

2014 National Electrical Code® (NEC®) 240.87 for Group Metering (1200A and higher)

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A white paper is available in the download center and clarifies the issue presented in NEC Article 240.87 for residential applications.

As stated in the paper, setting and maintaining the main device at the minimum pickup level has the same effect as keeping a similar device with a maintenance switch constantly in the "Maintenance Mode" position and should be considered an equivalent means of reducing arc flash energy complying with Article 240.87 (B)(5).

Siemens PowerMod™ currently offers alternative means which comply with NEC240.87:

Main Switch Alternative

Use a Main Switch:

- Fuses are not subject to the requirements of NEC 240.87.
- For PowerMod, we have fused switches available up to 1200 amps.

Note: 1200 Amp WS switches for PowerMod are UG feed only.

Cross Bus Main Alternative

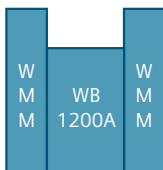
Use a Cross Bus Main:

- Split the load using a tap box and one or more cross bus mains at lower levels.
- Breakers lower than 1200 amps are not subject to NEC 240.87.
- For example, instead of using a 1200A WB, you can use a 1200A WTB tap box with a 600A WXB on each side, eliminating any consideration for NEC 240.87.

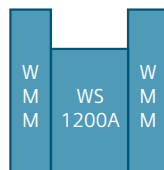
Note: This solution may require more wall space, but may also be more cost effective.

WS example:

Instead of WB 1200A

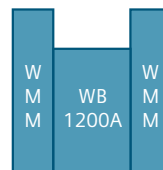


Use WS 1200A

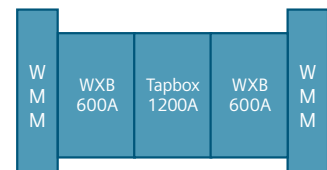


WXB example:

Instead of a WB 1200A



Use 2 WXBs 600A



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