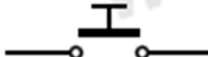
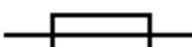
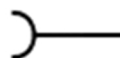


Basic Electrical and Electronic Symbols

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Symbols passive components

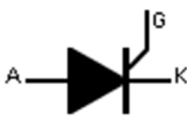
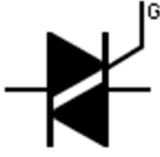
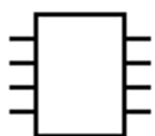
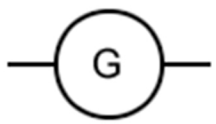
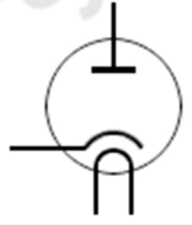
Symbols	Description	Symbols	Description
	Resistor IEC system + symbols		Resistor NEMA system + symbols
	Inductor / Coil + symbols		Capacitor + symbols
	Switch + symbols		Circuit switch + symbols
	Pushbutton + symbols		Plug IEC system + symbols
	Fuse + symbols		Female plug IEC system + symbols
	Electric line + symbols		Plug NEMA system + symbols
	Ground + symbols		Female plug NEMA system + symbols

More information about these and other symbols www.electronic-symbols.com

Basic Electrical and Electronic Symbols

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Symbols active components

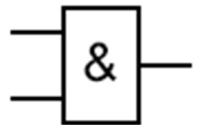
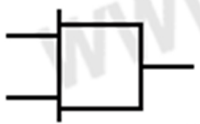
Symbols	Description	Symbols	Description
	Diode + symbols		Diac + symbols
	Thyristor + symbols		Triac + symbols
	IC / Chip + symbols		Amplifier + symbols
	Electric generator + symbols		Battery + symbols
	Transistor + symbols		Vacuum tube / Electron tube Example: Diode + symbols

More information about these and other symbols www.electronic-symbols.com

Basic Electrical and Electronic Symbols

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Symbols active components (Digital electronic)

Symbols	Description	Symbols	Description
	AND gate ANSI system + symbols		OR gate ANSI system + symbols
	NAND gate ANSI system + symbols		NOR gate ANSI system + symbols
	AND gate British system + symbols		OR gate British system + symbols
	AND gate NEMA system + symbols		OR gate NEMA system + symbols

Instrumentation symbols

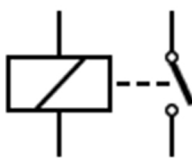
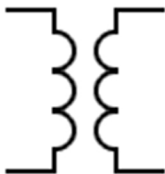
	Ammeter + symbols		Voltmeter + symbols
	Ohmmeter + symbols		Frequencymeter + symbols
	Wattmeter + symbols		Electric clock + symbols
	Electrical counter / Integrator The asterisk is replaced by the letter or symbol for the quantity count + symbols		Recording instrument The asterisk is replaced by the letter or symbol of the magnitude recorded + symbols

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Basic Electrical and Electronic Symbols

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Other basic electrical and electronic symbols

Symbols	Description	Symbols	Description
	Antenna / aerial + symbols		Speaker + symbols
	Microphone + symbols		Lamp / Light Bulb + symbols
	Direct current, DC + symbols		Alternating current, AC + symbols
	Positive polarity + symbols		Negative polarity + symbols
	Piezoelectric crystal + symbols		Relay (Coil and Switch) + symbols
	Electric transformer + symbols		Electric motor + symbols

More information about these and other symbols www.electronic-symbols.com