

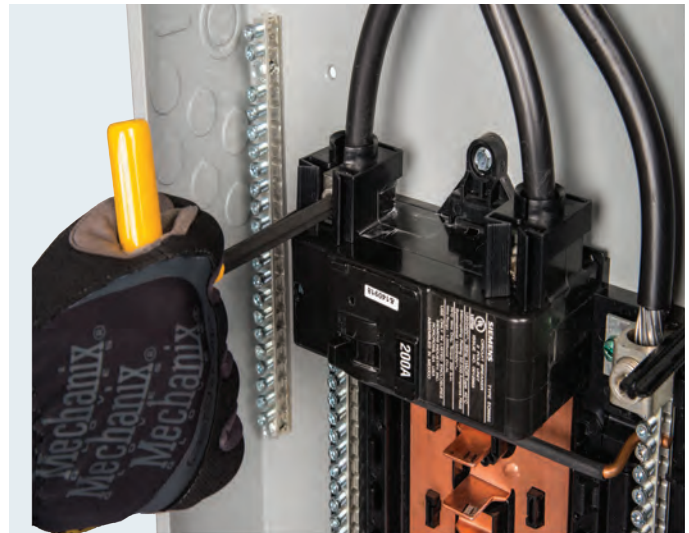
# UL 67 Compliant Load Centers and Panelboards

**Service entrance barrier changes to meet new enhanced safety requirements.**

## What is UL 67?

Beginning January 1, 2017, enhanced UL 67 safety requirements will take effect, applying to all panelboards and load centers with service equipment applications. To comply, any single service disconnect panelboard or load center must have provisions such that, when the service disconnect is opened, no person in the field servicing the equipment load side can make accidental contact to live circuit parts. Barriers to protect against unintended contact shall be constructed in such a way that they are easily installable and removable without contacting or damaging bare or insulated live parts.

In addition to meeting new UL 67 requirements, these enhancements will meet the new requirements in Section 408.3(A)(2) of the 2017 National Electric Code. Although these new service barrier requirements enhance the safety of working on panelboards, Siemens recommends turning off and locking all power supplying these panelboards before working inside to avoid any potential hazards. Electrical equipment should always be placed in an electrically safe condition prior to working inside. Installation and maintenance of this equipment should only be done by a qualified person. Appropriate personal protective equipment (PPE) must be worn and safe work practices must be followed. See NFPA 70E for information on PPE and safe work practices.



## Lighting panels and power panels

Panels are factory labeled suitable for use as service entrance equipment when NEC requirements are met. Factory installed and field installable Service Entrance Barrier kits are now available as required by UL 67.



ND Main Breaker (With line side UL 67 barrier installed on the left side of the breaker)

### Type P1 Service entrance barriers

Field installable barriers to meet UL 67 service entrance requirements

| Catalog number | Description                                            |
|----------------|--------------------------------------------------------|
| SEBKR1V1       | FD, QJ, QR Service Entrance Barrier Kit (Revised P1)   |
| SEBKR1V2       | ED Service Entrance Barrier Kit (Revised P1)           |
| SEBKR1V3       | BQD Service Entrance Barrier Kit (Revised P1) back-fed |
| SEBKR1V4       | xGB Service Entrance Barrier Kit (Revised P1) back-fed |
| SEBKR1P2P3V1   | JD, LD Service Entrance Barrier Kit (RP1, P2, P3)      |

### Type P2 Service entrance barriers

Field installable barriers to meet UL 67 service entrance requirements

| Catalog number | Description                                                                |
|----------------|----------------------------------------------------------------------------|
| SEBKP2V1       | BL, BQD Main Service Entrance Barrier (P2 only)                            |
| SEBKP2V2       | xGB Main Service Entrance Barrier (P2 only)                                |
| SEBKP2V3       | FD, QJ, QR Horizontal Main Service Entrance Barrier (P2, P2 with SEM3, P3) |
| SEBKP2V4       | FD, QJ, QR Vertical Main Service Entrance Barrier (P2, P2 with SEM3)       |
| SEBKP2V5       | ED Horizontal Main Service Entrance Barrier (P2, P2 with SEM3)             |
| SEBKP2V6       | ED Vertical Main Service Entrance Barrier (P2, P2 with SEM3)               |
| SEBKP1P2P3V1   | D, LD Service Entrance Barrier Kit (RP1, P2, P3)                           |

### Type P3 Service entrance barriers

Field installable barriers to meet UL 67 service entrance requirements

| Catalog number | Description                                       |
|----------------|---------------------------------------------------|
| SEBP3V1        | Service Entrance Barrier Kit CFD, FD (P3 only)    |
| SEBKP1P2P3V1   | JD, LD Service Entrance Barrier Kit (RP1, P2, P3) |

### Type P4 Service entrance barriers

Field installable barriers to meet UL 67 service entrance requirements

| Catalog number | Breaker type     |
|----------------|------------------|
| SEBP4V1        | (S)JD, (S)LD, MG |
| SEBP4V2        | CJD, CLD         |
| SEBP4V3        | JG, LG           |

### Type P5 Service entrance barriers

Field installable barriers to meet UL 67 service entrance requirements

| Catalog number | Breaker type                |
|----------------|-----------------------------|
| SEBP4V1        | (S)JD, (S)LD, MG            |
| SEBP4V2        | CJD, CLD                    |
| SEBP4V3        | JG, LG                      |
| SEBP5V1        | (S)MD, (S)ND without shield |
| SEBP5V2        | (S)MD, (S)ND without shield |
| SEBP5V3        | Vacu-Break Switches         |
| SEBP5V4        | HCP Switches                |

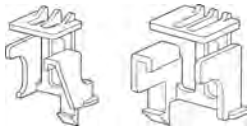
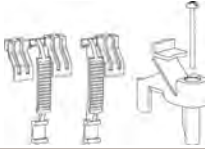
## Load centers and meter combos

Touchsafe barriers are required for any single main service entrance application for a panel covered under UL 67. Line Terminal Barriers will be included in Main Breaker Load Centers and Single Main Meter Combos manufactured after January 1, 2017.

Single phase and 3-phase main breaker kits will include a barrier. Field installable kits are being created for replacements if needed and line terminal barriers are being added to hold down kits that can be used in back-fed applications. The barriers are designed to have minimal interference during load center installation, and can be removed and reattached as necessary.



## Service entrance barriers

|                                                                                     | Catalog number | Description                                                                                         |
|-------------------------------------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------|
|    | ECLTB1         | For EQ Main Breakers/MBK kits 100A-125A                                                             |
|   | ECLTB2         | For EQ Main Breakers/MBK kits 150A-225A                                                             |
|  | ECLTB3         | For QN / QNR type breakers                                                                          |
|  | ECLTB4         | For QR 3 phase breakers                                                                             |
|  | ECMBR1         | For 2 Pole QP / MP-T type breakers for EQIII (extruded basepan) and Line 5 Load Centers             |
|  | ECMBR2         | For 2 Pole QP / MP-T type breakers to be used with Ultimate LCs (now ES / PL), Murray or Rock Solid |
|  | ECMBR3         | For 3 Pole QP / MP-T type breakers to be used with PL, ES 3 phase load centers                      |
|  | ECLX387HD      | For 2 Pole MP-T type breakers in legacy Murray load centers                                         |

## Questions and Clarifications Page

**Q: When is the COMPAS launch?**

**A:** COMPAS Launch is set for week of Oct. 24. Click the check box to include a service entrance barrier kit in BOM.

The screenshot shows the 'Panelboard' configuration window with several tabs: General\*, Interior\*, Front and Enclosure\*, Nameplates\*, Panel Type\*, Paint\*, and Product Services\*. The 'General\*' tab is active. It contains fields for 'Designation\*' (with an orange arrow pointing to the 'Service Entrance' checkbox), 'Enclosure Type\*' (set to 'Indoor'), 'Classification' (with 'Column Type' and 'SBK3' checked), 'Circuit Numbering' (with 'Alignment' set to 'Horizontal' and 'Circuit Type' set to 'By Poles'), and 'Mounting\*' (set to 'Surface'). The 'Service Entrance' checkbox is checked, and the 'Continuous' checkbox is also checked.

**Q. What if a job has already been ordered, but is shipping after Jan. 1, 2017?**

**A.** Please contact the plant directly or customer service to coordinate a service entrance barrier kit to be shipped to the job site.

**Q. Does UL 67 apply to any other Siemens products?**

**A.** Switchboards, Motor Control Centers and Low Voltage Switchgear are not affected by UL 67 because they already have their own service entrance requirements.

**Q. What about panelboards and load centers already installed in the field that do not have service entrance barrier provisions?**

**A.** According to the standard, existing field sites/jobs do not need to be retrofitted.

**Q. How do I work with and around the barrier when it is installed?**

**A.** Instruction sheets will come with every kit. Sheets can also be downloaded online in case they are lost.

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