50/60 Hertz

Convert American Appliances And Equipment For Use On Foreign Voltages

These step-down transformers are supplied with European "SCHUKO" CEE 7-7 plugs and NEMA 5-15R (15 ampere 125 volt) receptacles. Adapters can be used to convert the line cord plug to other foreign receptacles or the plug can be removed and replaced with the appropriate foreign plug. Auto transformers change voltage levels only and not frequency (Hertz).

SELECTING THE CORRECT SIZE AUTO TRANSFORMER

Determine equipment ampere usage then multiply amperes by the equipment's operational voltage which equals watts(VA).

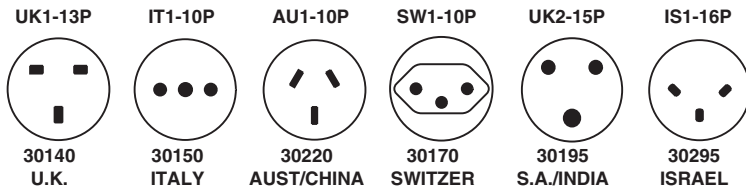
EXAMPLE 3.6 amperes x 120 volts = 432 watts

Select a 500 watt or larger transformer for this requirement.

Auto transformers change voltage levels and not frequency from 50 to 60 cycle (hertz) or vice versa. Appliances using synchronous motors should have the motor designed for the specific frequency if motor speed is critical for proper operation of the appliance or equipment. **NOT** recommended for use with refrigerators. Contact sales office for refrigerator type transformers.

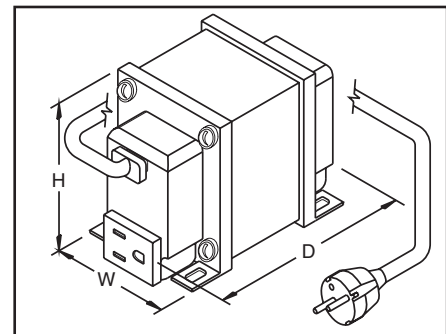
NOTE: When using a transformer with more than one appliance at a time, the total wattage of all appliances used together should not exceed the maximum rated watts of the transformer.

ADAPTER OPTIONS: Use these adapters to convert the "SCHUKO" CEE 7-7 power supply cord plug to a different plug configuration.



USE AMERICAN 120 VOLT APPLIANCES IN EUROPE

| CATALOG NUMBER | WATTS (VA) | WEIGHT LBS. | DIMENSIONS | | |
|----------------|------------|-------------|------------|--------|--------|
| | | | H | W | D |
| 32010-EU | 100 | 2.5 | 3 1/8" | 2 5/8" | 3 3/8" |
| 32015-EU | 150 | 3.3 | 3 1/8" | 2 5/8" | 3 3/4" |
| 32020-EU | 200 | 3.8 | 3 1/8" | 2 5/8" | 4 1/4" |
| 32025-EU | 250 | 4.5 | 3 1/8" | 2 5/8" | 4 5/8" |
| 32030-EU | 300 | 4.5 | 3 1/8" | 2 5/8" | 4 5/8" |
| 32035-EU | 350 | 6.7 | 4 5/8" | 3 7/8" | 4 1/8" |
| 32050-EU | 500 | 8.7 | 4 5/8" | 3 7/8" | 4 3/4" |
| 32075-EU | 750 | 12.4 | 4 5/8" | 3 7/8" | 5 5/8" |
| 32100-EU | 1000 | 13.7 | 4 5/8" | 3 7/8" | 6" |
| 32150-EU | 1500 | 18.2 | 4 5/8" | 3 7/8" | 7 1/8" |
| 32200-EU | 2000 | 24.2 | 6" | 4 3/8" | 6 1/2" |
| 32250-EU | 2500 | 36.0 | 6 3/8" | 5 3/8" | 7 5/8" |



Transformers equipped with 6 foot power cord and "SCHUKO" CEE 7-7 plug.

INTERNATIONAL STEP-UP AUTO TRANSFORMERS - CONTINUOUS DUTY

110/115 Volt Input - 220/240 Volt Output 50/60 Hertz

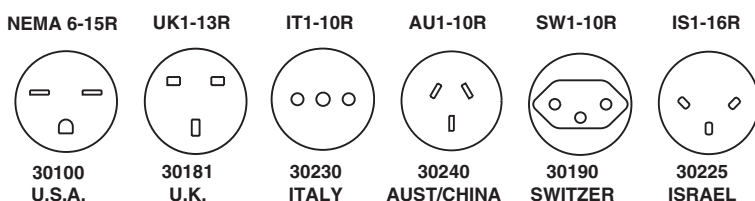
Convert European Appliances And Equipment For Use On American Voltages

These step-up transformers are supplied with European "SCHUKO" CEE 7 receptacles and NEMA 5-15P (15 ampere 125 volt) plugs. Adapters can be used to convert the "SCHUKO" receptacle to various foreign receptacle configurations. Auto transformers change voltage levels only and not frequency (Hertz). **NOT** recommended for use with refrigerators.

Transformers are equipped with 6 foot power cord and U.S.A. NEMA 5-15 plug.

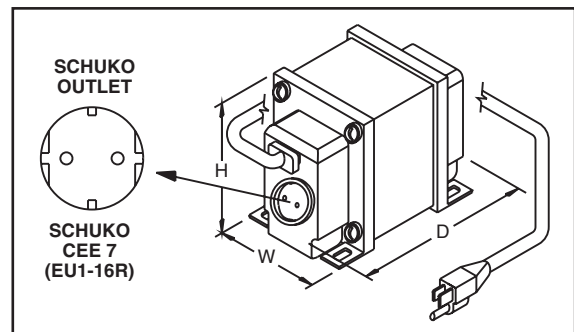
NOTE: When using a transformer with more than one appliance at a time, the total wattage of all appliances used together should not exceed the maximum rated watts of the transformer.

ADAPTER OPTIONS Use these adapters to convert the "SCHUKO" receptacle to a different receptacle configuration.



USE EUROPEAN 230 VOLT APPLIANCES IN U.S.A.

| CATALOG NUMBER | WATTS (VA) | NOMINAL AMPS | WEIGHT (LBS.) | DIMENSIONS | | |
|----------------|------------|--------------|---------------|------------|--------|--------|
| | | | | H | W | D |
| 32025-SUS | 250 | 1.1 | 6 | 4 1/2" | 3 3/4" | 4 3/8" |
| 32035-SUS | 350 | 1.5 | 7 | 4 1/2" | 3 3/4" | 4 5/8" |
| 32050-SUS | 500 | 2.1 | 8 | 4 1/2" | 3 3/4" | 4 7/8" |
| 32075-SUS | 750 | 3.2 | 12.5 | 4 1/2" | 3 3/4" | 5 3/4" |
| 32100-SUS | 1000 | 4.3 | 14.5 | 4 1/2" | 3 3/4" | 6 1/8" |
| 32150-SUS | 1500 | 6.5 | 19 | 4 1/2" | 3 3/4" | 7 1/4" |
| 32200-SUS | 2000 | 8.7 | 25 | 4 1/2" | 3 3/4" | 7 1/4" |



INTERNATIONAL "DUAL PURPOSE" STEP-DOWN OR STEP-UP AUTO TRANSFORMERS DESIGNER LINE - CONTINUOUS DUTY

Operate Appliances And Equipment On Foreign Or North American Voltages

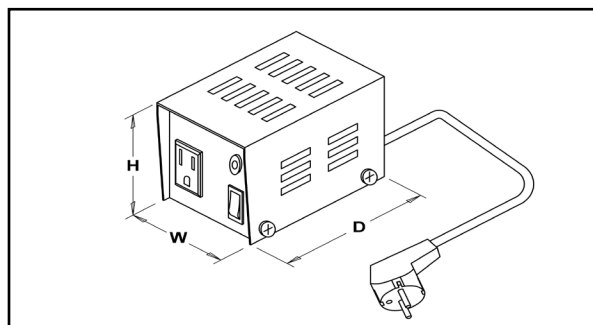
STEP-DOWN: USE AMERICAN APPLIANCES IN EUROPE, 220/240 Volt Input - 110/120 Volt Output 50/60 Hertz

STEP-UP: USE FOREIGN APPLIANCES IN NORTH AMERICA, 110/120 Volt Input - 220/240 Volt Output 50/60 Hertz

DESIGN FEATURES

1. Step-down output is a NEMA 5-15R (15 ampere 125 volt) grounded receptacle(s). * **Receptacle on these units are duplex type.**
 2. Step-up output is a combination European grounded and non-grounded outlet.
 3. European "SCHUKO" CEE 7-7 plug with five foot line cord.
**34300-EU with two foot line cord and "SCHUKO" CEE 7/7 plug.
 4. On / Off power switch.
 5. Power indicator light.
 6. Fused, replacement fuse on all units included.
 7. Durable carrying handle on 800, 1000, 1500, 2000 and 3000 watt models.
- Auto transformers change voltage levels and not frequency from 50 to 60 cycle (hertz) or vice versa. Appliances using synchronous motors should have the motor designed for the specific frequency if motor speed is critical for proper operation of the appliance or equipment.
- **NOT** recommended for use with refrigerators.

| CATALOG NUMBER | WATTS (VA) | WEIGHT LBS. | DIMENSIONS | | |
|----------------|------------|-------------|------------|--------|--------|
| | | | H | W | D |
| 34010-EU | 100 | 3 | 3" | 3" | 5" |
| 34020-EU | 200 | 5 | 3 1/4" | 3 1/2" | 5 3/4" |
| 34030-EU | 300 | 5 | 3 1/2" | 3 3/4" | 6" |
| 34050-EU | 500 | 6.5 | 3 1/2" | 4" | 6 1/2" |
| 34080-EU* | 800 | 14 | 4 1/2" | 5 1/4" | 7 1/2" |
| 34100-EU* | 1000 | 17 | 4 3/4" | 6 1/4" | 9" |
| 34150-EU* | 1500 | 23 | 5 3/4" | 6 3/4" | 9 3/4" |
| 34200-EU* | 2000 | 27 | 6" | 7 1/2" | 9 3/4" |
| 34300-EU**,** | 3000 | 29 | 5 3/4" | 7" | 9 3/4" |



NOTE: FOR STEP-DOWN APPLICATIONS

• Adapters Catalog Nos. 30220 (Australia/China), 30140 (U.K.), 30150 (Italy), 30160 (Italy), 30170 (Switzerland), 30195 (South Africa) and 30295 (Israel) can be used when mating the auto transformer line cord plug with receptacles used in those countries.

NOTE: FOR STEP-UP APPLICATIONS

• Adapter catalog Nos. 30130 can be used when mating the auto transformer line cord plug with North American NEMA 5-15R receptacles.

50 WATT STEP-DOWN AUTO TRANSFORMER

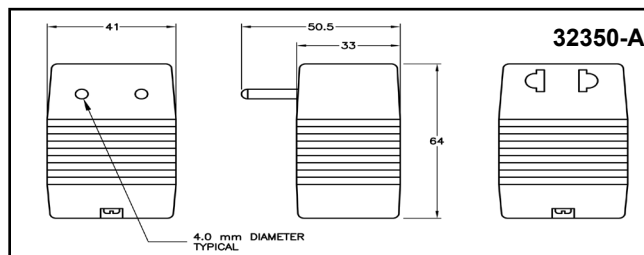
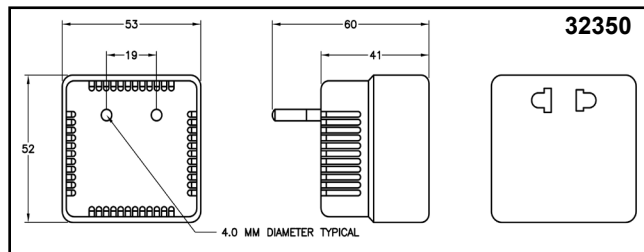
Catalog No. 32350

Catalog No. 32350-A

Allows NEMA 1-15P (2 pole 2 wire) polarized and non-polarized plugs, NEMA 5-15P (2 pole) plugs to mate with almost all European / International receptacles that accept 4.0 mm or 4.8 mm round pins. Designed for use with small electronic or motorized appliances rated 50 watts or less. Changes 220/240 input voltages to 110/120 output voltage. Will not convert frequency from 50 to 60 cycle (hertz) or vice versa.

- **NOT** for use with heating appliances. I.E., lamps, hair dryers, hot plates, irons, steamers and heating pads, etc.

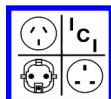
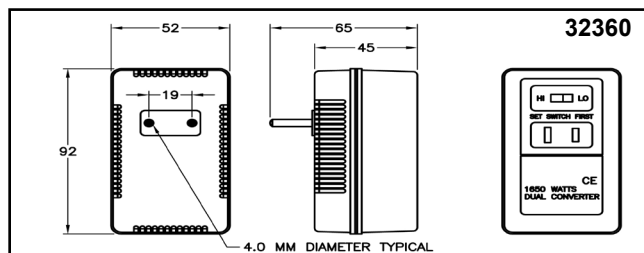
- Grounding continuity not provided when NEMA 5-15P plugs are used with Catalog No. 32350, 32350-A, 32360



1650 WATT STEP-DOWN VOLTAGE CONVERTER CONVERTS 220-240 VOLT FOREIGN ELECTRICITY TO 110-120 VOLT

Catalog No. 32360 - Dual Setting Converter

- "LO" setting: 0-50 watts. For appliances not exceeding 50 watts: calculators, rechargers, shavers, radios, electric toothbrushes.
- "HI" setting: 50-1650 watts. For "heating" appliances not exceeding 1650 watts: coffee makers, hair dryers, travel irons, stylers/curlers, clothes steamers.
- **NOT** for use with electronic or motorized appliances.



INTERNATIONAL TELEPHONE ADAPTERS

International Configurations, Inc. now offers a wide range of telephone adapters that allow standard American RJ11 telephone jacks to mate with European, United Kingdom and other international type telephone sockets. The items listed below are intended for use with standard telephone equipment, modems, etc. Catalog numbers with a “-D” suffix also provide a country specific telephone socket in addition to the RJ11 telephone jack.



Typical dual socket type
(RJ11 plus telephone socket)



Typical single RJ11 type

| Country | ADAPTER TYPE | | Catalog No. |
|----------------------------|--------------|-----------|-------------|
| | Dual | Single | |
| Argentina | Yes | | 33700-D |
| Australia | Yes | | 33175-D |
| Austria | Yes | | 33500-D |
| Belgium | Yes | | 33275-D |
| Brazil | Yes | | 33375-D |
| Czechoslovakia | Yes | | 33525-D |
| Denmark | Yes | | 33300-D |
| Finland | Yes | | 33250-D |
| France | Yes | | 33150-D |
| Germany | Yes | | 33100-D |
| Germany | Yes | | 33100-KT |
| Greece | Yes | | 33625-D |
| Holland | Yes | | 33400-D |
| Hungary | Yes | | 33450-D |
| India | | Yes | 33775 |
| Iran | | Yes | 33675-KT |
| Iraq | | Yes | 33675-KT |
| Italy | Yes | | 33200-D |
| Japan | Yes | | 33425-D |
| Jordan | Yes | | 33750-D |
| Korea | | Yes | 33650 |
| Kuwait | Yes | | 33800-D |
| Netherlands | Yes | | 33400-D |
| Norway | Yes | | 33250-D |
| Poland | Yes | | 33475-D |
| Russia | Yes | | 33475-D |
| South Africa | Yes | | 33325-D |
| Sweden | Yes | | 33225-D |
| Switzerland | Yes | | 33575-D |
| Turkey | Yes | | 33725-D |
| United Arab Emirates | Yes | | 33825-D |
| United Kingdom | Yes | | 33125-D |
| Yugoslavia | Yes | | 33550-D |

