



# Improved safety switch barrier solutions work to reduce the number of work related incidents providing a safer work environment.

In response to incidents caused by inadvertent contact with energized objects, governing bodies have chosen to update the codes and standards. The purpose of this update is to enhance safety in electrical distribution systems – including the installation and servicing of safety switches.

### 2020 NEC 230.62(C) Barriers:

Barriers shall be placed in service equipment such that no uninsulated, ungrounded service busbar or service terminal is exposed to inadvertent contact by persons or maintenance equipment while servicing load terminations.

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## Future Expected Updates:

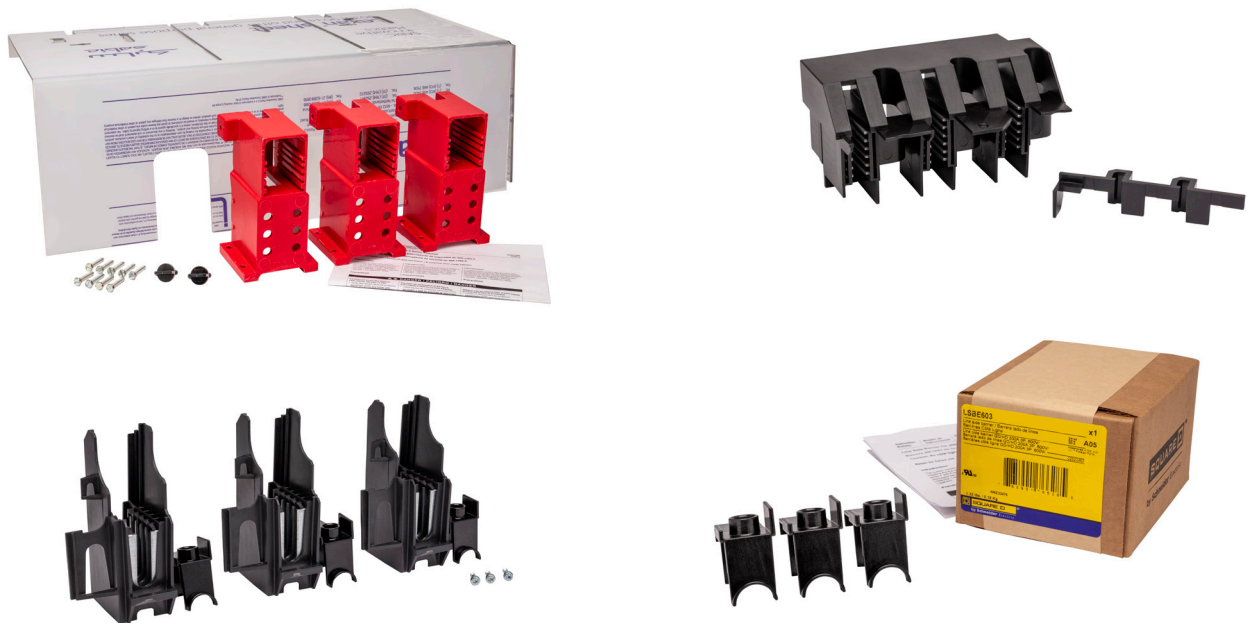
### Guarding against inadvertent contact

Service equipment shall be constructed such that, with every service disconnect in the off position, ungrounded uninsulated live parts on the supply side of a service disconnect are protected against inadvertent contact by persons while servicing any field connected load terminal, including a neutral load terminal, a branch circuit equipment grounding terminal, or the neutral disconnect link.

The change applies any time a safety switch is being used as service entrance equipment. Even with the barrier in place, the safety switch must still be de-energized before opening the cover. However, the new requirement guards against inadvertent contact with any exposed line side parts that would still be energized unless the upstream meter is pulled.

Square D offers compliant barrier solutions for Square D brand safety switches from Schneider Electric. The required barrier kits are ordered separately for service entrance applications, or for upgrading existing safety switch.

Kits can be ordered from any Square D distributor.



## Compliant barrier solutions for Square D brand safety switches from Schneider Electric.

Catalog	Description	Blades/Fuses	Safety Switch Application
LSBD202	Line side barriers for general duty and heavy duty	2 or 3	240 V – 30 A 240 V – 60 A
LSBC02	Line side barriers for general duty and heavy duty	2 or 3	240 V – 100 A 600 V – 60 A 600 V – 100 A
LSBD602	Line side barriers for general duty and heavy duty	2 or 3	600 V – 30 A
LSBE202	Line side barriers for general duty and heavy duty	2	240 V – 200 A
LSBE203	Line side barriers for general duty and heavy duty	3	240 V – 200 A
LSBE603	Line side barriers for general duty and heavy duty	3	600 V – 200 A
LSBG202	Line side barriers for heavy duty	2	240 V – 400 A 240 V – 600 A
LSBG203	Line side barriers for heavy duty	3	240 V – 400 A 240 V – 600 A
LSBG602	Line side barriers for heavy duty	2 or 3	600 V – 400 A 600 V – 600 A
LSB102	Line side barriers for heavy duty	2 or 3	240 V – 400 A 240 V – 600 A 240 V – 800 A
LSBF202	Line side barriers for heavy duty	2	240 V – 800 A 240 V – 1200 A
LSBF203	Line side barriers for heavy duty	3	240 V – 800 A 240 V – 1200 A
LSBF602	Line side barriers for heavy duty	2 or 3	600 V – 800 A 600 V – 1200 A



Schneider Electric is also incorporating the barriers as shipped from the factory for a set of products 30 to 200 AMPS. These units will not require the kits to meet the barrier requirements.

Square D Schneider Electric brand product that include the compliant barriers as shipped\*

General Duty		
AMP	Type 1	Type 3R
60	D222N	D222NRB
100	D223N	D223NRB
200	D224N	D224NRB
60	D322N	D322NRB
100	D323N	D323NRB
200	D324N	D324NRB
100	DU323	DU323RB
200	DU324	DU324RB

Heavy Duty					
AMP	Type 1	Type 3R	Type 4X	Type 4X	Type 12
30	H321N	H321NRB	H321DS	H321SS	H321AWK
60	H322N	H322NRB	H322DS	H322SS	H322AWK
100	H323N	H323NRB	H323DS	H323SS	H323AWK
200	H324N	H324NRB	H324DS	H324SS	H324AWK
200			H324NDS		H324NAWK
30	HU321	HU321RB	HU321DS	HU321SS	HU321AWK
60	HU322	HU322RB	HU322DS	HU322SS	HU322AWK
100	HU323	HU323RB	HU323DS	HU323SS	HU323AWK
200	HU324	HU324RB	HU324DS	HU324SS	HU324AWK

\*All products are shipped as suitable for service entrance



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