



2020-02-11

Mr. David Hewitt
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Our Reference: File E82615, E82617, E160869 and E468786;
Project Number - 4789379155

Subject: Murray Breaker Types Used in Siemens Equipment

Dear Mr. Hewitt:

At Siemen’s request, UL LLC reviewed the documentation associated with Murray Circuit Breakers listed below and compared this documentation to the existing Siemens Circuit Breakers listed below. These breakers are identical in construction except for type and catalog number. The correlation of the two breaker types is shown in the table below:

Breaker Types (Marked on Siemens Panelboard)	Murray Breaker Type
QAF2 / QAFH2 / HQAF2	MP-AT2 / MP-HAT2 / MP-MAT2
QAF / QAFH	MP-AT / MP-HAT
QAF2 / QAFH2 / HQAF2	MP-AT2 / MP-HAT2 / MP-MAT2
QFGA2 / QFGAH2 / HQFGA2	MP-GAT2 / MP-HGAT2 / MP-MGAT2
QP	MP-T
QT	MH-T
QP	MP-T
QPP / QPPH / HQPP / HQPPH	MPP-T / MPP-HT / MPP-MT / MPP-PT
QPF2, QPHF2, HQPF2	MP-GT2, MP-HGT2, MP-MGT2
QE2, QEH22	MP-ET2, MP-HET2

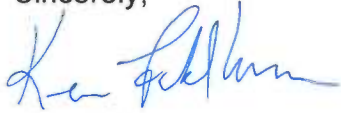
The comparison included a review of the following:

- Electrical and wiring spaces
- Housing dimensions of breaker with respect to the alignment with dead-fronts or other Circuit Breakers
- Accessibility of wiring terminals
- Equivalent ratings, including wiring terminal temperature ratings and field wiring conductor temperature ratings and types
- Identical applications of handle ties

- Verification that the interconnecting mechanism and breaker and the panelboard are identical between breaker types
- Interrupting rating and arc vent locations are equivalent

Based on UL LLC's review of the documentation, the "Murray Types", manufactured by Siemens, are determined to have compatible construction and performance specifications to the corresponding Siemens breakers listed in the table. The Murray circuit breaker types, manufactured by Siemens, may be used or are suitable replacements in Siemens panelboards, or other products, designating the use of the Siemens circuit breaker types. This comparison for replacement breakers includes evaluation as part of a Series Rating.

Sincerely,



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Reviewed by:



Tom Skibbs

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