

ReliaGear™ LV MCC

Requirements for installing into existing MCCs



The ReliaGear low voltage motor control center (LV MCC) can be used in conjunction with existing customer motor control centers (MCCs), including the 7700-Line, 8000-Line, Spectra Series™ and Evolution Series E9000.

For 7700-Line, 8000-Line and Spectra Series branded line-ups, the ReliaGear LV MCC is not compatible with the existing MCC vertical sections; however, ReliaGear LV MCC vertical sections can be spliced onto the existing line-up. Depending on the bus design of the existing MCC, a transition section may be required for the main buses to align.

For Evolution Series E9000, the ReliaGear LV MCC units are compatible with the existing MCC vertical sections. A ReliaGear LV MCC unit may be installed directly into an Evolution Series E9000 vertical section. Additionally, ReliaGear LV MCC vertical sections are compatible to splice directly onto existing Evolution Series E9000 lineups.

Warning: Installing a ReliaGear LV MCC unit in an existing vertical section or splicing a ReliaGear LV MCC vertical section onto an existing line-up may invalidate the UL 845 listing. See following page for requirements to maintain the UL 845 listing.

To maintain the UL 845 listing for the line-up and avoid potentially dangerous conditions, follow the requirements below:

1. When installing ReliaGear™ LV MCC units or splice-on vertical sections with only SACE® Tmax® XT2 and SACE Tmax XT4 circuit breakers, there are no UL 845 concerns. No further action is required.
2. When installing ReliaGear LV MCC units or sections with SACE Tmax XT5 or SACE Tmax XT7 circuit breakers, always follow these requirements:
 - A. To splice on a new ReliaGear LV MCC vertical section:
 - For 7700-Line, 8000-Line and Spectra Series: A transition section is required between the 8000-Line vertical section and the ReliaGear LV MCC vertical section if the ReliaGear LV MCC vertical section being spliced to the 8000-line line-up contains a SACE Tmax XT5 or SACE Tmax XT7 circuit breaker.
 - For Evolution Series E9000: If the ReliaGear LV MCC vertical section being spliced onto the line-up has a SACE Tmax XT5 or SACE Tmax XT7 circuit breaker installed in the E9000 vertical section adjacent to the ReliaGear LV MCC splice-on vertical section:
 - Replace latches in the top wireway cover, bottom wireway cover and all unit doors
 - Replace the vertical wireway door (because the latches are in different locations)
 - B. To install a new SACE Tmax XT5 or SACE Tmax XT7 unit in an existing section:
 - For 7700-Line, 8000-Line and Spectra, this is not possible. A ReliaGear LV MCC bucket cannot be installed in these vertical sections.
 - For Evolution Series E9000 vertical sections, to install SACE Tmax XT5 or SACE Tmax XT7 based units:
 - In the vertical section to the left of the SACE Tmax XT5 or SACE Tmax XT7 unit (if applicable):
 - Replace all latches in the top wireway cover, bottom wireway cover and all unit doors
 - Replace the vertical wireway door (because the latches are in different locations)
 - In the vertical section where the SACE Tmax XT5 or SACE Tmax XT7 unit is being installed:
 - Replace all latches in the vented top wireway cover (if applicable), bottom wireway cover and all unit doors
 - Replace the vertical wireway door (because the latches are in different locations)
 - If applicable, replace the non-vented top wireway cover with a vented top wireway cover. Note: Vented wireway covers are listed in the **ReliaGear LV MCC renewal parts catalog**.
 - In the vertical section to the right of the SACE Tmax XT5 or SACE Tmax XT7 unit (if applicable)
 - Replace all latches in the top wireway cover, bottom wireway cover and all unit doors
 - Replace the vertical wireway door (because the latches are in different locations)