

**Chapter E 720**  
**CIRCUITS AND EQUIPMENT OPERATING AT**  
**LESS THAN 50 VOLTS**

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**E 720.01 General.** This chapter shall apply to installations operating at less than 50 volts, direct current or alternating current, except such as are treated in chapters E 650 and E 725.

**History:** Cr. Register, April, 1964, No. 100, eff. 5-1-64.

**E 720.02 Hazardous locations.** Circuits or equipment coming within the scope of this chapter and installed in hazardous locations shall comply with the appropriate provisions of chapters E 500-E 517 inclusive.

**History:** Cr. Register, April, 1964, No. 100, eff. 5-1-64.

**E 720.03 Larger current at lower voltage.** Conductors, devices, and equipment shall have current ratings sufficient for the greater current required to deliver equal power at the lower voltage than at usual voltages.

**History:** Cr. Register, April, 1964, No. 100, eff. 5-1-64.

**E 720.04 Conductors.** Conductors shall be not smaller than No. 12, and for appliance branch circuits supplying more than one appliance or appliance receptacle, conductors shall be not smaller than No. 10. (See section E 300.01.)

**History:** Cr. Register, April, 1964, No. 100, eff. 5-1-64.

**E 720.05 Branch circuit.** Not more than 8 lampholders or receptacles, nor a total load of more than 320 watts, shall be supplied by a branch circuit. Motors or appliances of rating more than 320 watts shall have a separate branch circuit.

(1) **EXCEPTION:** See section E 700.14.

**History:** Cr. Register, April, 1964, No. 100, eff. 5-1-64.

**E 720.06 Lampholders.** Standard lampholders of rating not less than 660 watts shall be used.

*Note:* This requirement does not apply to limited low voltage industrial lighting systems. Smaller lampholders may be used for low voltage lamps in connection with sewing machines and similar devices.

**History:** Cr. Register, April, 1964, No. 100, eff. 5-1-64.

**E 720.07 Receptacle rating.** Receptacles shall have a rating not less than 15 amperes.

**History:** Cr. Register, April, 1964, No. 100, eff. 5-1-64.

**E 720.08 Receptacles required.** Receptacles of not less than 20-ampere rating shall be provided in kitchens, laundries, and other locations where portable appliances are likely to be used.

**History:** Cr. Register, April, 1964, No. 100, eff. 5-1-64.

**E 720.09 Overcurrent protection.** Overcurrent protection shall comply with the provisions of chapter E 240.

**History:** Cr. Register, April, 1964, No. 100, eff. 5-1-64.

**E 720.10 Batteries.** See chapter E 480.

**History:** Cr. Register, April, 1964, No. 100, eff. 5-1-64.

**E 720.11 Grounding.** See section E 250.008 and subsection E 250.045 (3).

**History:** Cr. Register, April, 1964, No. 100, eff. 5-1-64.