



ELECTRIFICATION – SMART BUILDINGS

ProLine

UL 67 panelboard for critical power applications

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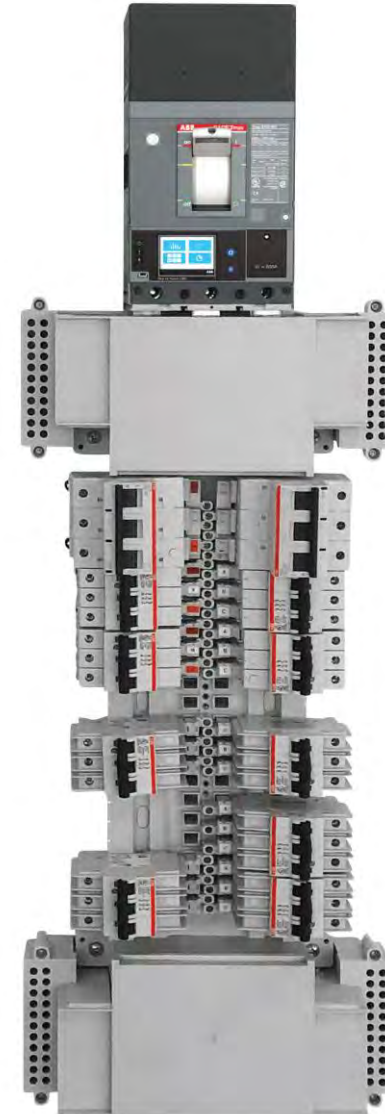


ProLine

Why

The number one cause of electrical fatalities is a direct contact with energized line.

We believe there is always a safer way to do things!



Proline

Overview



- Standard UL67 - 3 phases panel
- IP20
- Incomers: 225 A and 400 A
- Branch breakers: 1 A to 100 A
- Up to 240 V and 277/480Y V AC
 - Up to 35 kAIC series rating (240 V)
 - 14 kAIC series rating (277/480 V)
- Single- or double-ended incoming fully rated feed-through lugs
- Available configurations
 - 12 circuits
 - 24 circuits
 - 42 circuits
 - 84 circuits

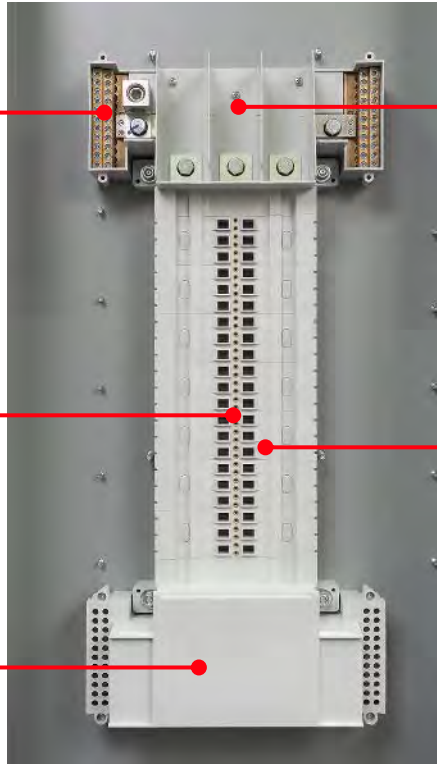
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Panelboard Touch Safe IP20

Touch safe
Neutral
(cover removed)

For example:
Double Ended, 42
circuit assembly

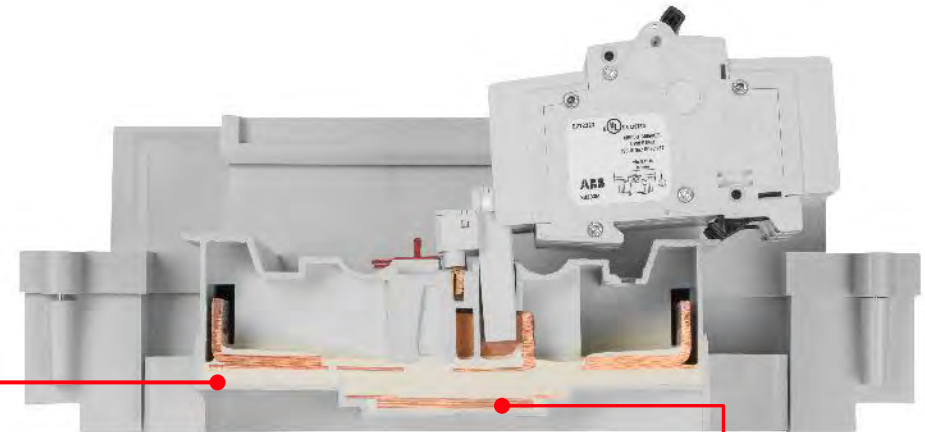
Touch safe
Neutral
(cover
attached)



Incoming: Studs,
Lugs or Main Breaker

Insulating
resin

IP20 Panel



Encased
busbar



IP20 Touch proof design

ProLine

The breakers

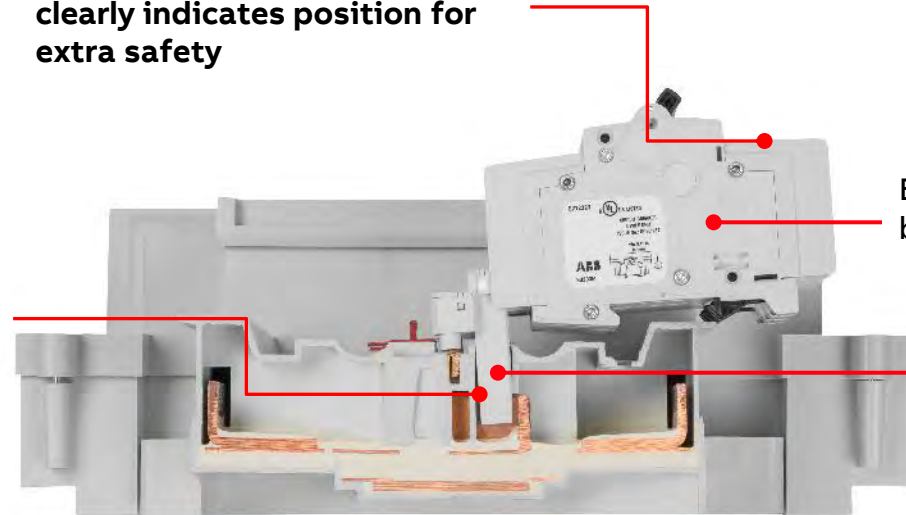
Not energized
mechanical bolt-
on connection



Electrical plug-in
connection

Mechanical
connection:
Non-energized
bolt

Contact-position indicator
with direct contact connection
clearly indicates position for
extra safety



Branch
breaker

Electrical
connection:
Plug-in bus
connection

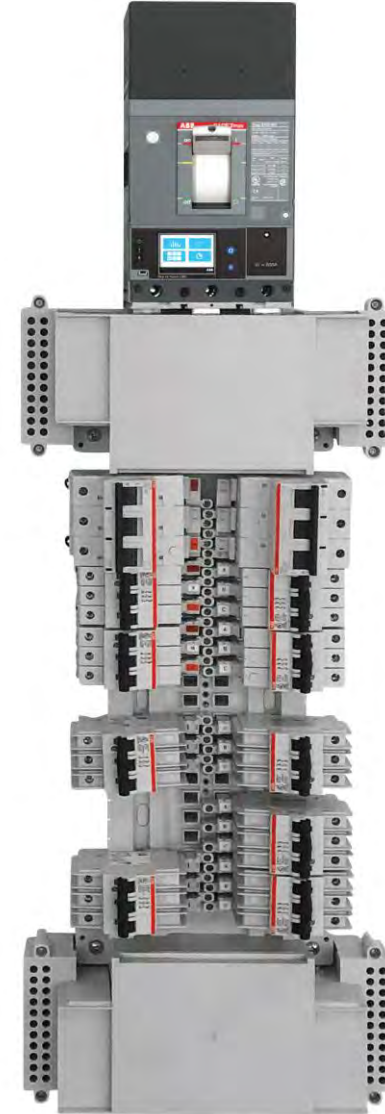
IP20 Touch proof design

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Applications:

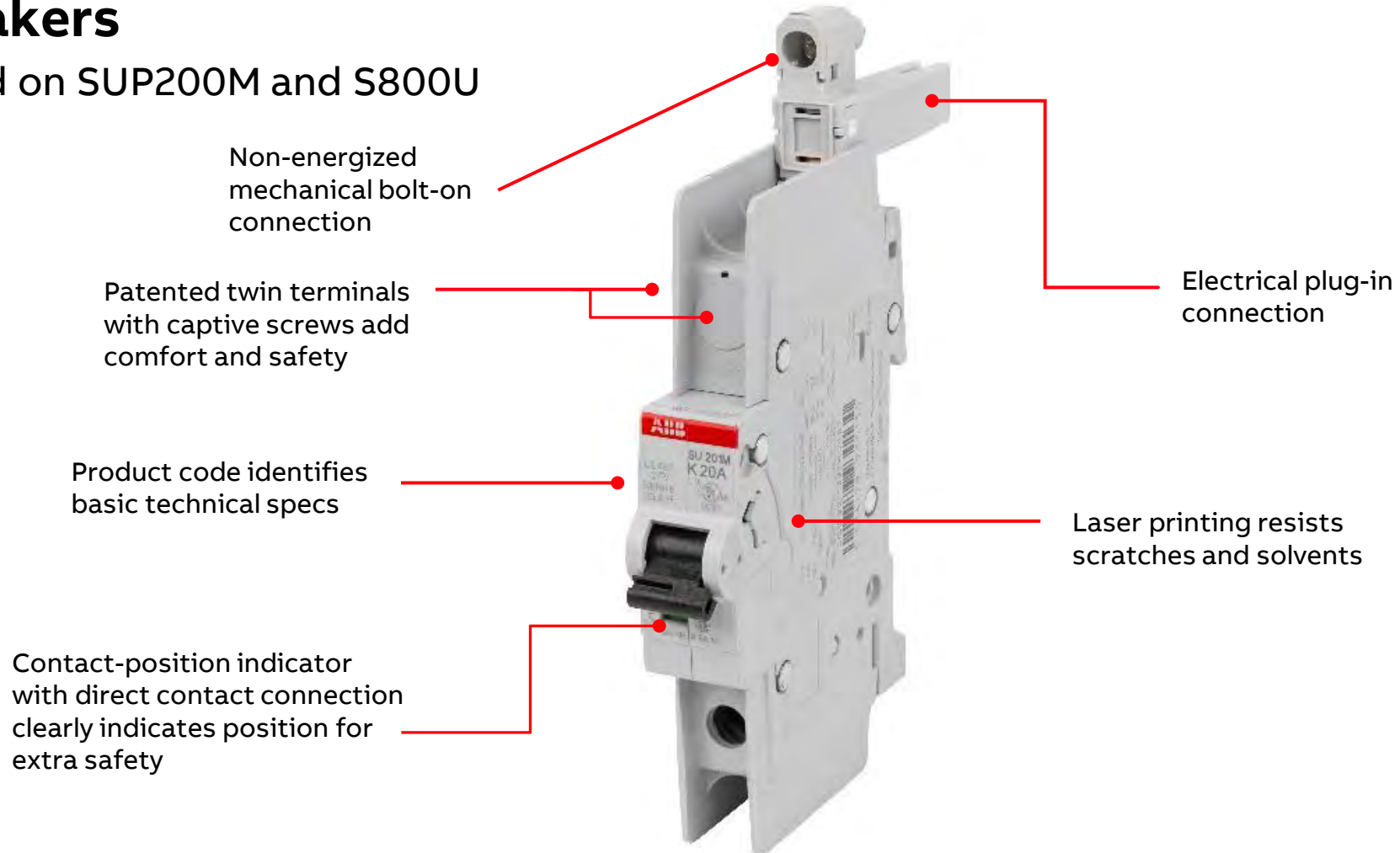
ProLine is a UL 67 panelboard for critical power applications:

- Data centers
- Hospitals
- Banks
- Schools, universities
- Government
- Airports
- Telecommunication
- Manufacturing facilities
- And more...



Branch breakers

PLU700M based on SUP200M and S800U

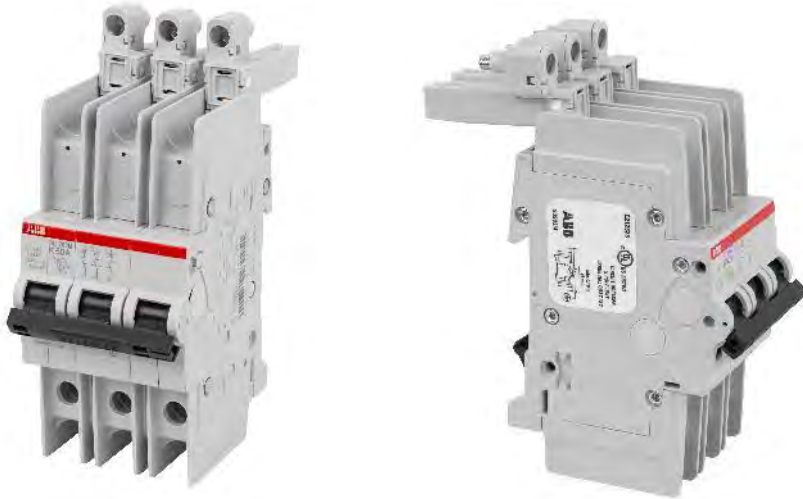


Current limiting branch breakers

PLU700M Branch breakers

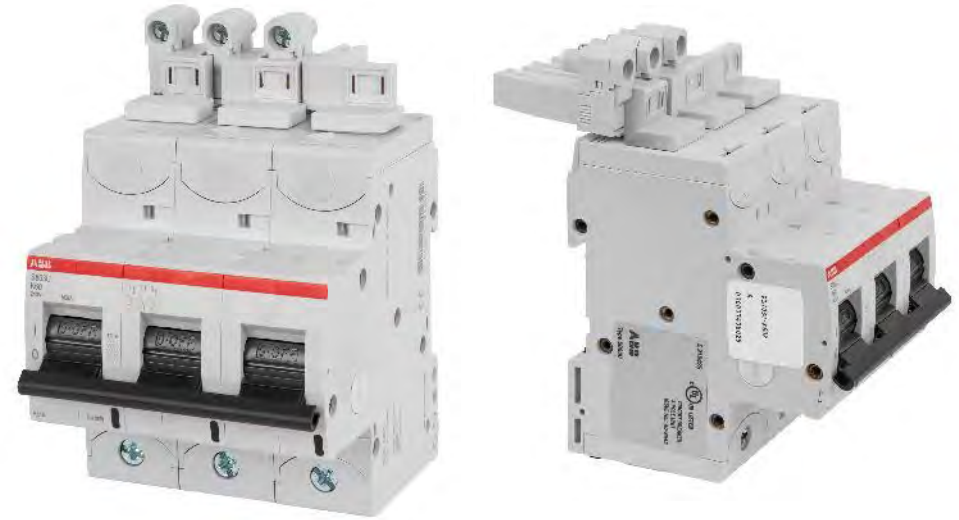
SUP200M and S800U with K trip curve

SUP200M



17.5 mm wide (1P)
1-35 A: 480Y/277 V AC; 14 kA
40-50 A: 240 V AC; 10 kA

S800U



26.5 mm wide (1P)
25-100 A, 240VAC
30 kA 1-pole, 50 kA multi-pole

Increased ratings

Series ratings with Tmax XT

Up to 35 kA @ 240 V AC
Up to 30 kA @ 480Y/277 V AC

Tmax XT - SUP200M Series Rating



Series rating of SUP200M MCBs with SACE® Tmax® XT MCCBs

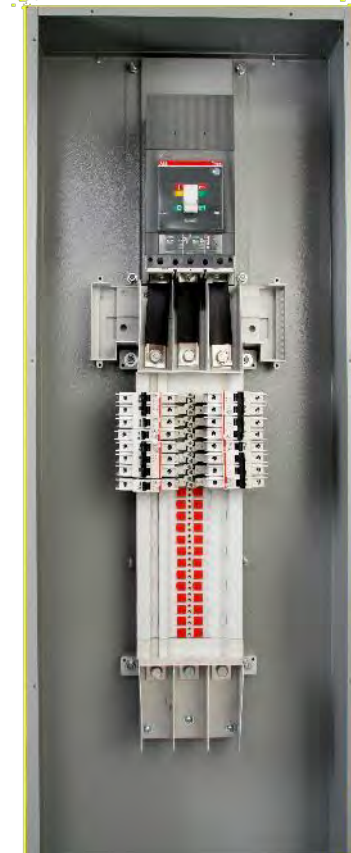
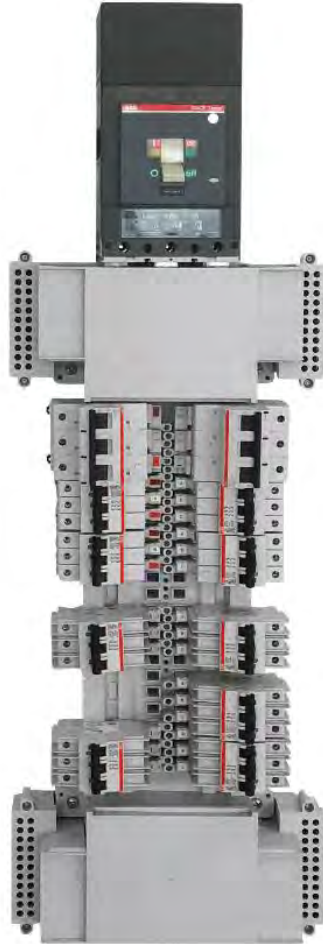
The SUP200M is the first line of current-limiting MCBs that has received UL approval for series ratings with Tmax® XT MCCBs. The SUP200M range of Miniature Circuit Breakers has a stand-alone interrupting rating of 14 kA @ 480Y/277 VAC up to 40 A, and a series rating of up to 35 kA in combination with Tmax® XT circuit breakers according to UL 489.

Acronyms	Series ratings								
	Main Breaker			Branch Breaker			Interrupting Rating		
	Type	Amps	Poles	Type, Trip Curve	Amps	Poles	Rms Sym. A	V ac	Phase
MCBs: Miniature Circuit Breakers	XT3	100-225	3,4	SUP201M-K...	1-20	1	35000	240	1
	XT3	100-225	3,4	SUP203M-K...	1-20	3	35000	240	3
MCCBs: Molded Case Circuit Breakers	XT3	100-225	3,4	SUP201M-K...	1-50	1	14000	240	1
	XT3	100-225	3,4	SUP203M-K...	1-50	3	25000	240	3
OEM: Original Equipment Manufacturer	XT3	100-225	3,4	SUP201M-K...	1-35	1	14000	277	1
	XT3	100-225	3,4	SUP203M-K...	1-35	3	14000	480Y/277	3
UL: Underwriters' laboratories	XT4	60-250	2,3,4	SUP201M-K...	1-20	1	35000	240	1
	XT4	60-250	3,4	SUP203M-K...	1-20	3	35000	240	3
	XT4	60-250	2,3,4	SUP201M-K...	1-50	1	14000	240	1
	XT4	25-250	2,3,4	SUP201M-K...	1-50	1	35000	240	1
	XT4	60-250	3,4	SUP203M-K...	1-50	3	25000	240	3
	XT4	25-250	3,4	SUP203M-K...	1-50	3	30000	240	3
	XT4	60-250	2,3,4	SUP201M-K...	1-35	1	14000	277	1
	XT4	60-250	3,4	SUP203M-K...	1-35	3	14000	480Y/277	3
	XT4	25-250	3,4	SUP203M-K...	1-35	3	30000	480Y/277	3#
	XT1	15-125	3,4	SUP203M-K...	1-50	3	30000	240	3
	XT2	15-125	3,4	SUP201M-K...	1-50	1	35000	240	1
	XT2	15-125	3,4	SUP203M-K...	1-50	3	30000	240	3
	XT5	300-600	3,4	SUP201M-K...	1-50	1	35000	240	1
	XT5	300-600	3,4	SUP203M-K...	1-50	3	30000	240	3



Panelboard types

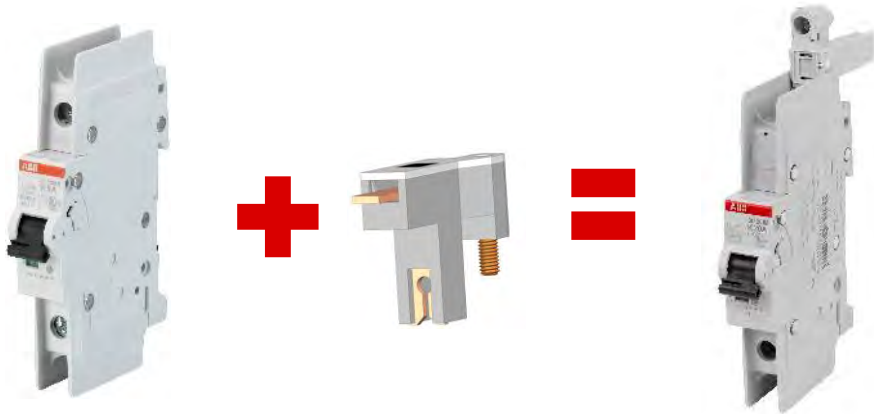
Open style (interior only) or enclosed (NEMA 1)



Supply chain

Unassembled components (assembly by customer) or assembled (assembled by ABB in the US)

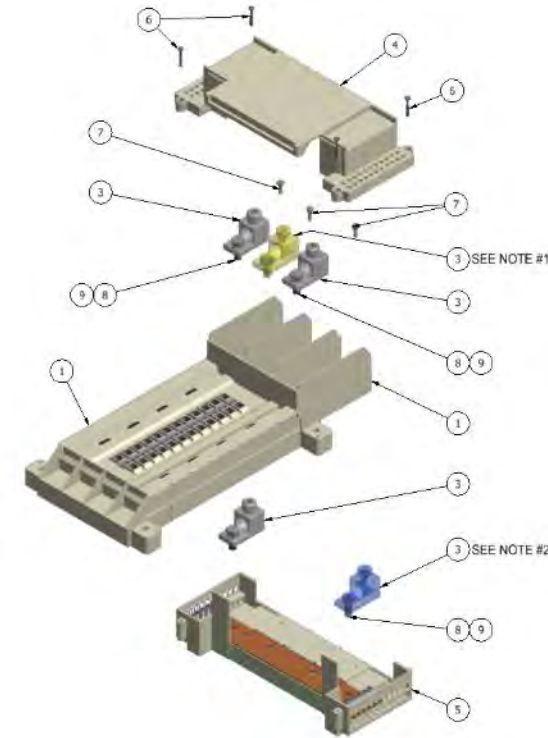
**Branch breakers:
base MCB + bus connector (stab adapter)**



SUP201M-K...
SUP202M-K...
SUP203M-K...
S801U-K...
S802U-K...
S803U-K...

PLU701M-K...
PLU702M-K...
PLU703M-K...
PLU701M-K...L/R*
PLU702M-K...L/R*
PLU703M-K...L/R*

**Panels:
chassis + neutral lug kit**



ProLine

Applications



Value proposition

Operational safety

- UL67 Panelboard
- IP20 Touch safe design
- Bolt on Branch Breakers with a separate mechanical and electrical connection
- Busbars encased in resin
- Current-limiting branch breakers

Reliable & Compact design

- High power density solutions (Back-to-back)
- Quicker response to faults while maximizing uptime
- Up to 35 kA series rating (MCCB and Branch breakers)
- Selective coordination (MCCB and Branch breakers)



Complete breakers coordination

Technical data

Summary

- Rated voltage (panelboard) 480Y/277 V AC
- Branch breakers up to 100 A
- Rated voltage (branch breakers) 480Y/277 V AC (up to 35 A), 240 V AC (40-100 A)
- 225 A and 400 A panelboard versions
- UL 67 certified
- IP 20 certified (touch safe)
- 42 and 84 circuit configurations (other types upon request)
- Single- and double-ended (feed-through) versions
- 100% or 200% neutral
- Series ratings with Tmax XT max. 35 kA (240 V AC) / 30 kA (480Y/277 V AC)

Marketing collaterals

- [U.S Electrification web page](#)
- [Catalog](#)
- [Brochure](#)
- [IP20 testing video](#)



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