

Electrical Safety: General Requirements

Instructions: This checklist is intended to help you identify potential hazards in your workplace. The questions are based on applicable Federal OSHA standards. Keep in mind that additional state and local regulations may apply, depending upon your location. Please check one answer for each question. If you select “no,” you should investigate further to determine what corrective action may be needed to address the hazard. You can review the specific OSHA Standards outlined below at www.osha.gov/law-regs.html. Choose “General Industry” or “Construction.”

	Questions	OSHA Regulation	Yes	No	N/A
	General Requirements				
1)	Are only approved conductors and equipment used for electrical installations?	1910.303(a)			
2)	Is electrical equipment free from recognized hazards that are likely to cause death or serious physical harm to employees?	1910.303(b)(1)			
3)	Are conductors spliced or joined by using suitable devices or by brazing, welding, or soldering with a fusible metal or alloy?	1910.303(c)(3)(i)			
4)	Are all parts of electrical equipment that ordinarily produce arcs, sparks, flames, or molten metal enclosed or isolated from all combustible material?	1910.303(d)			
5)	Is all electrical equipment marked with the voltage, current wattage or other ratings as necessary?	1910.303(e)(1)(ii)			
6)	Is sufficient access and working space provided for all electric equipment to permit safe operation and maintenance of the equipment?	1910.303(g)(1)			
7)	Are electric equipment operating at 50 volts or more guarded against accidental contact by approved cabinets or other forms of approved enclosures?	1910.303(g)(2)(i)			
8)	Are entrances to buildings, rooms and other guarded locations containing exposed live parts locked and marked with warning signs for unqualified persons to enter?	1910.303(g)(2)(iii)			

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	General Requirements				
9)	Are rooms or enclosures containing exposed live parts or conductors operated at more than 600 volts, nominal, kept locked, or under the observation of a qualified person at all times?	1910.303(h)(2)			
	Hazardous Locations				
10)	Are all conduits threaded and made wrench-tight?	1910.307(d)			
11)	Are all equipment, wiring methods, and installations of equipment in hazardous (classified) locations intrinsically safe, approved for the hazardous location, or safe for the hazardous location?	1910.307(c)			
12)	Is equipment approved not only for the class of location, but also for the ignitable or combustible properties of the gas, vapor, dust, or fiber that will be present?	1910.307(c)(2)(i)			
13)	Is equipment in a hazardous location marked to show the class, group, and operating temperature?	1910.307(c)(2)(ii)			
	Overcurrent Protection 600 Volts, Nominal, or Less				
14)	Are circuit breakers clearly indicated whether they are in the open (off) or closed (on) position?	1910.304(f)(1)(vi)			
15)	Are conductors and equipment protected from overcurrent in accordance with their ability to conduct current safely?	1910.304(f)(1)(i)			
16)	Are disconnecting means provided for (a) all cartridge fuses that are accessible to other than qualified persons and (b) all fuses and thermal cutouts on circuits over 150 volts to the ground?	1910.304(f)(1)(iii)			
17)	Are fuses and circuit breakers located or shielded so that people will not be burned or otherwise injured by their operation?	1910.304(f)(1)(v)			

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	Overcurrent Protection 600 Volts, Nominal, or Less				
18)	Are overcurrent devices (except for the motor running overload protection) designed so as to not interrupt the continuity of the grounded conductors unless all conductors of the circuit are opened simultaneously?	1910.304(f)(1)(ii)			
19)	Are overcurrent devices readily accessible to all authorized personnel?	1910.304(f)(1)(iv)			
20)	Are the overcurrent devices located so that they will not be exposed to physical damage nor located near easily ignitable material?	1910.304(f)(1)(iv)			
21)	Is this disconnecting means installed so that the fuse or thermal cutout can be disconnected from its supply without disrupting service to the equipment and circuits unrelated to those protected by the overcurrent device?	1910.304(f)(1)(iii)			
22)	On switches in 120-volt fluorescent lighting circuits, is the circuit breaker approved for this purpose and marked "SWD"?	1910.304(f)(1)(viii)			
23)	When circuit breaker handles on switchboards are operated vertically rather than horizontally or rotationally, is the up position of the handle the closed (on) position?	1910.304(f)(1)(vii)			
	Wiring Methods, Components, and Equipment for General Use				
24)	Are all conductors used for general wiring insulated?	1910.305(f)(1)			
25)	Are all pull boxes, junction boxes, and fittings provided with approved covers?	1910.305(b)(2)(i)			
26)	Are all unused openings in cabinets, junction boxes, and fittings effectively closed?	1910.305(b)(1)(ii)			

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	Wiring Methods, Components, and Equipment for General Use				
27)	Are cabinets, cutout boxes, fittings, boxes, and panel board enclosures in damp or wet locations installed so as to prevent moisture or water from entering and accumulating within the enclosure?	1910.305(e)(1)			
28)	Are conductors entering boxes, cabinets, or fittings protected from abrasion?	1910.305(b)(1)(i)			
29)	Are fixtures, lamp holders, lamps, rosettes, and receptacles designed and maintained so that no live parts can expose employees to contact?	1910.305(j)(1)(i)			
30)	Are flexible cords used only in continuous lengths without splices or tap?	1910.305(g)(2)(ii)			
31)	Are means provided to disconnect each appliance from all ungrounded conductors?	1910.305(j)(3)(ii)			
32)	Are metal covers grounded?	1910.305(b)(2)(i)			
33)	Are receptacles installed in damp locations suitable for that location?	1910.305(j)(2)(iv)			
34)	Are receptacles, cord connectors, and attachment plugs constructed so that receptacles or cord connectors will accept only an attachment plug with a voltage or current rating for which the device is intended?	1910.305(j)(2)(ii)			
35)	Are switches, circuit breakers, and switchboards installed in wet locations enclosed in weatherproof enclosures?	1910.305(e)(2)			
36)	Does each outlet box have a cover, faceplate, or fixture canopy?	1910.305(b)(2)(i)			

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	Wiring Methods, Components, and Equipment for General Use				
37)	Is each appliance marked with its rating in volts and amperes, or in volts and watts?	1910.305(j)(3)(iii)			
38)	Is the insulated conductor distinguished by color or other suitable means as being the grounded conductor, ungrounded conductor, or equipment grounding conductors?	1910.305(f)(3)			
39)	Is the conductor insulation approved for the voltage, operating temperature, and location of use?	1910.305(f)(2)			

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