



## UL Listing of MCC Sections and Units

### Why are MCC sections and units Listed separately?

The UL Listing Mark on a motor control center section does not cover everything in that section, as one might expect, and as would be the case for some other products, such as switchboards. The Listing of an MCC section is independent of the Listing of any units installed in that section, and vice versa.

First, a brief explanation of some terms.

According to UL 845, a motor control center is “a floor-mounted assembly of one or more enclosed vertical sections typically having a horizontal common power bus and principally containing combination motor control units.”

An MCC section includes the enclosure, framework, and (usually) horizontal and vertical bus. One or more MCC units (mains, branches, combination starters, etc.) may be installed in a section.

The basic reason that MCC sections and units are Listed separately is that MCCs are modular; units (at least smaller ones) are plugged onto a vertical bus and may be removed and replaced with other units. Therefore, it makes sense for each unit to have its own UL Listing Mark, independent of the Listing of the section, or of other units, which will go with the unit if it ends up in a different MCC section. Also, MCCs may be shipped with empty spaces in which units (Listed or unlisted) may be installed later. An MCC unit, Listed or unlisted, may be sold as a separate item, i.e., not installed in a section.

### What does UL say?

The Guide Information for product category NJAV, motor control centers, on the UL Online Certification Directory, states that “Listing Mark on the motor control center section does not cover the individual units that are installed in the section”, and “Each Listed motor control center unit is identified by its own Listing Mark. Only those sections and units that bear the Listing Mark are covered under the UL Follow-Up Service.”

The UL Follow-Up and Inspection Instructions (“FUII Pages”) for motor control centers says:

L2. The manufacturer may choose not to list some sections within the Motor Control Center. ...

L3. The manufacturer may choose not to list some units in a Listed section or to list some units in an unlisted section.

One further note about the UL Listing of motor control centers. Per the NJAV Guide Information, there are three products that may be Listed under the motor control center category: MCC sections, MCC units, and MCC Rainproof Enclosures. So if an MCC enclosure is a UL Listed Type 3R enclosure, it carries its own UL Listing Mark, in addition to any Listing Mark that may be on a section or unit inside the enclosure.

**Conclusion:**

A UL Listed MCC section may be installed in a motor control center in which there are unlisted sections. An unlisted MCC unit may be installed in a Listed section, and a Listed MCC unit may be installed in a section that is Listed or one that is not Listed. Each Listed MCC section, MCC unit, and MCC Type 3R enclosure bears its own UL Listing Mark.

**For More Information:**

For further information on this topic, please reference:

UL 845  
Motor Control Centers  
UL Online Certification Directory

**Visit the Schneider Electric North America Codes and Standards Electrical Shortz website:**

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