

POWERED BY 3VA

SiPP Siemens Plug-in Circuit Breaker Panelboard

Siemens' Plug-in Circuit Breaker Panelboard or SiPP is a UL listed product up to 480V AC. SiPP is available with 800A Main Breaker or Main Lug only configurations with either 3VA61 (150A max.) or 3VA62 (250A max.) branch circuit breakers.

- Using 3VA plug-in base technology, these panels allow the installer to terminate load cables directly to the factory-installed base, translating directly to labor savings for the installer.
- The 3VA plug-in base enables quick maintenance and replacement of breakers when the need arises, reducing downtime for the user. This 3VA system makes these panels ideal for Healthcare and Critical Power applications.

usa.siemens.com/panelboards

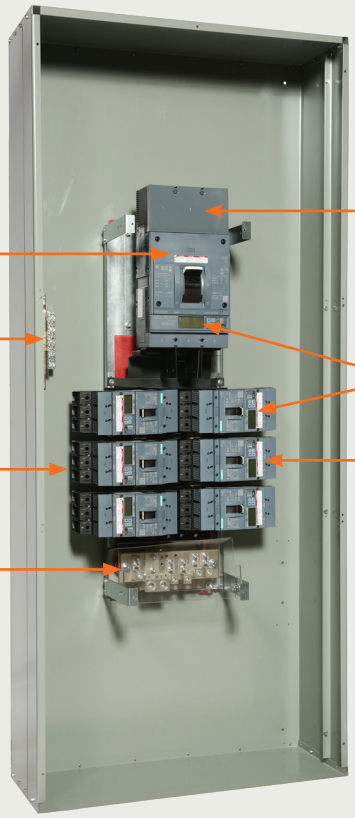


Features and benefits:

- UL listed 800A main lug or main breaker panel
- Indoor: NEMA 1
- 3VA plug-in base technology
- Voltage options: 480Y/277V, 208Y/120V
- 35KAIC or 65KAIC @ 480V
- Compatible with 3VA61 or 3VA62 breakers
- Hinge-To-Box front design
- Seismic rated
- Mix & Match 150A & 250A 3VA6 branch breakers
- Panel Branch Breaker options:
  - 6 branch breaker positions
  - 10 branch breaker positions

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Features



800A main –3VA65 breaker (shown) or main lug only (MLO)

Ground bar

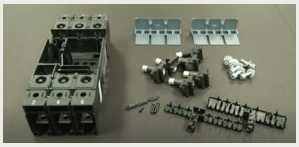
3VA Plug-in base accessory

Neutral lug assembly

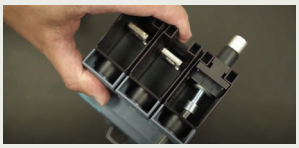
800A incoming
a) (3) 500kcmil per Φ & N
b) (2) 600kcmil per Φ & N
c) (3) 4/0-400kcmil per Φ & N

3VA6 electronic trip unit

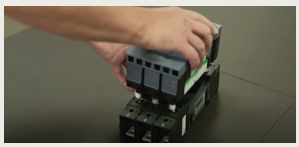
Branch breakers - mix & match ①
a) 3VA61 150A
b) 3VA62 250A



3VA Plug-in Base Unit



Installing the Tulip Connectors



Installing 3VA6 Breaker onto the base

Model Identification
Catalog Numbering System

P	P	C	7	4	W	O	8	0	T	4	J	P

Type of Panel
PP

Voltage & System
C = 208Y/120V 4W 3-phase
E = 480Y/277V 4W 3-phase

Enclosure Height
MLO = 66, 76
MB = 74, 84

Main Lug (ML), Main Breaker (MB)
ML = Main Lug Panel, max 65kAIC
WN = 35kAIC 3VA65 Main Breaker Panel
WO = 65kAIC 3VA65 Main Breaker Panel

Amperage
80 = 800A

Feed Location
T = Top, B = Bottom, X = MLO Panels②

Incoming Lugs (# of ports minimum)
4 = 4 port lug assembly per phase & neutral
3 = 3 port lug assembly per phase & neutral

Main Breaker Trip Unit③
JP = 3VA65 with ETU550 LSI
JT = 3VA65 with ETU556 LSI(G)
Blank = MLO Panel

① Branch breakers are field installable only.
② X indicates "Main Convertible" panel. MLO Panels ship as Bottom but are field convertible to Top feed.
③ Other 3VA65 Trip Unit selections are available, Contact Siemens.

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Main Bus Rating = 800A

Panel Type	Main Type②	Number of Branch Breaker Positions (3P)	Enclosure with interior 3P, 4Y 208Y/ 120V	Enclosure with interior 3P, 4Y 480Y/ 277V	Enclosure Dimensions W x D x H (inches)	Main Breaker Trip Unit	Main Breaker Interrupt Class	Feed Location①
PP	**Main Lug**	**6**	**PPC66ML80X4**	**PPE66ML80X4**	**32 x 11.5 x 66**	**-**	**-**	**Bottom**
PP	Main Breaker	6	PPC74WN80T3JP	PPE74WN80T3JP	32 x 11.5 x 74	ETU550	M	Top
PP	Main Breaker	6	PPC74WN80B3JP	PPE74WN80B3JP	32 x 11.5 x 74	ETU550	M	Bottom
PP	Main Breaker	6	PPC74WO80T3JP	PPE74WO80T3JP	32 x 11.5 x 74	ETU550	H	Top
PP	Main Breaker	6	PPC74WO80B3JP	PPE74WO80B3JP	32 x 11.5 x 74	ETU550	H	Bottom
PP	Main Breaker	6	PPC74WN80T3JT	PPE74WN80T3JT	32 x 11.5 x 74	ETU556	M	Top
PP	Main Breaker	6	PPC74WN80B3JT	PPE74WN80B3JT	32 x 11.5 x 74	ETU556	M	Bottom
PP	Main Breaker	6	PPC74WO80T3JT	PPE74WO80T3JT	32 x 11.5 x 74	ETU556	H	Top
PP	Main Breaker	6	PPC74WO80B3JT	PPE74WO80B3JT	32 x 11.5 x 74	ETU556	H	Bottom
PP	**Main Lug**	**10**	**PPC76ML80X4**	**PPE76ML80X4**	**32 x 11.5 x 76**	**-**	**-**	**Bottom**
PP	Main Breaker	10	PPC84WN80T3JP	PPE84WN80T3JP	32 x 11.5 x 84	ETU550	M	Top
PP	Main Breaker	10	PPC84WN80B3JP	PPE84WN80B3JP	32 x 11.5 x 84	ETU550	M	Bottom
PP	Main Breaker	10	PPC84WO80T3JP	PPE84WO80T3JP	32 x 11.5 x 84	ETU550	H	Top
PP	Main Breaker	10	PPC84WO80B3JP	PPE84WO80B3JP	32 x 11.5 x 84	ETU550	H	Bottom
PP	Main Breaker	10	PPC84WN80T3JT	PPE84WN80T3JT	32 x 11.5 x 84	ETU556	M	Top
PP	Main Breaker	10	PPC84WN80B3JT	PPE84WN80B3JT	32 x 11.5 x 84	ETU556	M	Bottom
PP	Main Breaker	10	PPC84WO80T3JT	PPE84WO80T3JT	32 x 11.5 x 84	ETU556	H	Top
PP	Main Breaker	10	PPC84WO80B3JT	PPE84WO80B3JT	32 x 11.5 x 84	ETU556	H	Bottom

① MLO panel ship as Bottom but are field convertible to Top feed.

② Main Breaker Panels with ETU556 include neutral current transformer part #3VA9677-0NA10.

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Main and Branch Selections

Main Lug Only

800A Main Lug Only (MLO)

Wire Range	Catalog Number	Description
(4) 1/0 -750 kcmil	CMC-4ABV-750	(4) Barrel AL body CMC Lug

Main Breaker

3VA65 800A, 3-pole Frame, Electronic Trip Unit

Continuous Ampere	M-Interrupting Class (MMAE) Catalog Number	H-Interrupting Class (HMAE) Catalog Number
800	3VA6580-5JP32-0AA0 w/ETU550 LSI	3VA6580-6JP32-0AA0 w/ETU550 LSI
800	3VA6580-5JT32-0AA0 w/ETU556 LSI(G)	3VA6580-6JQ32-0AA0 w/ETU556 LSI(G)

800A Main Breaker 3VA65② Lug Options

Wire Range	Catalog Number	Description
(3) 500-750kcmil	3VA9673-0JJ34③	Aluminum body lug, 3 cables (Cu/Al cable) with 1 extended terminal cover
(4) 4/0 600 kcmil	3VA9673-0JJ44④	Aluminum body lug, 4 cables (Cu/Al cable) with 1 extended terminal cover

Branch Breaker Lugs for 3VA61/62

Wire Range	Catalog Number	Description
(1) AWG 6 - 350kcmil	3VA9243-0JB12④	Aluminum Body Lug (Cu/Al cable)
(1) AWG 6 - 350kcmil	3VA9243-0JD12	Copper body lug (Cu cable only) single cable lugs kit of 3 single lugs

Standard Ground Bar - Lug connectors

Number of Branches	Max cable size
6	4 x 350kcmil connectors
	8 x 1/0 connectors
10	4 x 350kcmil connectors
	12 x 1/0 connectors
Ground Bus - Silver Plated Copper	



External current transformer as straight-through transformer. Connection of an external current transformer for the N conductor for 3-pole 3VA6 molded case circuit breakers for 5-series and 8-series ETUs (ETU850, ETU856, ETU860), including connecting cable

In = 25---150A	3VA9077-0NA10
In = 160---350A	3VA9177-0NA10
In = 400---630A	3VA9377-0NA10
In = 600---1000A	3VA9677-0NA10

① Main Breaker Panels with ETU556 include neutral current transformer part #3VA9677-0NA10.
② Standard Neutral lugs match main device size and quantity.
③ Standard Lug for 800A MB panels.
④ Other lug options available as field installable only, reference SpeedFax MCCB section.

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Branch Breaker Selections - 3VA61 & 3VA62①



3VA61 150A Frame 3-Pole Electronic Trip Unit

Continuous Ampere	M-Interrupting Class (MDAE) Catalog Number	H-Interrupting Class (HDAE) Catalog Number
ETU320 LI with dials		
40	3VA6140-5HL31-0AA0	3VA6140-6HL31-0AA0
100	3VA6110-5HL31-0AA0	3VA6110-6HL31-0AA0
150	3VA6115-5HL31-0AA0	3VA6115-6HL31-0AA0
ETU330 LIG with dials		
40	3VA6140-5HM31-0AA0	3VA6140-6HM31-0AA0
100	3VA6110-5HM31-0AA0	3VA6110-6HM31-0AA0
150	3VA6115-5HM31-0AA0	3VA6115-6HM31-0AA0
ETU350 LSI with dials		
40	3VA6140-5HN31-0AA0	3VA6140-6HN31-0AA0
100	3VA6110-5HN31-0AA0	3VA6110-6HN31-0AA0
150	3VA6115-5HN31-0AA0	3VA6115-6HN31-0AA0
ETU550 LSI with LCD		
40	3VA6140-5JP31-0AA0	3VA6140-6JP31-0AA0
100	3VA6110-5JP31-0AA0	3VA6110-6JP31-0AA0
150	3VA6115-5JP31-0AA0	3VA6115-6JP31-0AA0
ETU556 LSI(G Alarm) with LCD		
40	3VA6140-5JT31-0AA0	3VA6140-6JT31-0AA0
100	3VA6110-5JT31-0AA0	3VA6110-6JT31-0AA0
150	3VA6115-5JT31-0AA0	3VA6115-6JT31-0AA0
ETU560 LSIG with LCD		
40	3VA6140-5JQ31-0AA0	3VA6140-6JQ31-0AA0
100	3VA6110-5JQ31-0AA0	3VA6110-6JQ31-0AA0
150	3VA6115-5JQ31-0AA0	3VA6115-6JQ31-0AA0

3VA62 250A Frame 3-Pole Electronic Trip Unit

Continuous Ampere	M-Interrupting Class (MFAE) Catalog Number	H-Interrupting Class (HFAE) Catalog Number
ETU320 LI with dials		
100	3VA6210-5HL31-0AA0	3VA6210-6HL31-0AA0
250	3VA6225-5HL31-0AA0	3VA6225-6HL31-0AA0
ETU330 LIG with dials		
100	3VA6210-5HM31-0AA0	3VA6210-6HM31-0AA0
250	3VA6225-5HM31-0AA0	3VA6225-6HM31-0AA0
ETU350 LSI with dials		
100	3VA6210-5HN31-0AA0	3VA6210-6HN31-0AA0
250	3VA6225-5HN31-0AA0	3VA6225-6HN31-0AA0
ETU550 LSI with LCD		
100	3VA6210-5JP31-0AA0	3VA6210-6JP31-0AA0
250	3VA6225-5JP31-0AA0	3VA6225-6JP31-0AA0
ETU556 LSI(G Alarm) with LCD		
100	3VA6210-5JT31-0AA0	3VA6210-6JT31-0AA0
250	3VA6225-5JT31-0AA0	3VA6225-6JT31-0AA0
ETU560 LSIG with LCD		
100	3VA6210-5JQ31-0AA0	3VA6210-6JQ31-0AA0
250	3VA6225-5JQ31-0AA0	3VA6225-6JQ31-0AA0

① Branch breakers and internal breaker accessories sold separately and are field installable only.

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Notes

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Notes

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Legal Manufacturer

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