

**Part 1: Electrical Requirements****120) Disconnecting Means for Supply Conductors**

**120.00.10)** The Customer shall provide quantity one (1) disconnect device to isolate each set of We Energies supply circuits from the Customer substation equipment.

**120.00.20)** The disconnect device(s) shall be located at the nearest point of connection to the We Energies owned supply conductors.

**120.00.30)** The disconnect device(s) shall be readily accessible. The disconnect device(s) shall be located near a door or gate providing egress from the substation. Other substation equipment shall not be located between the door or gate and the operator of the disconnect device(s).

**120.00.40)** Disconnect devices which are accepted by We Energies shall consist of one of the following types of equipment in 120.00.40.a through 120.00.40.d:

**a)** A three phase group-operated load interrupter switch. The device shall conform to the requirements of 120.00.50, 120.00.60 and 120.00.70.

**b)** For single phase services, a single pole load interrupter switch. The device shall conform to the requirements of 120.00.50, 120.00.60 and 120.00.70.

**c)** Non draw-out type circuit breakers or circuit reclosers when associated with disconnect switch(es) located on the source side of the circuit breaker or recloser. The disconnect switches shall conform to the requirements of 120.00.50.

**d)** Draw-out type circuit breakers.

**120.00.50)** The switch or disconnect shall provide a visible break of all circuit phases. The visible break shall be observable from the source side of the circuit breaker or recloser.

**120.00.60)** The switch shall be operated by a handle mechanism without exposing the operator to contact with live parts.

**120.00.70)** The operating handle shall have provisions for locking in the open and closed position. The customer shall lock the switch in the proper position, and provide a mechanism to allow We Energies personnel to operate the switch. This is typically accomplished by providing a key to the customer lock, or by providing a shackle which has an opening at either end (this allows the customer to install a lock at one end, and We Energies to install a lock at the other end).



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**120.00.80)** An insulator shall be installed in the operating pipe of any switch installed on a wood pole or metal structure. This insulator shall be rated to withstand the phase to ground voltages on the system it will ultimately be served from and shall be located at an elevation of 10' to 12' above the operating handle for the switch.