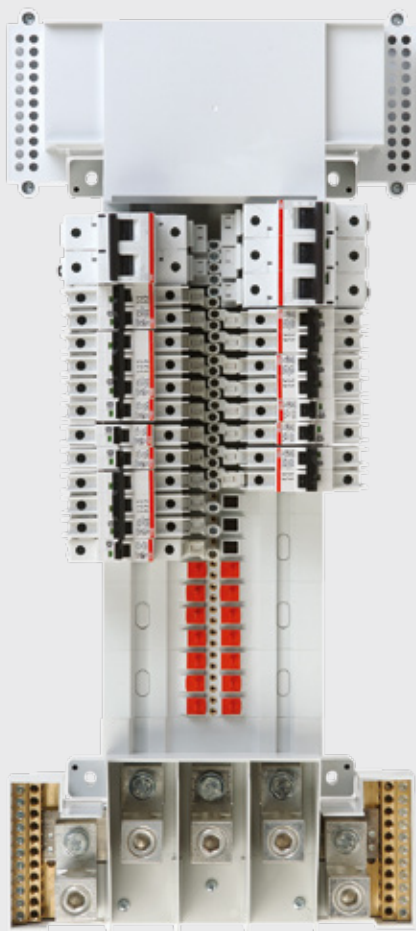



BROCHURE

ProLine panelboards and breakers

The safest in its class



ProLine panelboards

The safest in its class

ProLine is the first UL 67 panelboard on the market offering touch-safe capabilities and total breaker coordination. ProLine has the industry's first UL listed current-limiting breaker. It provides valuable features to those who demand the best possible protection for workers against arc flash and electrical shock during installation or maintenance.



Enhance safety

- The first UL 67 panelboard with a certified touch-safe IP20 rating
- Completely encased busbars isolate personnel from unintentional contact with energized components
- Current-limiting branch breakers reduce potential for arc flash in a short circuit event
- Pluggable branch breakers with non-energized bolt-on screw further reduce potential for contact with energized components
- Touch-safe neutral assembly



Improve uptime

- Fully coordinated branch and main breakers contain the fault to the branch level, leaving the main and other branch circuits up and running



Powerful ratings

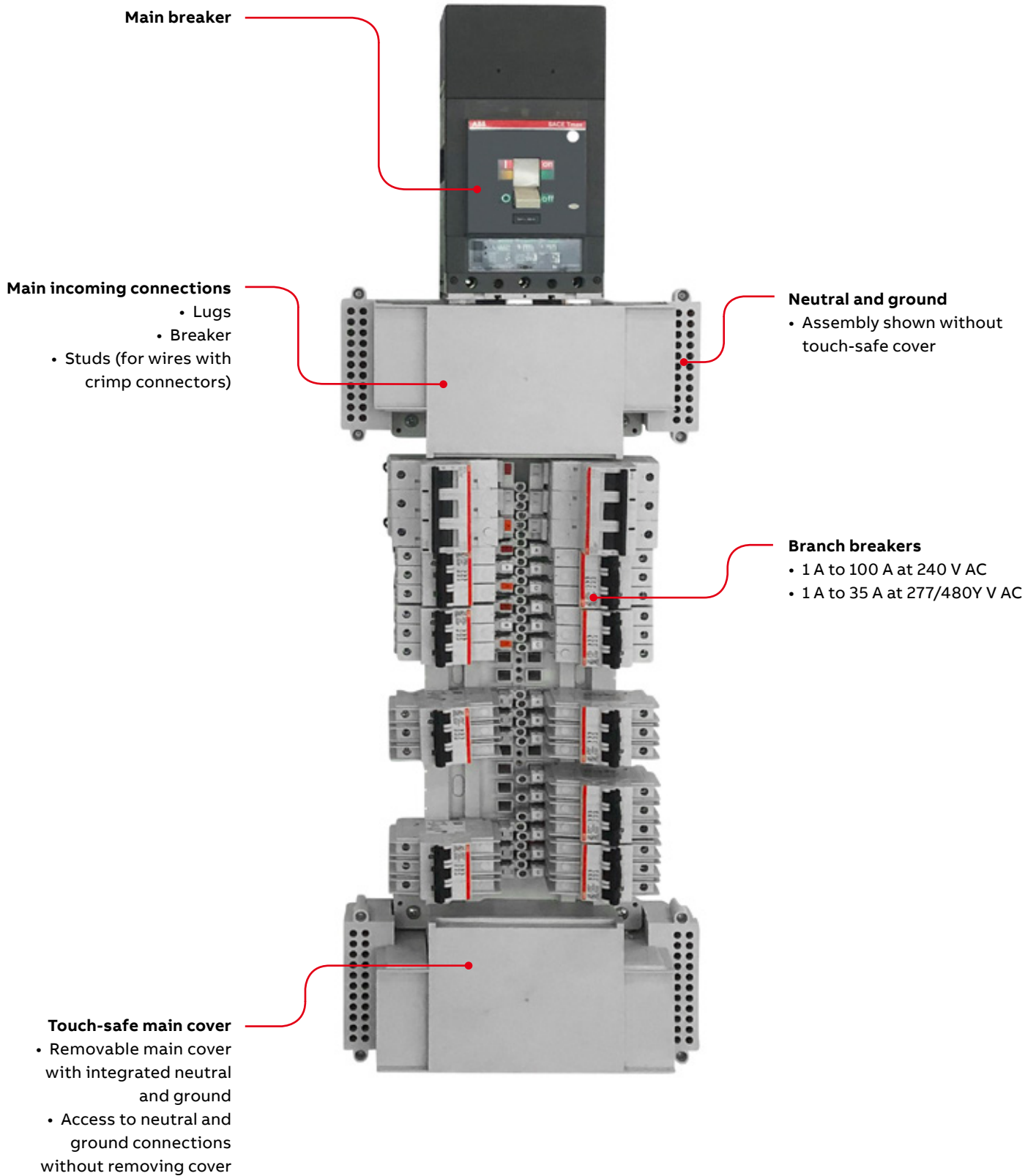
- Up to 400 A full feed-through capability
- External loads over 100 A may be fed using double ended as feed-through
- 5 kV dielectric rating for resin-encased busbar

Options

Electrical

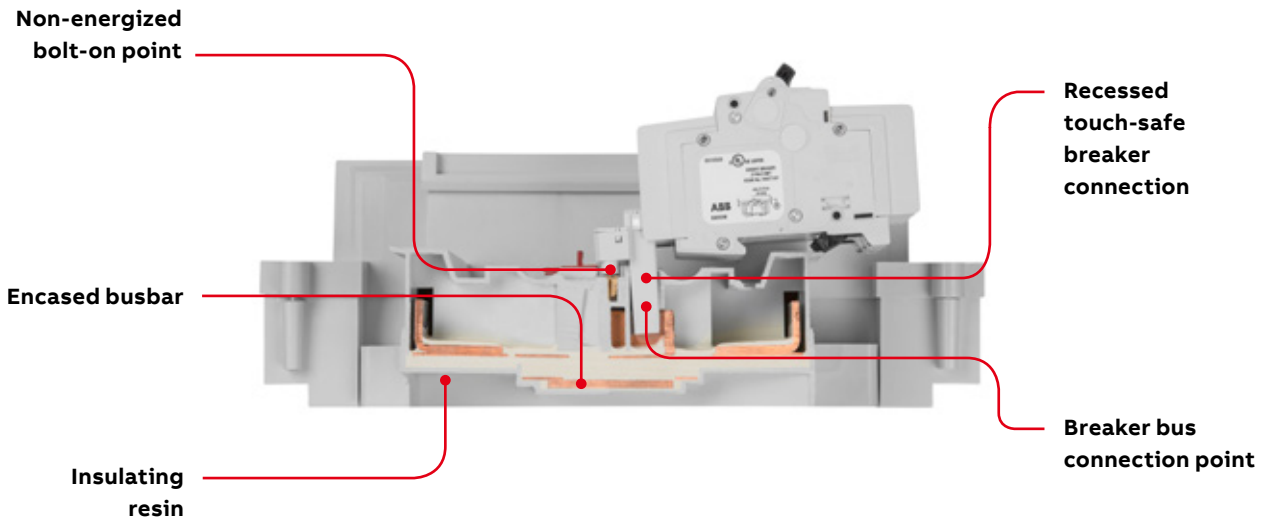
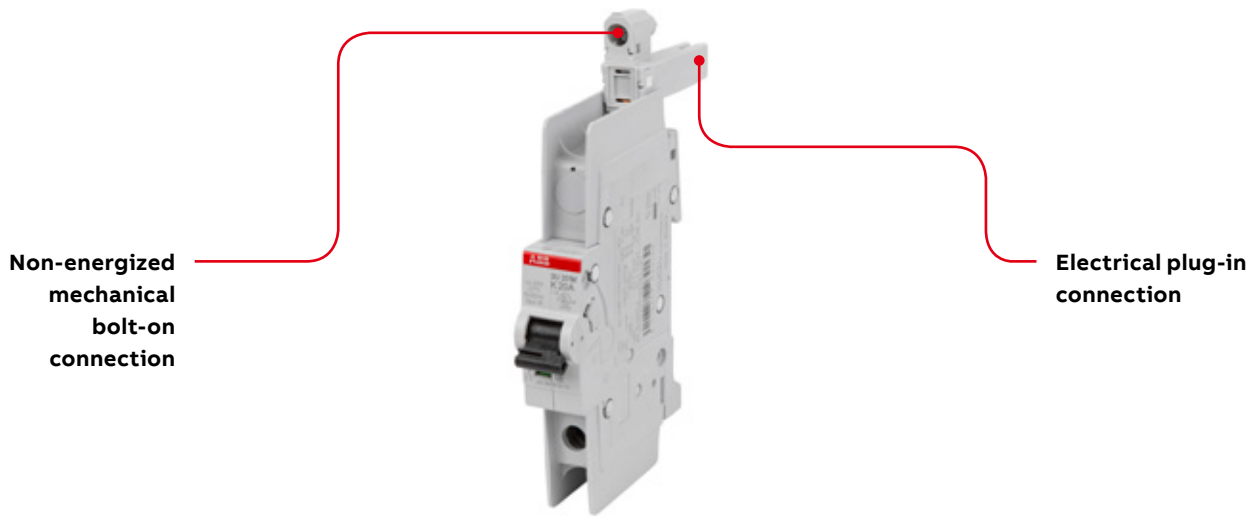
- UL File #E499134
- UL 67
- 225 A, 250A and 400 A
- 12, 24, 42, 84 circuits
- Up to 240 V and 277/480Y V AC
- 35 kAIC series rating (240 V)
- 14 kAIC series rating (277/480 V)
- Single- or double-ended incoming fully rated feed-through lugs
- 1 A to 100 A branch breakers
- Fully rated sub-fed lugs or breaker
- K trip curve breakers
- N1 enclosure

Panelboard features



Features

Pluggable with non-energized bolt-on connection



Stable busbar design for high withstand ratings

- Busbar designed with more surface area than typical panelboard busbar
- Busbar encased in resin to aid stabilization in case of a fault

ProLine panelboards

Technical details

Specifications

Ratings	480Y/277 V, 3-phase 4-wire 225, 250 and 400 A chassis Single and three-phase versions Series combination ¹ rated for: 14 kA at 480Y/277 V, 35 kA at 240 V Branch breaker offering: Up to 100 A at 240 V, up to 35 A at 480Y/277 V
Versions	Available in circuit counts of 12, 24, 42 and 84 ² Single-ended; double-ended for full feed-through applications NEMA 1 surface-mount enclosed assemblies available

¹ Series combination ratings with Tmax T5 or XT4 or XT3 MCCB

² 84 circuit not available in Nema 1 enclosure, nor as double ended

PL700 breakers

Item	PL700U-K	PLU700M	PL700-K (L) PL700-K (R)
UL ratings	489	489	489
Number of poles	1, 2, 3	1, 2, 3	1, 2, 3
Tripping characteristic	K	K	K
Rated currents	1 to 50 A	1 to 35 A	60 to 70 A ¹ , 80 to 100 A ²
Minimum operating voltage	12 V	12 V	—
UL rated voltage and interrupting capacity			
Series rating	240 V AC; 35 kA with main breaker	480 V AC; 14 kA with main breaker	240 V AC; 35 kA with main breaker
120 V AC	10 kA	10 kA	50 kA: multi-pole
240 V AC	10 kA	10 kA	30 kA: single-pole
277 V AC	—	10 kA	—
277/480Y V AC	—	10 kA	—
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Rated voltage	240 V AC	277/480Y V AC	240 V AC
Protection category	IP 20	IP 20	IP 20
Main terminals			
Wire size	18–4 AWG/0.75–25 mm ²	18–16 AWG/13.3 in-lbs. 14–10 AWG/17.7 in-lbs. 8–4 AWG/39.8 in-lbs.	25–1 AWG
Torque	25 in-lbs./2.8 Nm	25 in-lbs./2.8 Nm	35 in-lbs./4 Nm
Tool	#2 Posidrive	#2 Posidrive	—
Service life at rated load	20,000 operations (below 32 A) 10,000 operations (32 A and higher)	20,000 operations (below 32 A) 10,000 operations (32 A and higher)	6,000 operations —
Ambient temperatures			
Minimum	-25 °C -13 °F	-25 °C -13 °F	-25 °C -13 °F
Maximum	+55 °C 131 °F	+55 °C 131 °F	60 °C 140 °F
Storage temperatures			
Minimum	-40 °C -40 °F	-40 °C -40 °F	-40 °C -40 °F
Maximum	70 °C 158 °F	70 °C 158 °F	70 °C 158 °F
Shock resistance	25 g minimum of 2 impacts, shock duration of 13 ms	25 g minimum of 2 impacts, shock duration of 13 ms	—
Vibration resistance	5 g, 20 cycles, 5 Hz, 150 Hz at 0.8 In	5 g, 20 cycles, 5 Hz, 150 Hz at 0.8 In	—

¹ 60 A/70 A have different dimensions.

² 80 A/90 A/100 A available as "R" only and have double stab adapters.



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