

SIEMENS

CONVERSION GUIDE

Siemens Legacy MCCB to 3VA

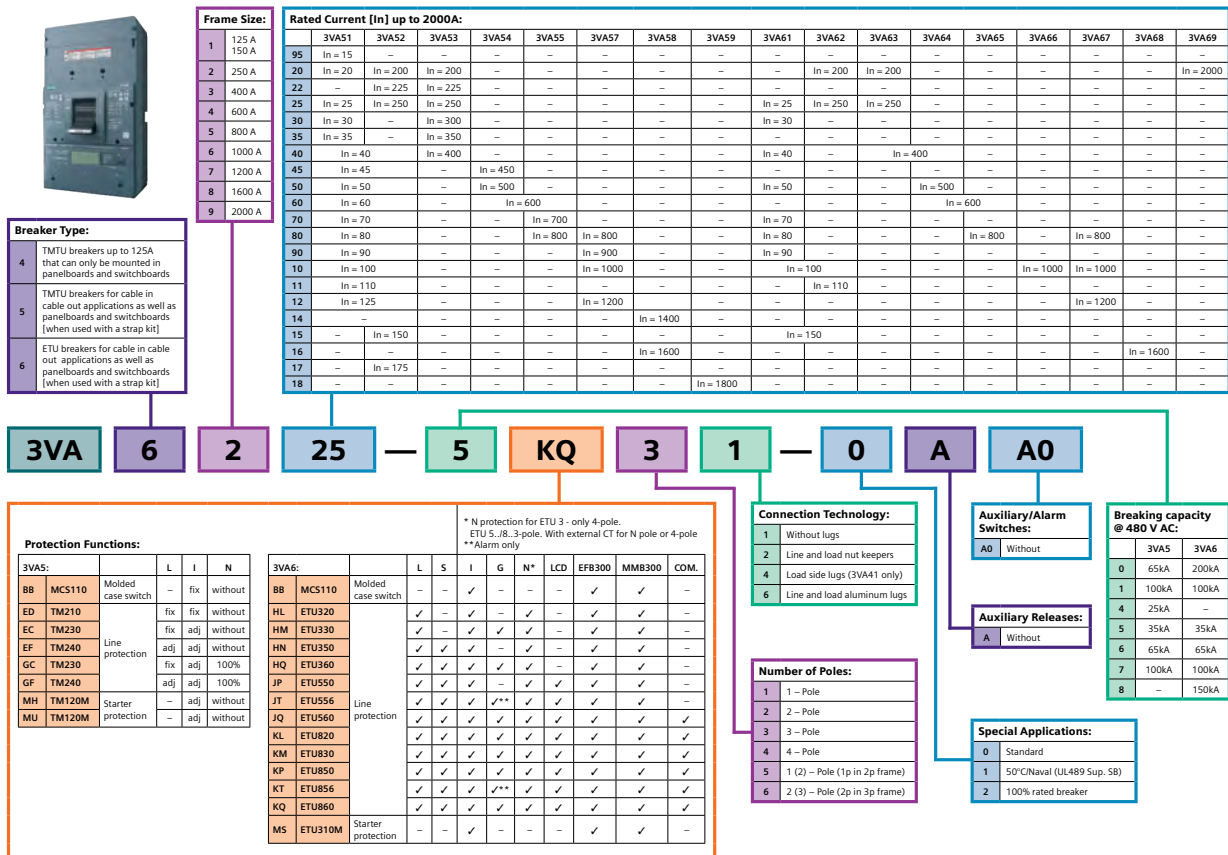
usa.siemens.com/3VA



Index

Introduction	2
Sentron vs 3VA	3
ED vs 3VA41/3VA51	3
FD vs 3VA52	10
JD/SJD vs 3VA53/63	18
LD vs 3VA54/64	26
SLD vs 3VA64	33
LMD vs 3VA55	41
MD/SMD vs 3VA55/65	49
ND/SND vs 3VA57/67	58
PD/SPD vs 3VA58/68	68
RD vs 3VA59	74
VL vs 3VA	80
DG/FG vs 3VA52	80
DG vs 3VA61	88
FG vs 3VA62	96
JG vs 3VA53	104
JG vs 3VA63	112
LG vs 3VA54	120
LG vs 3VA64	128
MG vs 3VA55	136
MG vs 3VA65	144
NG vs 3VA57	152
NG vs 3VA67	158
PG vs 3VA58	164
PG vs 3VA68	164

Catalog Number Logic



TMTU = Thermal Magnetic Trip Unit
ETU = Electronic Trip Unit
In = Rated Current

Introduction

Conversion Guide Information:

This conversion guide was created to aid the user in selecting the correct breaker and accessories needed to upgrade from a legacy Sentron or VL breaker to the new 3VA line of breakers.

The guide is organized by family and then by frame size. For each frame size you will find dimensions for the legacy and the 3VA breaker, interrupter ratings, available trip units, strap kits, enclosures, and lug options. This reference tool will allow the user to quickly identify their current breaker with accessories and match it to the potential upgrade to a 3VA breaker.

For smaller or internal accessories (e.g. shunt trips, handle operators, etc.) and additional information on the 3VA family please refer to our Speedfax section 7.

Disclaimer:

While this guide provides options for upgrading legacy breakers, not all options may be listed and any option that is listed is merely a suggested replacement. Any change to a system must be reviewed by the Engineer of Record for the site and must comply with national and local jurisdiction electrical codes. This guide is to be used only as a reference tool to find a suitable replacement; it is not guaranteeing that any upgrade listed below will meet requirements for a specific system.

Sentron vs 3VA

ED vs 3VA41/51

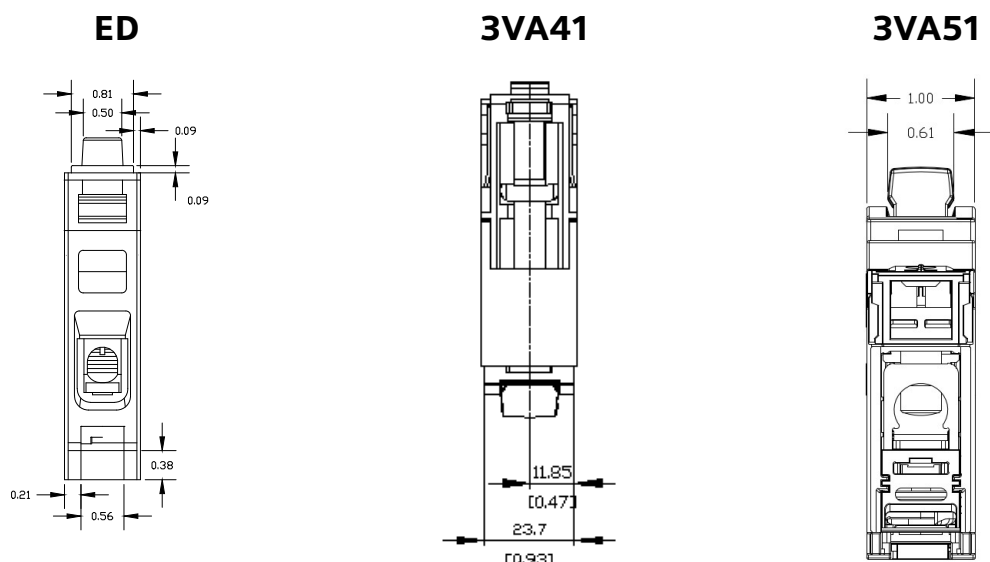
ED 15-125 A
3VA41/51 15-125 A



NOTE:

- 3VA41 uses a low tab connection whereas ED and 3VA51 uses a CICO connection.
- Width is 1 in. per pole. For 2 pole or more poles only width is expanded by 1 in for each pole.

Mounting Dimensions



Dimensions

Breaker	W in.	H in.	D in.
ED	1	6.35	3.92
3VA41/51	1/1	5.1/5.5	3.6/3

Mounting Screws

ED	3VA41/51
MSE6	3VA9151-0SS10

Replacement Strap Kits

	ED	3VA41*
Panelboard P1	MBKED1A – RP1 1PH Main/Subfeed kit FD – 125A max	MBKVA41A – RP1 1PH Main/Subfeed kit
Panelboard P1	MBKED3A – RP1 3PH Main/Subfeed kit FD – 125A max	MBKVA41B – RP1 3PH Main/Subfeed kit
Panelboard P2/3	BBKED32 – Twin Mount Branch Strap Kit	BBKVA4P2P3 – Twin Mount Branch Strap Kit
Panelboard P5	SE6D – Twin mount (3.75 in)	S3VA41TD – Twin mount (3.75 in)
Switchboard	6E62 – Twin mount (3.75 in)	S3VA41TD – Twin mount (5 in)

Strap Kits only available for 3VA41

Enclosures

	ED	3VA41/51
1 surface	E2N1S	3VAE125N1S
1 flush	E2N1F	3VAE125N1F
3R	E2N3R	3VAE125N3R
12	CED6N12	3VAE125N12
4X	ED6SS4	3VAE125N4X (304) 3VAE125N4X316 (316)
Neutral	N250	N125X
200% Neutral	N2250	N2125X
7-9	EA/EB	N/A

Lugs

			ED
Copper	#10-1/0	100 A	LN1E100
Aluminum	#1-2/0	110-125 A	TA1E6125
Copper	Compression 2/0	125 A	CCE125

			3VA41/51
Aluminum	AWG 14 - 1/0	125 A	3VA9133-0JB10
Aluminum	AWG 8 - 3/0	125 A	3VA9133-0JB11
Aluminum w/ control wire	AWG 14 - 1/0	125 A	3VA9133-0JG10
Aluminum w/ control wire	AWG 8 - 3/0	125 A	3VA9133-0JG11
Copper	AWG 14 - 1/0	125 A	3VA9133-0JD10
Copper	AWG 8 - 2/0	125 A	3VA9133-0JD11
Copper w/ control wire	AWG 14 - 1/0	125 A	3VA9133-0JK10
Copper w/ control wire	AWG 8 - 2/0	125 A	3VA9133-0JK11

Amperage Ratings

	Amps														
ED	15	20	25	30	35	40	45	50	60	70	80	90	100	110	125
3VA41/51	15	20	25	30	35	40	45	50	60	70	80	90	100	110	125

Interrupting Ratings

ED

Breaker Type	UL 489 AIR (File E10848)										IEC 947-2					
	RMS Symmetrical Amperes (kA)															
	Volts AC (50/60 Hz)					Volts DC					Volts AC (50/60 Hz)					
	120	240	277	347	480	600	125	250	500	600	220/240		380/415		500	
											Icu	Ics	Icu	Ics	Icu	Ics
ED2 (1-P)	10	–	–	–	–	–	5	–	–	–	–	–	–	–	–	–
ED2 (2,3-P)	–	10	–	–	–	–	–	5 (2-P)	–	–	–	–	–	–	–	–
ED4 (1-P)	65	–	22	–	–	–	30	–	–	–	–	–	–	–	–	–
ED4 (2,3-P)	–	65	–	–	18	–	–	30 (2-P)	–	–	–	–	–	–	–	–
ED6 (1-P)	–	–	–	30	–	–	–	30	–	–	–	–	–	–	–	–
ED6 (2,3-P)	–	65	–	–	25	18	–	–	18 (3-P)	–	65	17	35	9	18	5
ED6 (3-P)	–	–	–	–	–	–	–	–	–	10	–	–	–	–	–	–
HED4 (1-P)	100	–	65	–	–	30	–	–	–	–	–	–	–	–	–	–
(15-30A)																
HED4 (1-P)	100	–	25	–	–	30	–	–	–	–	–	–	–	–	–	–
(35-100A)																
HED4 (2,3-P)	–	100	–	–	42	–	–	30 (2-P)	–	–	–	–	–	–	–	–
HHED6 (2,3P)	–	100	–	–	65	18	–	–	–	–	–	–	–	–	–	–
CED6 (2,3-P)	–	200	–	–	200	100	–	50 (2-P)	30 (3-P)	–	–	–	–	–	–	–

3VA41

Interrupting Class	Breaker Type	Poles	RMS Symmetrical Amperes (kA)									
			Volts AC (50/60 Hz)						Volts DC			
			120	240	277	347	480Y/277V	480	600Y/347V	125	250	
S	SEAB	1	65	–	25	14	–	–	–	14	–	–
		2,3	–	65	–	–	25	25	14	–	50	–
M	MEAB	1	85	–	35	18	–	–	–	25	–	–
		2,3	–	85	–	–	35	35	18	–	85	–
H	HEAB	1	150	–	65	25	–	–	–	30	–	–
		2,3	–	150	–	–	65	65	25	–	100	–

3VA51

Interrupting Class	Breaker Type	Poles	RMS Symmetrical Amperes (kA)										
			Volts AC (50/60 Hz)						Volts DC				
			120	240	277	347	480Y/277V	480	600Y/347V	125	250	500	600
S	SEAS	1	65	–	25	14	–	–	–	14	–	–	–
		2,3,4	–	65	–	–	25	25	14	14	50	50	50
M	MEAS	1	85	–	35	18	–	–	–	25	–	–	–
		2,3,4	–	85	–	–	35	35	18	25	85	85	85
H	HEAS	1	150	–	50	18	–	–	–	30	–	–	–
	HEAS	1 in 2	150	–	65	25	–	–	–	30	–	–	–
	HEAS	2,3,4	–	150	–	–	65	65	25	30	100	100	100

NOTE:

- For Internal and External accessory details, please see Speed Fax chapter 7.
- Check out the new Universal Release Bracket accessory – undervoltage and shunt trip available in 12 V DC to 48 V DC (3VA Internal Accessories section).
- Series Ratings, please see Speed Fax chapter 7 (General Technical: Series Short Circuit Ratings section).
- When replacing a breaker, remember to ensure that the new breaker remains selective with any existing upstream or downstream breaker. The trip curves for Siemens breakers can be found on the SIOS website or compared with our EasyTCC.

Sentron vs 3VA

FD vs 3VA52/62

FD 70-250 A

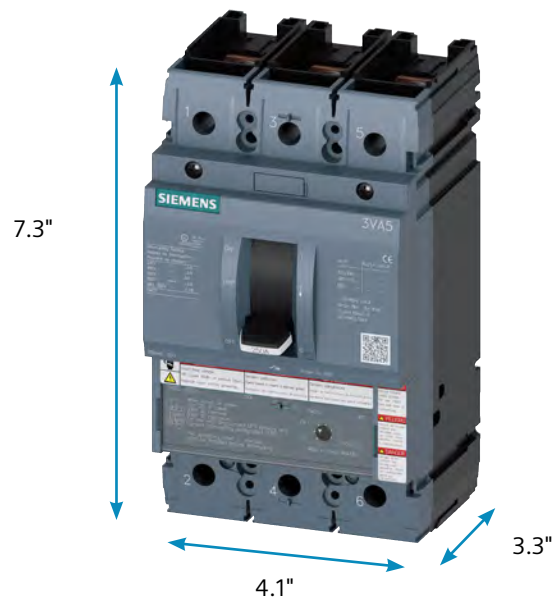
3VA52 15-250 A

3VA62 100-250 A

FD

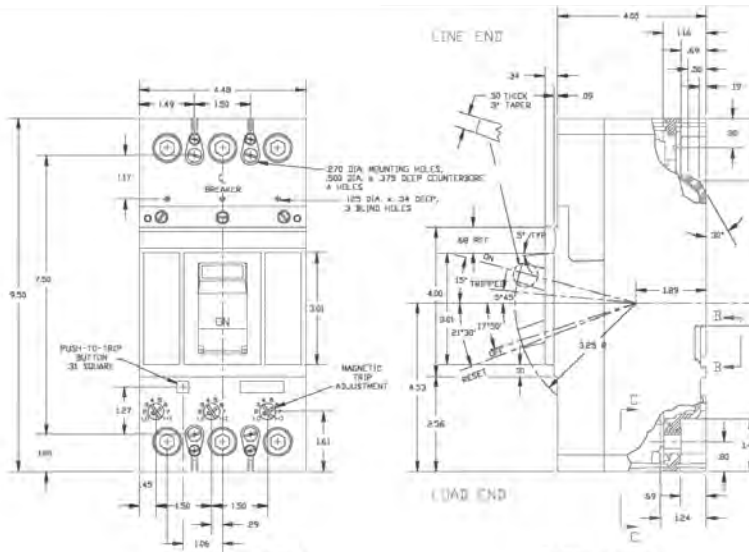


3VA52/62



Dimensional Drawings

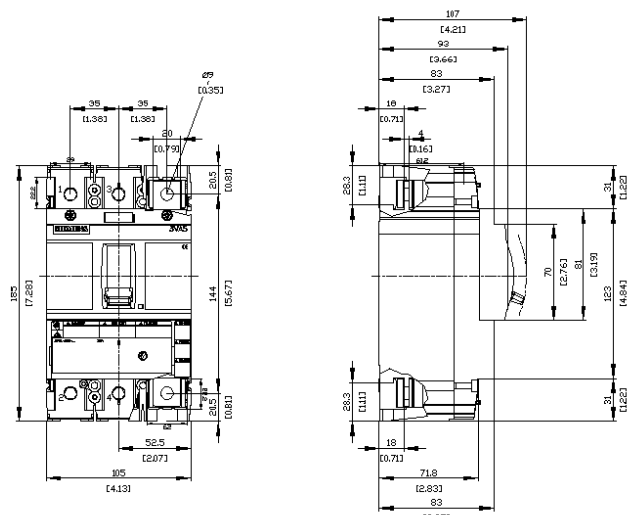
FD



Front View

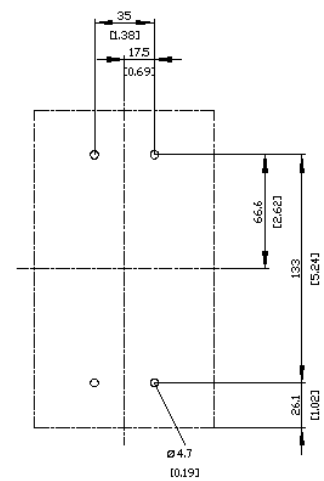
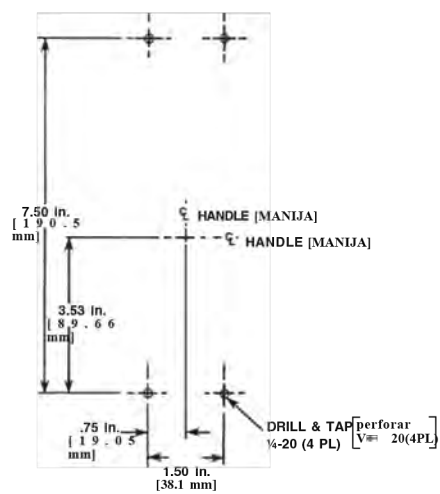
Side View

3VA52/62



Front View

Side View



Mounting Drawings

Mounting Dimensions

Dimensions

Breaker	W in.	H in.	D in.
FD	4.5	9.5	4
3VA52/62	4.1	7.3	3.3

Mounting Screws

FD	3VA52/62
MSF6	3VA9164-0SS00 fixed mounting 3-4 pole

Replacement Strap Kits

	FD	3VA52/62
Panelboard P1	MBKFD1A – RP1 1PH Main/Subfeed kit FD - 250A max	MBKVA5262A – RP1 1PH Main/Subfeed kit 3VA52/61/62 – 250A max
Panelboard P1	MBKFD3A – RP1 3PH Main/Subfeed kit FD - 250A max	MBKVA5262B – RP1 3PH Main/Subfeed kit 3VA52/61/62 – 250A max
Panelboard P2/3	–	BBKVA5262P2S – Single Mount Branch Strap Kit – P2/P3 250A max
Panelboard P2/3	–	BBKVA5262P2HW – Horizontal or Vertical Single mount Hardware Kit – P2/P3
Panelboard P5	SF6D – Twin mount (5 in)	S3VA52TD – Twin mount (5 in)
Switchboard	6F62 – Twin mount (5 in)	S3VA52TD – Twin mount (5 in)

Enclosures

	FD	3VA52/62
1 surface	F6N1S	3VAE250N1S
1 flush	F6N1F	3VAE250N1F
3R	F6N3R	3VAE250N3R
12	F6N12	3VAE250N12
4X	FD6SS4	3VAE250N4X (304) 3VAE250N4X316 (316)
Neutral	N250	N250X
200% Neutral	N2250	N2250X
7-9	EC2	N/A

Lugs

			FD
Copper	#6 350 kcmil (kit of three)	250 A	3TC1FD350
Aluminum	#4 350 kcmil (kit of three)	250A	3TA1FD350A
Copper	Compression 350 kcmil (kit of three)	250A	3CCF250

			3VA52/62
Box Terminal	AWG 10 - 3/0 (kit of three)	250 A	3VA9233-OJA11
Box Terminal	AWG 4 - 350 kcmil (kit of three)	250 A	3VA9233-OJA12
Aluminum	AWG 14 - 1/0 (kit of three)	250 A	3VA9233-OJB11
Aluminum	AWG 6 - 350 kcmil (kit of three)	250 A	3VA9233-OJB12
Aluminum w/ control wire	AWG 14 - 1/0 (kit of three)	250 A	3VA9233-OJG11
Aluminum w/ control wire	AWG 6 - 350 kcmil (kit of three)	250 A	3VA9233-OJG12
Copper	AWG 14 - 1/0 (kit of three)	250 A	3VA9233-OJD11
Copper	AWG 6 - 350 kcmil (kit of three)	250 A	3VA9233-OJD12
Copper w/ control wire	AWG 14 - 1/0 (kit of three)	250 A	3VA9233-OJK11
Copper w/ control wire	AWG 6 - 350 kcmil (kit of three)	250 A	3VA9233-OJK12

Amperage Ratings

Amps																				
FD	–	–	–	–	–	–	–	–	–	70	80	90	100	110	125	150	175	200	225	250
3VA52	15	20	25	30	35	40	45	50	60	70	80	90	100	110	125	150	175	200	225	250
3VA62	–	–	–	–	–	–	–	–	–	–	–	–	100	–	–	–	–	–	–	250

Interrupting Ratings

FD

Breaker Type	UL 489 AIR (File E10848)					IEC 947-2					
	RMS Symmetrical Amperes (kA)										
	Volts AC (50/60 Hz)			Volts DC		Volts AC (50/60 Hz)					
	240	480	600	250	500	220/240		380/415		500	
						Icu	Ics	Icu	Ics	Icu	Ics
FXD6-A, FD6-A	65	35	22	30 (2-P)	18 (3-P)	65	33	35	18	–	–
HFXD6, HFD6	100	65	25	30 (2-P)	25 (3-P)	100	50	65	33	–	–
HHFXD6, HHFD6	200	100	25	–	–	–	–	–	–	–	–
CFD6	200	200	100	30 (2-P)	50 (3-P)	–	–	–	–	–	–

3VA52

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)							
		Volts AC (50/60 Hz)					Volts DC		
		240	480Y/277V	480	600Y/347V	600	250	500	600 (3P)
M	MFAS	85	35	35	18	18	50	50	50
H	HFAS	100	65	65	25	25	85	85	85
C	CFAS	200	100	100	35	35	100	100	100

3VA62

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)				
		Volts AC (50/60 Hz)				
		240	480Y/277V	480	600Y/347V	600
M	MFAE	100	35	35	18	18
H	HFAE	100	65	65	22	22
C	CFAE	200	100	100	35	35
L	LFAE	200	150	150	50	50
E	EFAE	–	200	200	100	100

NOTE:

- For Internal and External accessory details, please see Speed Fax chapter 7.
- Check out the new Universal Release Bracket accessory – undervoltage and shunt trip available in 12 V DC to 48 V DC (3VA Internal Accessories section).
- Series Ratings, please see Speed Fax chapter 7 (General Technical: Series Short Circuit Ratings section).
- When replacing a breaker, remember to ensure that the new breaker remain selective with any existing upstream or downstream breaker. The trip curves for Siemens breakers can be found on the SIOS website or compared with our EasyTCC.

Sentron vs 3VA

JD/SJD vs 3VA53/63

JD 200-400 A

SJD 200-400 A

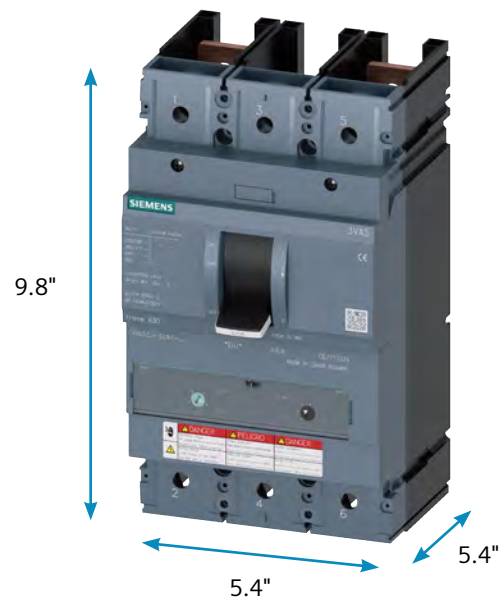
3VA53 200-400 A

3VA63 250-400 A

JD/SJD

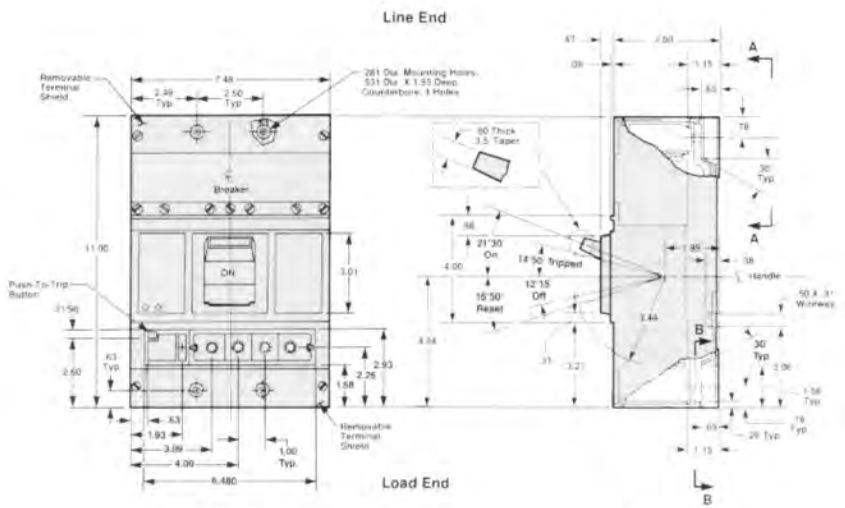


3VA53/63



Dimensional Drawings

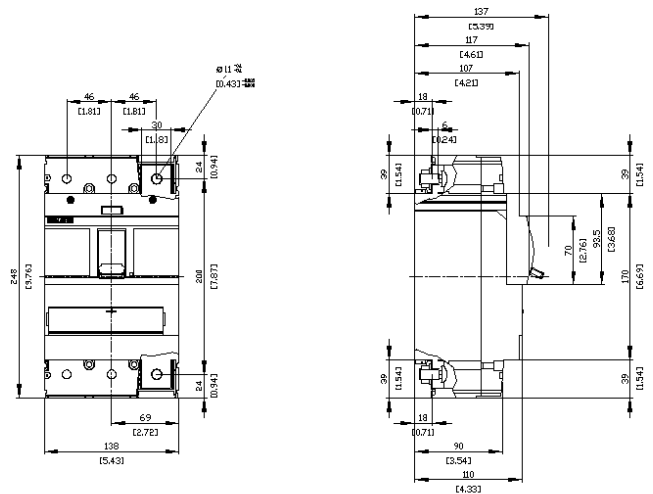
JD/SJD



Front View

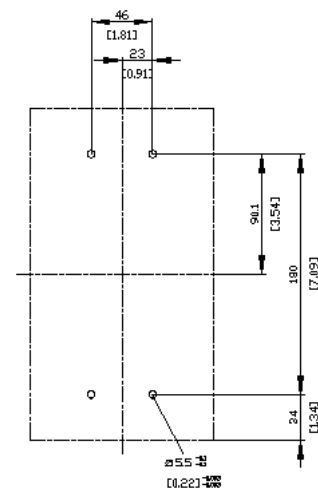
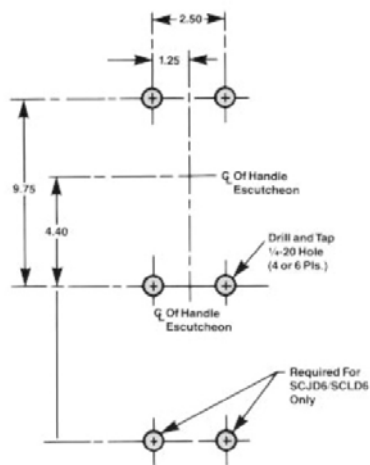
Side View

3VA53/63



Front View

Side View



Mounting Drawings

Mounting Dimensions

Dimensions

Breaker	W in.	H in.	D in.
JD/SJD	7.5	11.0	4.0
3VA53/63	5.4	9.8	5.4

Mounting Screws

JD/SJD	3VA53/63
MSJ6	3VA9328-0SS10

Replacement Strap Kits

	FD	3VA52/62
Panelboard P1	MBKJD3B – RP1 400A JD Strap kit 1 ph/3ph-2-fillers	RP1 400A JD to 3VA53/63 Retrofit kit 1ph/3ph
Panelboard P2/3	–	–
Panelboard P5	SJ1D – Single mount (8.75 in)	S3VA53TD – Single mount (6.25 in)
Switchboard	6JJ61 – Single mount (8.75 in)	S3VA53TD – Single mount (6.25 in)

Enclosures

	JD/SJD	3VA53/63
1 surface	J6N1S	3VAE6001S
1 flush	J6N1F	3VAE6001F
3R	J6N3R	3VAE6003R
12	J6N12	3VAE60012
4X	LD6SS4	3VAE6004X (304) 3VAE6004X316 (316)
Neutral	W60992	HN656ACB
200% Neutral	N/A	HN678ACB
7-9	EC4, EE	N/A

Lugs

			JD/JSD				3VA53/63
Copper	3/0 500 kcmil 2-hole (kit of three)	400 A	3TA2J6500	Box Terminal	1/0 500 kcmil (kit of three)	600 A	3VA9473-0JA13
Aluminum	3/0 500 kcmil 2-hole (kit of three)	600 A	3TA1L6750	Aluminum	2/0 600 kcmil (kit of three)	600 A	3VA9373-0JB13
				Aluminum w/ control wire	2/0 600 kcmil (kit of three)	600 A	3VA9373-0JG13
Copper/	Compression 500 kcmil	600 A	3CCL600	Copper	2/0 600 kcmil (kit of three)	600 A	3VA9373-0JD13
Aluminum	(kit of three)			Copper w/ control wire	2/0 600 kcmil (kit of three)	600 A	3VA9373-0JK13

MD

Breaker Type	UL 489 AIR (File E10848)					IEC 947-2					
	RMS Symmetrical Amperes (kA)										
	Volts AC			Volts DC		Volts AC (50/60 Hz)					
	240	480	600	250	500	220/240		380/415		500	
						Icu	Ics	Icu	Ics	Icu	Ics
MD6, MXD6	65	50	25	30 (2-P)	25 (3-P)	65	33	40	20	—	—
HMD6, HMXD6	100	65	50	30 (2-P)	50 (3-P)	100	50	65	33	—	—
CMD6	200	100	65	—	50 (3-P)	—	—	—	—	—	—

Amperage Ratings

	Amps					
JD	200	225	250	300	350	400
SJD	200	–	–	300	–	400
3VA53	200	225	250	300	350	400
3VA63	–	–	250	–	–	400

Interrupting Ratings

JD

Breaker Type	UL 489 AIR (File E10848)					IEC 947-2					
	RMS Symmetrical Amperes (kA)										
	Volts AC (50/60 Hz)			Volts DC		Volts AC (50/60 Hz)					
	240	480	600	250	500	220/240		380/415		500	
						Icu	Ics	Icu	Ics	Icu	Ics
JXD2-A	65	–	–	30 (2-P)	–	–	–	–	–	–	–
JXD6-A, JD6-A	65	35	25	30 (2-P)	25 (3-P)	65	33	40	20	–	–
HJD6-A, HJXD6-A	100	65	35	30 (2-P)	35 (3-P)	100	50	65	33	–	–
HHJD6, HHJXD6	200	100	50	–	–	–	–	–	–	–	–
CJD6-A	200	150	100	30 (2-P)	50 (3-P)	–	–	–	–	–	–

SJD

Breaker Type	RMS Symmetrical Amperes (kA)		
	240V AC	480 V AC	600 V AC
SJD6-B	65	35	25
SHJD6-B	100	65	35
SCJD6-B	200	150	100

3VA53

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)									
		Volts AC (50/60 Hz)					Volts DC				
		240	480Y/277V	480	600Y/347V	600	250 (2P)	600 (3P)	750 (3P)	750 (4P)	1000 (4P)
M	MJAS	85	35	35	18	18	50	50	10	50	10
H	HJAS	100	65	65	25	25	85	85	10	85	10
C	CJAS	200	100	100	35	35	100	100	10	100	10

3VA63

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)				
		Volts AC (50/60 Hz)				
		240	480Y/277V	480	600Y/347V	600
M	MJAE	100	35	35	18	18
H	HJAE	100	65	65	22	22
C	CJAE	200	100	100	35	35
L	LJAE	200	150	150	50	50
E	EJAE	–	200	200	100	100

NOTE:

- For Internal and External accessory details, please see Speed Fax chapter 7.
- For Plug-in and Draw-out accessory, please see 3VA6 breaker (3VA Plug-in and Draw-out Technology section).
- Check out the new Universal Release Bracket accessory – undervoltage and shunt trip available in 12 V DC to 48 V DC (3VA Internal Accessories section).
- Series Ratings, please see Speed Fax chapter 7 (General Technical: Series Short Circuit Ratings section).
- When replacing a breaker, remember to ensure that the new breaker remain selective with any existing upstream or downstream breaker. The trip curves for Siemens breakers can be found on the SIOS website or compared with our EasyTCC.

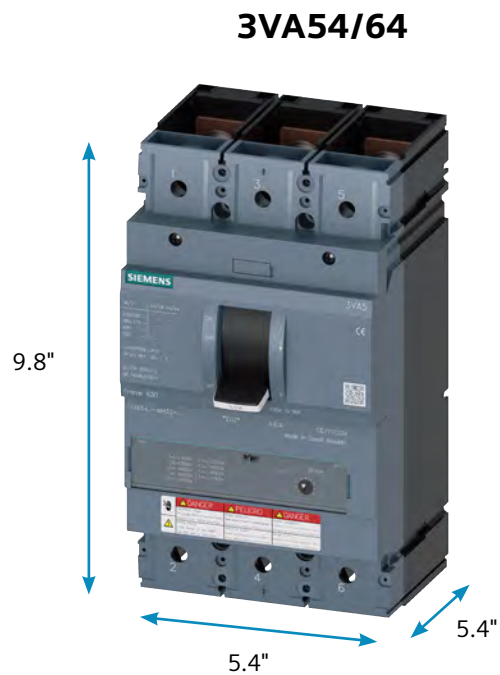
Sentron vs 3VA

LD vs 3VA54/64

LD 250-600 A

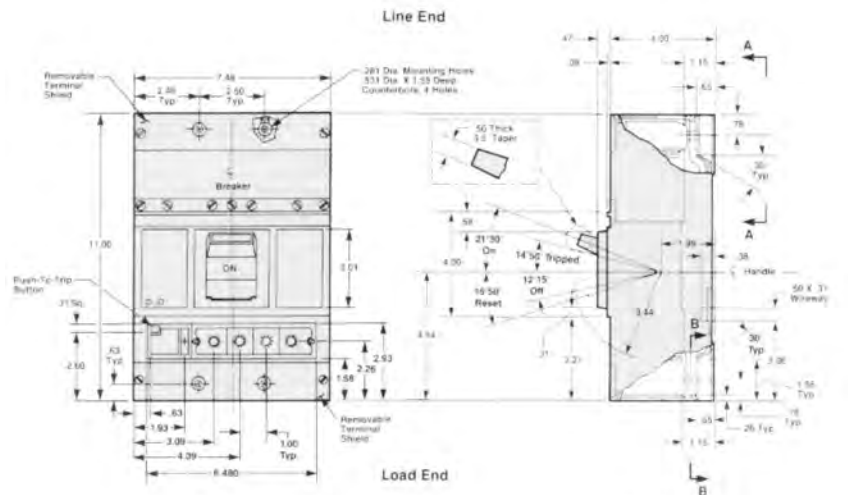
3VA54 450-600 A

3VA64 400-600 A



Dimensional Drawings

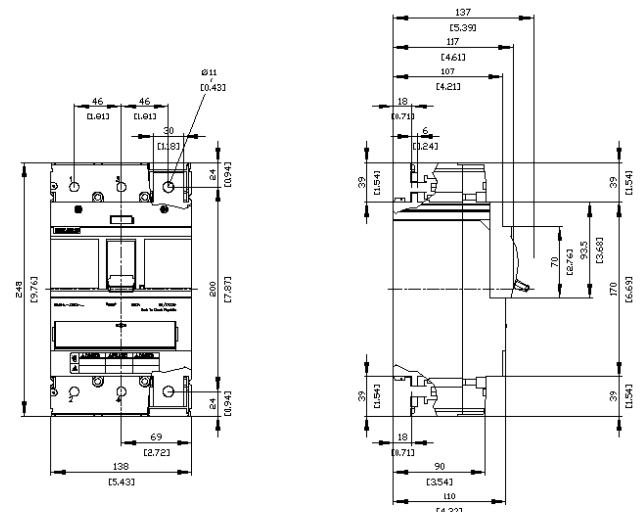
LD



Front View

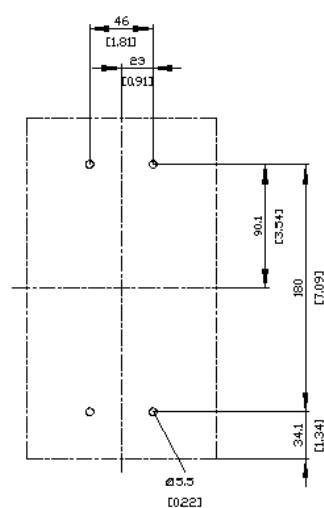
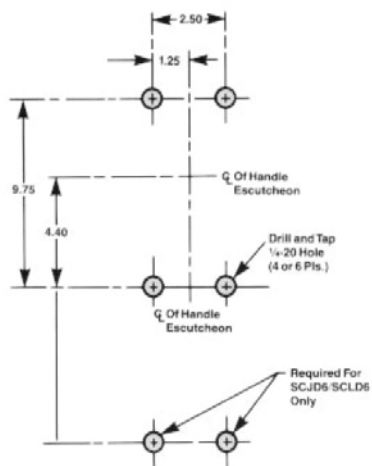
Side View

3VA54/64



Front View

Side View



Mounting Drawings

Mounting Dimensions

Dimensions

Breaker	W in.	H in.	D in.
LD	7.5	11.0	4.0
3VA54/64	5.4	9.8	5.4

Mounting Screws

LD	3VA54/64
MSJ6	3VA9126-0SS10

Replacement Strap Kits

	LD	3VA54/64
Panelboard P1	–	–
Panelboard P2/3	–	–
Panelboard P5	SL6D – Single mount (8.75 in)	S3VA54TD – Single mount (6.25 in)
Switchboard	6LL61 – Single mount (8.75 in)	S3VA54TD – Single mount (6.25 in)

Enclosures

	LD	3VA54/64
1 surface	LD6N1S	3VAE6001S
1 flush	LD6N1F	3VAE6001F
3R	LD6N3R	3VAE6003R
12	LD6N12	3VAE60012
4X	LD6SS4	3VAE6004X (304) 3VAE6004X316 (316)
Neutral	W60993	HN656ACB
200% Neutral	N/A	HN678ACB
7-9	ED6	N/A

Lugs

			LD
Copper	4/0 500 kcmil (kit of three)	600 A	3TC2J6500
Aluminum	3/0 500 kcmil (kit of three)	400 A	3TA2J6500
Copper/ Aluminum	Compression 500 kcmil (kit of three)	600 A	3CCL600

			3VA54/64
Box Terminal	1/0 500 kcmil (kit of three)	600 A	3VA9473-0JA13
Aluminum	2/0 600 kcmil (kit of three)	600 A	3VA9373-0JB13
Aluminum w/ control wire	2/0 600 kcmil (kit of three)	600 A	3VA9373-0JG13
Copper	2/0 600 kcmil (kit of three)	600 A	3VA9373-0JD13
Copper w/ control wire	2/0 600 kcmil (kit of three)	600 A	3VA9373-0JK13

Amperage Ratings

	Amps						
LD	250	300	350	400	450	500	600
3VA54	–	–	–	–	450	500	600
3VA64	–	–	–	400	–	–	600

Interrupting Ratings

LD

Breaker Type	UL 489 AIR (File E10848)					IEC 947-2			
	RMS Symmetrical Amperes (kA)								
	Volts AC (50/60 Hz)			Volts DC		Volts AC (50/60 Hz)			
	240	480	600	250	500	220/240		380/415	
						Icu	Ics	Icu	Ics
LD6-A, LXD6-A	65	35	25	30 (2-P)	25 (3-P)	65	33	40	20
HLD6-A, HLXD6-A	100	65	35	30 (2-P)	35 (3-P)	100	50	65	33
HHL6-A, HHLXD6-A	200	100	50	—	—	—	—	—	—
CLD6-A	200	150	100	—	50 (3-P)	—	—	—	—

3VA54

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)								
		Volts AC (50/60 Hz)					Volts DC			
		240	480Y/277V	480	600Y/347V	600	250 (2P)	600 (3P)	750 (3P)	1000 (4P)
M	MLAS	85	35	35	18	18	50	50	10	10
H	HLAS	100	65	65	25	25	85	85	10	10
C	CLAS	200	100	100	35	35	100	100	10	10

3VA64

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)				
		Volts AC (50/60 Hz)				
		240	480Y/277V	480	600Y/347V	600
M	MLAE	100	35	35	18	18
H	HLAE	100	65	65	22	22
C	CLAE	200	100	100	35	35
L	LLAE	200	150	150	50	50
E	ELAE	–	200	200	100	100

NOTE:

- For Internal and External accessory details, please see Speed Fax chapter 7.
- For Plug-in and Draw-out accessory, please see 3VA6 breaker (3VA Plug-in and Draw-out Technology section).
- Check out the new Universal Release Bracket accessory – undervoltage and shunt trip available in 12 V DC to 48 V DC (3VA Internal Accessories section).
- Series Ratings, please see Speed Fax chapter 7 (General Technical: Series Short Circuit Ratings section).
- When replacing a breaker, remember to ensure that the new breaker remain selective with any existing upstream or downstream breaker. The trip curves for Siemens breakers can be found on the SIOS website or compared with our EasyTCC.

Sentron vs 3VA

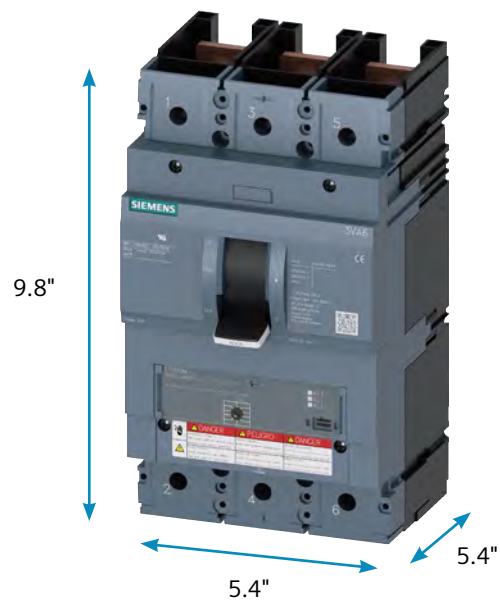
SLD vs 3VA64

SLD 300-600 A
3VA64 400-600 A

SLD

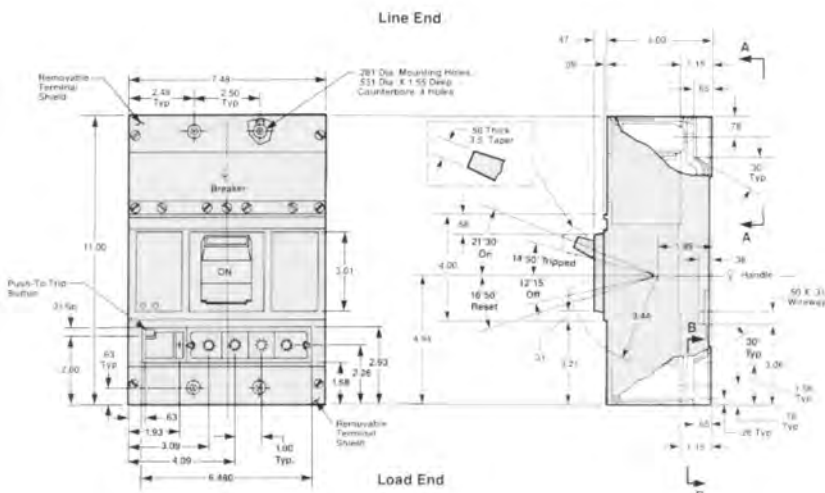


3VA64



Dimensional Drawings

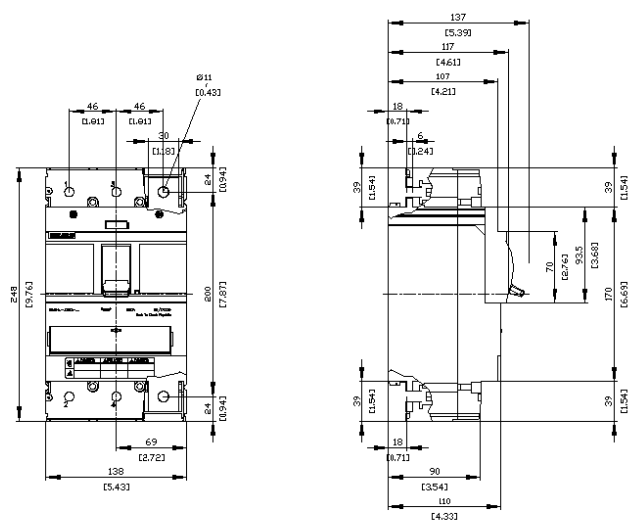
SLD



Front View

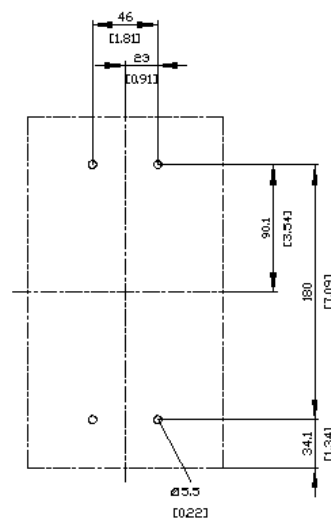
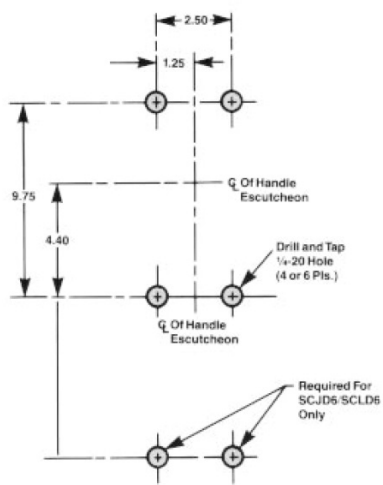
Side View

3VA64



Front View

Side View



Mounting Drawings

Mounting Dimensions

Dimensions

Breaker	W in.	H in.	D in.
SLD	7.5	11.0	4.0
3VA64	5.4	9.8	5.4

Mounting Screws

SLD	3VA64
MSJ6	3VA9126-0SS10

Replacement Strap Kits

	SLD	3VA64
Panelboard P1	–	–
Panelboard P2/3	–	–
Panelboard P5	SSL6D – Single mount (8.75 in)	S3VA54TD – Single mount (6.25 in)
Switchboard	6SLL1 – Single mount (8.75 in)	S3VA54TD – Single mount (6.25 in)

Enclosures

	LD	3VA64
1 surface	LD6N1S	3VAE6001S
1 flush	LD6N1F	3VAE6001F
3R	LD6N3R	3VAE6003R
12	LD6N12	3VAE60012
4X	LD6SS4	3VAE6004X (304) 3VAE6004X316 (316)
Neutral	W60993	HN656ACB
200% Neutral	N/A	HN678ACB

Lugs

			SLD
Copper	4/0 500 kcmil (kit of three)	600 A	3TC2J6500
Aluminum	3/0 500 kcmil (kit of three)	400 A	3TA2J6500
Copper/ Aluminum	Compression 500 kcmil (kit of three)	600 A	3CCL600

			3VA64
Box Terminal	1/0 500 kcmil (kit of three)	600 A	3VA9473-0JA13
Aluminum	2/0 600 kcmil (kit of three)	600 A	3VA9373-0JB13
Aluminum w/ control wire	2/0 600 kcmil (kit of three)	600 A	3VA9373-0JG13
Copper	2/0 600 kcmil (kit of three)	600 A	3VA9373-0JD13
Copper w/ control wire	2/0 600 kcmil (kit of three)	600 A	3VA9373-0JK13

Amperage Ratings

	Amps			
SLD	300	400	500	600
3VA64	–	400	–	600

Interrupting Ratings

SLD

Breaker Type	RMS Symmetrical Amperes (kA) UL 489 (File E10848)		
	240	480	600
SLD6-B	65	35	25
SHLD6-B	100	85	35
SCLD6-B	200	150	100

3VA64

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)				
		Volts AC (50/60 Hz)				
		240	480Y/277V	480	600Y/347V	600
M	MLAE	100	35	35	18	18
H	HLAE	100	65	65	22	22
C	CLAE	200	100	100	35	35
L	LLAE	200	150	150	50	50
E	ELAE	–	200	200	100	100

NOTE:

- For Internal and External accessory details, please see Speed Fax chapter 7.
- For Plug-in and Draw-out accessory, please see 3VA6 breaker (3VA Plug-in and Draw-out Technology section).
- Check out the new Universal Release Bracket accessory – undervoltage and shunt trip available in 12 V DC to 48 V DC (3VA Internal Accessories section).
- Series Ratings, please see Speed Fax chapter 7 (General Technical: Series Short Circuit Ratings section).
- When replacing a breaker, remember to ensure that the new breaker remain selective with any existing upstream or downstream breaker. The trip curves for Siemens breakers can be found on the SIOS website or compared with our EasyTCC.

Sentron vs 3VA

LMD vs 3VA55

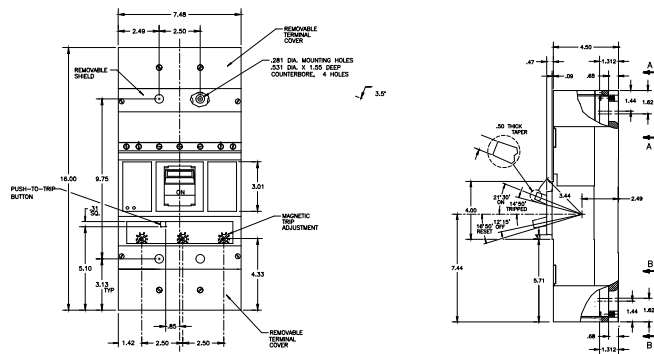
LMD 500-800 A

3VA55 600-800 A



Dimensional Drawings

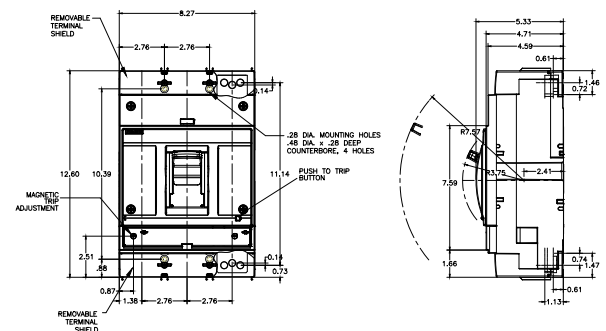
LMD



Front View

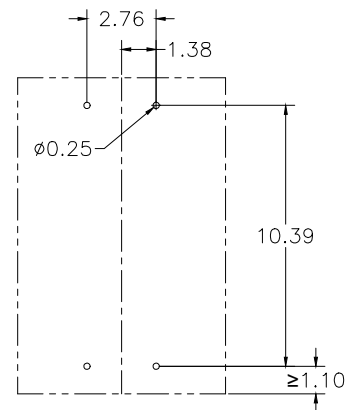
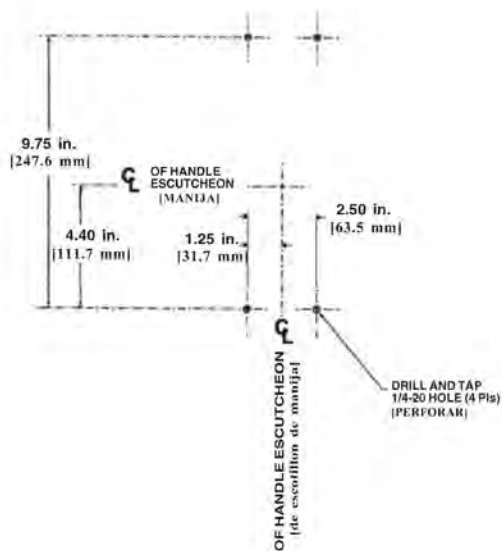
Side View

3VA55



Front View

Side View



Mounting Drawings

Mounting Dimensions

Dimensions

Breaker	W in.	H in.	D in.
LMD	7.5	16	4.5
3VA55	8.3	12.5	5.8

Mounting Screws

LMD	3VA55	
	SAE	Metric
MSLMD	3VA9874-OSS00	3VA9874-OSS10

Replacement Strap Kits

	MD	3VA55
Panelboard P1	–	–
Panelboard P2/3	–	–
Panelboard P5	SMND – Single mount (10.0 in)	S3VA55TD – Single mount (8.75 in)
Switchboard	SMND – Single mount (10.0 in)	S3VA55TD – Single mount (8.75 in)

Enclosures

	LMD	3VA55
1 surface	LMD1S	3VAE8001S
1 flush	LMD1F	3VAE8001F
3R	LMD3R	3VAE8003R
12	LMD12	3VAE80012
4X	–	–
4X 316	–	3VAE8004X316
Neutral	W63623	HN656ACB
200% Neutral	N/A	HN678ACB

Lugs

LMD				3VA55			
Copper	1-500 kcmil Cu/A1	600 A	TA2K500	Box Terminal	–	1000 A	–
	1,2-hole Cu/A1			Aluminum	4/0 600 kcmil A1/Cu	1000 A	3VA9573-OJB23
Aluminum	1/0-500 kcmil Cu/A1	600 A	3TA3K500	Aluminum	400-750 kcmil A1/Cu	1000 A	3VA9673-OJJ24
	3-hole			Copper	4/0 600 kcmil Cu	1000 A	3VA9673-OJD32
Copper/	500-750 kcmil Cu/A1	800 A	TA2N750				
Aluminum	1,2-hole						

Amperage Ratings

	Amps			
LMD	500	600	700	800
3VA55	–	600	700	800

Interrupting Ratings

LMD

Breaker Type	UL 489A IR				
	RMS Symmetrical Amperes (kA)				
	Volts AC			Volts DC	
	240	480	600	250	500
LMD6, LMXD6	65	50	25	30 (2-P)	25 (3-P)
HLMD6, HLMXD6	100	65	50	30 (2-P)	50 (3-P)

3VA55

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)									
		Volts AC (50/60 Hz)					Volts DC				
		240	480Y/277V	480	600Y/347V	600	250 (2P)	600 (3P)	750 (3P)	750 (4P)	1000 (4P)
M	MMAS	85	35	35	18	18	50	50	50	50	18
H	HMAS	100	65	65	25	25	85	85	85	85	25
C	CMAS	200	100	100	50	50	100	100	100	100	50

NOTE:

- For Internal and External accessory details, please see Speed Fax chapter 7.
- For Plug-in and Draw-out accessory, please see 3VA5 breaker (3VA Plug-in and Draw-out Technology section).
- Check out the new Universal Release Bracket accessory – undervoltage and shunt trip available in 12 V DC to 48 V DC (3VA Internal Accessories section).
- Series Ratings, please see Speed Fax chapter 7 (General Technical: Series Short Circuit Ratings section).
- When replacing a breaker, remember to ensure that the new breaker remain selective with any existing upstream or downstream breaker. The trip curves for Siemens breakers can be found on the SIOS website or compared with our EasyTCC.

Sentron vs 3VA

MD/SMD vs 3VA55/65

MD 500-800 A

SMD 600-800 A

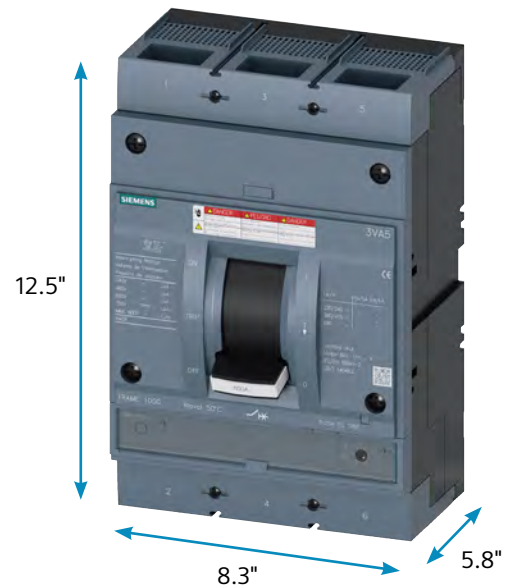
3VA55 600-800 A

3VA65 600-800A

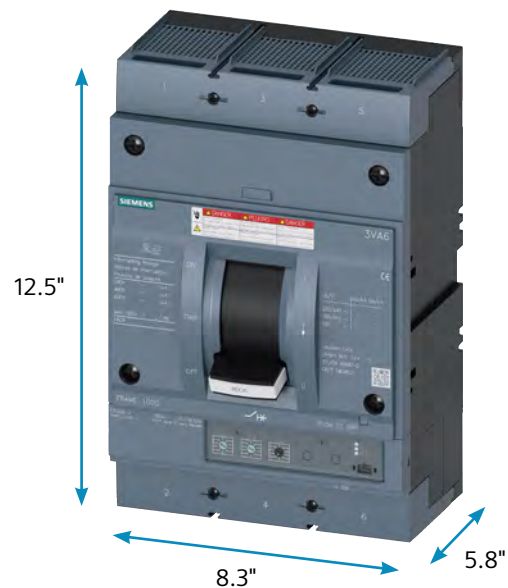
MD/SMD



3VA55

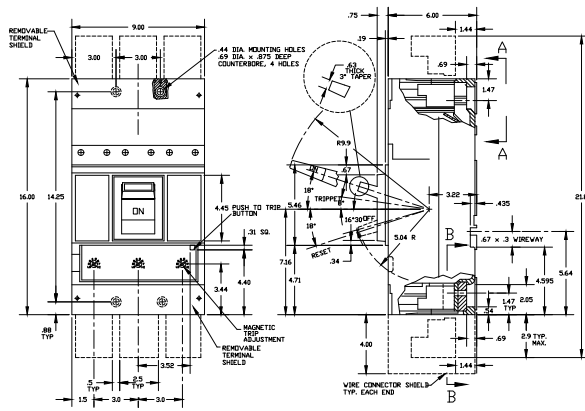


3VA65

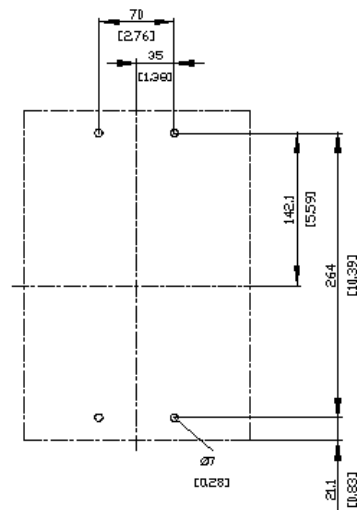
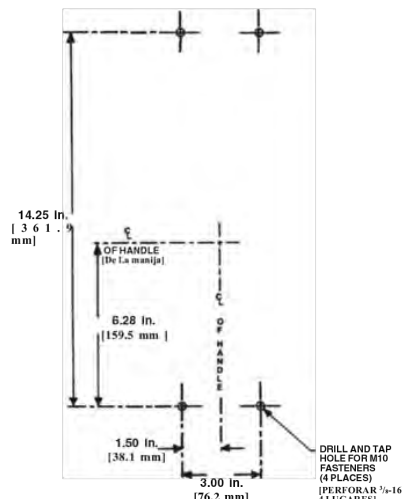
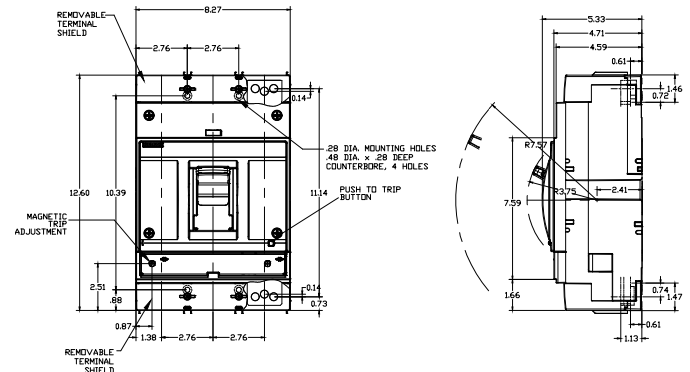


Dimensional Drawings

MD



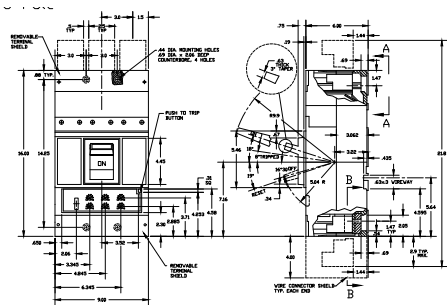
3VA55



Mounting Drawings

Dimensional Drawings

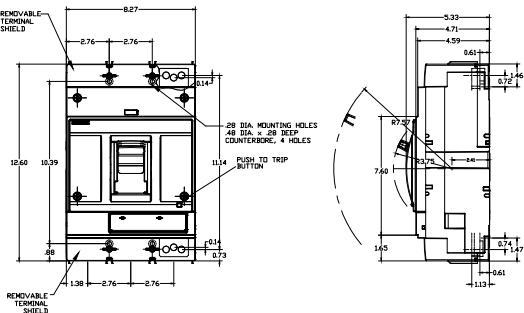
SMD



Front View

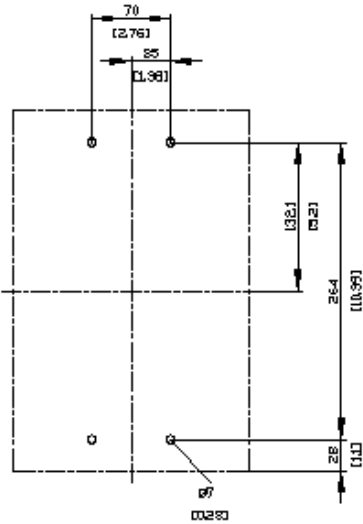
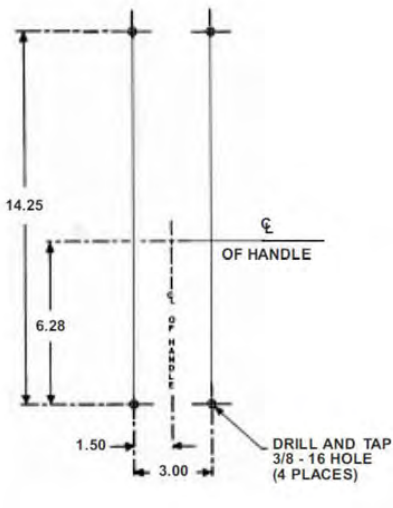
Side View

3VA65



Front View

Side View



Mounting Drawings

Mounting Dimensions

Dimensions

Breaker	W in.	H in.	D in.
MD/SMD	9	16	6
3VA55/65	8.3	12.5	5.8

Mounting Screws

MD/SMD	3VA55/65	
	SAE	Metric
MSMN	3VA9874-0SS00	3VA9874-0SS10

Replacement Strap Kits

	MD/SMD	3VA55/65
Panelboard P1	–	–
Panelboard P2/3	–	–
Panelboard P5	SMND – Single mount (10.0 in)	S3VA55TD – Single mount (8.75 in)
Switchboard	SMND – Single mount (10.0 in)	S3VA55TD – Single mount (8.75 in)

Enclosures

	MD/SMD	3VA55/65
1 surface	MMD61S	3VAE8001S
1 flush	MMD61F	3VAE8001F
3R	MMD63R	3VAE8003R
12	MMD612	3VAE80012
4X	–	3VAE8004X
4X 316	–	3VAE8004X316
Neutral	W63623	HN656ACB
200% Neutral	N/A	HN678ACB

Lugs

			MD/SMD
Copper	1-500 kcmil 2-hole	600 A	3TA2K500
Aluminum	1/0-500 kcmil 3-hole	600 A	3TA3K500
Copper/Aluminum	250-500 kcmil Cu/Al	1200 A	3TA4N8500

Connections for 75C wire for 3VA55, 3VA65 and 3VA66

Type	Minimum Cable Size	Maximum Cable Size		Part Number (kit of 3 lugs)	Part Number (kit of 4 lugs)
Aluminum body lug, 2 cables (Cu/Al cable)	4.0	600 kcmil	1000 A	3VA9573-OJB23	3VA9574-OJB23
Aluminum body lug, 2 cables (Cu/Al cable) with control wire tap	4.0	600 kcmil	1000 A	3VA9573-OJG23	3VA9574-OJG23
Aluminum body lug, 2 cables (Cu/Al cable) with one extended terminal cover	4.0 kcmil	750 kcmil	1000 A	3VA9673-OJJ24	3VA9674-OJJ24
Aluminum body lug, 2 cables (Cu/Al cable) with control wire tap and one extended terminal cover	4.0 kcmil	750 kcmil	1000 A	3VA9673-OJC24	3VA9674-OJC24
Aluminum body lug, 3 cables (Cu/Al cable)	4.0	400 kcmil	1000 A	3VA9673-OJB32	3VA9674-OJB32
Aluminum body lug, 3 cables (Cu/Al cable) with control wire tap	4.0	400 kcmil	1000 A	3VA9673-OJG32	3VA9674-OJG32
Aluminum body lug, 3 cables (Cu/Al cable) with one extended terminal cover	4.0 kcmil	750 kcmil	1000 A	3VA9673-OJJ34	3VA9674-OJJ34
Aluminum body lug, 3 cables (Cu/Al cable) with control wire tap and one extended terminal cover	4.0 kcmil	750 kcmil	1000 A	3VA9673-OJC34	3VA9674-OJC34
Aluminum body lug, 4 cables (Cu/Al cable)	4.0	600 kcmil	1000 A	3VA9673-OJJ43	3VA9674-OJJ43
Aluminum body lug, 4 cables (Cu/Al cable) with control wire tap	4.0	600 kcmil	1000 A	3VA9673-OJC43	3VA9674-OJC43
Aluminum body lug, 4 cables (Cu/Al cable) with one extended terminal cover	4.0	600 kcmil	1000 A	3VA9673-OJJ44	3VA9674-OJJ44
Aluminum body lug, 4 cables (Cu/Al cable) with control wire tap and one extended terminal cover	4.0	600 kcmil	1000 A	3VA9673-OJC44	3VA9674-OJC44
Copper body lug, 3 cables (Cu/Al cable) with one extended terminal cover	4.0	400 kcmil	1000 A	3VA9673-OJK32	3VA9674-OJK32
Copper body lug, 4 cables (Cu/Al cable) with control wire tap and one extended terminal cover	4.0	500 kcmil	1000 A	3VA9673-OJL43	3VA9674-OJL43

Amperage Ratings

	Amps			
MD	500	600	700	800
SMD	–	600	700	800
3VA55	–	600	700	800
3VA65	–	600	–	800

Interrupting Ratings

MD

Breaker Type	UL 489 AIR (File E10848)					IEC 947-2					
	RMS Symmetrical Amperes (kA)										
	Volts AC			Volts DC		Volts AC (50/60 Hz)					
	240	480	600	250	500	220/240		380/415		500	
						Icu	Ics	Icu	Ics	Icu	Ics
MD6, MXD6	65	50	25	30 (2-P)	25 (3-P)	65	33	40	20	–	–
HMD6, HMXD6	100	65	50	30 (2-P)	50 (3-P)	100	50	65	33	–	–
CMD6	200	100	65	–	50 (3-P)	–	–	–	–	–	–

SMD

Breaker Type	RMS Symmetrical Amperes (kA)		
	240V AC	480 V AC	600 V AC
SMD6-B	65	50	25
SHMD6-B	100	65	50
SCMD6-B	200	100	65

3VA55

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)									
		Volts AC (50/60 Hz)					Volts DC				
		240	480Y/277V	480	600Y/347V	600	250 (2P)	600 (3P)	750 (3P)	750 (4P)	1000 (4P)
M	MMAS	85	35	35	18	18	50	50	50	50	18
H	HMAS	100	65	65	25	25	85	85	85	85	25
C	CMAS	200	100	100	50	50	100	100	100	100	50

3VA65

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)				
		Volts AC (50/60 Hz)				
		240	480Y/277V	480	600Y/347V	600
M	MMAE	100	35	35	25	25
H	HMAE	150	65	65	35	35
C	CMAE	200	100	100	50	50

NOTE:

- For Internal and External accessory details, please see Speed Fax chapter 7.
- For Plug-in and Draw-out accessory, please see 3VA5 breaker (3VA Plug-in and Draw-out Technology section).
- Check out the new Universal Release Bracket accessory – undervoltage and shunt trip available in 12 V DC to 48 V DC (3VA Internal Accessories section).
- Series Ratings, please see Speed Fax chapter 7 (General Technical: Series Short Circuit Ratings section).
- When replacing a breaker, remember to ensure that the new breaker remain selective with any existing upstream or downstream breaker. The trip curves for Siemens breakers can be found on the SIOS website or compared with our EasyTCC.

Sentron vs 3VA

ND/SND vs 3VA57/67

ND 800-1200 A

SND 800-1200 A

3VA57 800-1200 A

3VA67 800 -1200 A

ND/SND

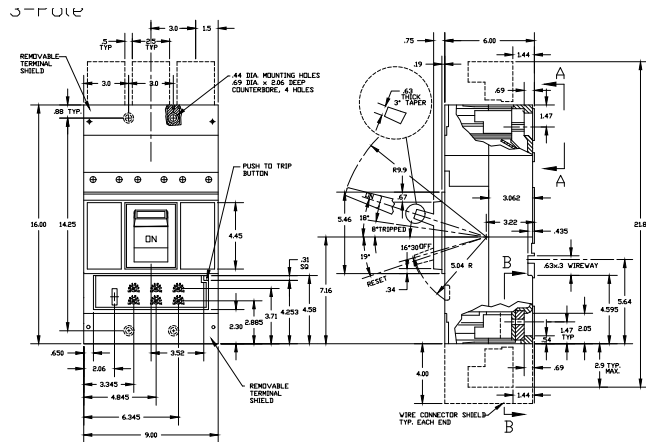


3VA57/67



Dimensional Drawings

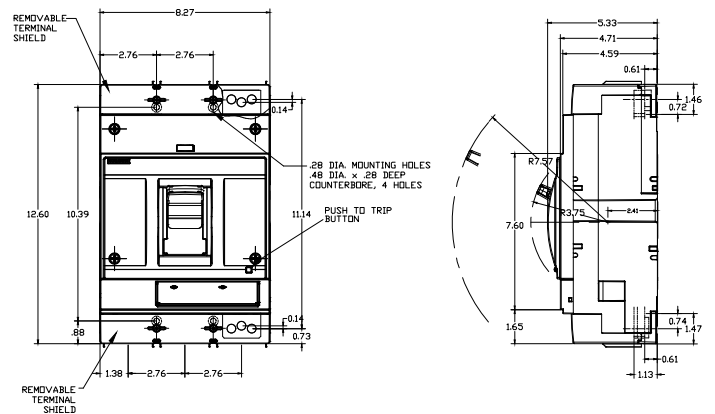
SMD



Front View

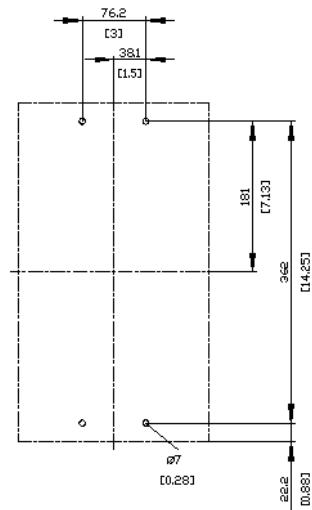
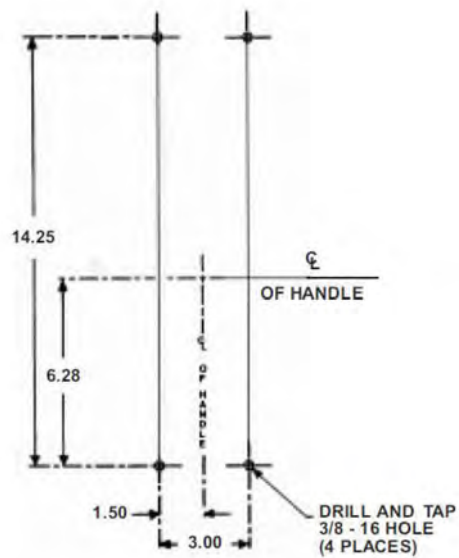
Side View

3VA67



Front View

Side View



Mounting Drawings

Mounting Dimensions

Dimensions

Breaker	W in.	H in.	D in.
ND/SND	9	16	6
3VA57/67	9	16	6

Mounting Screws

ND/SND	3VA57/67	
	Metric	SAE
MSMN	3VA9874-0SS10	3VA9874-0SS00

Replacement Strap Kits

	ND/SND	3VA57/67
Panelboard P1	–	–
Panelboard P2/3	–	–
Panelboard P5	SSMD - Single mount (10.0 in)	S3VA57TD - Single mount (10.0 in)
Switchboard	SSMD -Single mount (10.0 in)	S3VA57TD - Single mount (10.0 in)

Available trip units

3VA57 1200A, 3-pole Frame, Thermal-Magnetic Trip Unit

Cont. Ampere Rating	M-Interrupting Class (MNAS)	H-Interrupting Class (HNAS)	C-Interrupting Class (CNAS)
	Catalog Number	Catalog Number	Catalog Number
	TM230 FTAM		
800	3VA5780-5EC31-0AA0	3VA5780-6EC31-0AA0	3VA5780-7EC31-0AA0
900	3VA5790-5EC31-0AA0	3VA5790-6EC31-0AA0	3VA5790-7EC31-0AA0
1000	3VA5710-5EC31-0AA0	3VA5710-6EC31-0AA0	3VA5710-7EC31-0AA0
1200	3VA5712-5EC31-0AA0	3VA5712-6EC31-0AA0	3VA5712-7EC31-0AA0

3VA67 1200A, 3-pole Frame, Electronic Trip Unit

Cont. Ampere Rating	M-Interrupting Class (MNAE)	H-Interrupting Class (HNAE)	C-Interrupting Class (CNAE)
	Catalog Number	Catalog Number	Catalog Number
	ETU320 LI with dials		
800	3VA6780-5HL31-0AA0	3VA6780-6HL31-0AA0	3VA6780-7HL31-0AA0
1000	3VA6710-5HL31-0AA0	3VA6710-6HL31-0AA0	3VA6710-7HL31-0AA0
1200	3VA6712-5HL31-0AA0	3VA6712-6HL31-0AA0	3VA6712-7HL31-0AA0
	ETU330 LIG with dials		
800	3VA6780-5HM31-0AA0	3VA6780-6HM31-0AA0	3VA6780-7HM31-0AA0
1000	3VA6710-5HM31-0AA0	3VA6710-6HM31-0AA0	3VA6710-7HM31-0AA0
1200	3VA6712-5HM31-0AA0	3VA6712-6HM31-0AA0	3VA6712-7HM31-0AA0
	ETU350 LSI with dials		
800	3VA6780-5HN31-0AA0	3VA6780-6HN31-0AA0	3VA6780-7HN31-0AA0
1000	3VA6710-5HN31-0AA0	3VA6710-6HN31-0AA0	3VA6710-7HN31-0AA0
1200	3VA6712-5HN31-0AA0	3VA6712-6HN31-0AA0	3VA6712-7HN31-0AA0
	ETU360 LSIG with dials		
800	3VA6780-5HQ31-0AA0	3VA6780-6HQ31-0AA0	3VA6780-7HQ31-0AA0
1000	3VA6710-5HQ31-0AA0	3VA6710-6HQ31-0AA0	3VA6710-7HQ31-0AA0
1200	3VA6712-5HQ31-0AA0	3VA6712-6HQ31-0AA0	3VA6712-7HQ31-0AA0
	ETU850 LSI with LCD and Metering		
800	3VA6780-5KP31-0AA0	3VA6780-6KP31-0AA0	3VA6780-7KP31-0AA0
1000	3VA6710-5KP31-0AA0	3VA6710-6KP31-0AA0	3VA6710-7KP31-0AA0
1200	3VA6712-5KP31-0AA0	3VA6712-6KP31-0AA0	3VA6712-7KP31-0AA0
	ETU856 LSI(G Alarm) with LCD and Metering		
800	3VA6780-5KT31-0AA0	3VA6780-6KT31-0AA0	3VA6780-7KT31-0AA0
1000	3VA6710-5KT31-0AA0	3VA6710-6KT31-0AA0	3VA6710-7KT31-0AA0
1200	3VA6712-5KT31-0AA0	3VA6712-6KT31-0AA0	3VA6712-7KT31-0AA0
	ETU860 LSIG with LCD and Metering		
800	3VA6780-5KQ31-0AA0	3VA6780-6KQ31-0AA0	3VA6780-7KQ31-0AA0
1000	3VA6710-5KQ31-0AA0	3VA6710-6KQ31-0AA0	3VA6710-7KQ31-0AA0
1200	3VA6712-5KQ31-0AA0	3VA6712-6KQ31-0AA0	3VA6712-7KQ31-0AA0

Enclosures

	ND/SND	3VA57/67
1 surface	MND61S	–
1 flush	MND61F	–
3R	MND63R	–
12	MND612	–
4X	–	–
Neutral	W63623	–
200% Neutral	LD6N1	–

Lugs

			ND
Copper	1-500 kcmil Cu	600 A	TC2K500
Aluminum	1-500 kcmil Cu/Al	600 A	TA3K500
Copper/Aluminum	500-750 kcmil Cu/Al	1200 A	3TA3N8750

Connections for 75C wire for 3VA57 and 3VA67

Type	Minimum Cable Size	Maximum Cable Size		Part Number (kit of 2 lugs)	Part Number (kit of 3 lugs)	Mount Lugs to Essential Parts
TA6.1 Aluminum body lug, 3 cables (Cu/Al cable) with 1 extended terminal cover	500 kcmil	750 kcmil	1200 A	3VA9772-0JJ34	3VA9773-0JJ34	—
TA6.2 Aluminum body lug, 4 cables (Cu/Al cable) with 1 extended terminal cover	1/0	500 kcmil	1200 A	3VA9772-0JJ43	3VA9773-0JJ43	—
TA6.2 Aluminum body lug with CVT, 4 cables (Cu/Al cable) with control wire tap and 1 extended terminal cover	1/0	500 kcmil	1200 A	—	3VA9773-0JC43	—
TA6.3 Aluminum body lug, 4 cables (Cu/Al cable) with 1 extended terminal cover, 100% rated	1/0	500 kcmil	1200 A	—	3VA9773-0JM43	—
TC6.2 Copper body lug (Cu cable only) 4 cable lugs	1/0	500 kcmil	1200 A	—	3VA9773-0JE43	—
TA7.1 Aluminum body lug, 6 cables (Cu/Al cable) for lug mounting assembly	1/0	750 kcmil	1600 A	—	3VA9773-0JJ64	3VA9873-0WL00
CL1.7 Compression lug, 12 pcs, 4 per phase line or load (Cu/Al cable),with extended terminal cover	1/0	500 kcmil	1200 A	—	3VA9773-0QK01	—

Amperage Ratings

	Amps			
ND	800	900	1000	1200
SND	800	–	1000	1200
3VA57	800	900	1000	1200
3VA67	800	–	1000	1200

Interrupting Ratings

ND

Breaker Type	UL 489 AIR					IEC 947-2					
	RMS Symmetrical Amperes (kA)										
	Volts AC			Volts DC		Volts AC (50/60 Hz)					
	240	480	600	250	500	220/240		380/415		500	
						Icu	Ics	Icu	Ics	Icu	Ics
ND6, NXD6	65	50	25	30 (2-P)	25 (3-P)	65	33	40	20	–	–
HND6, HXND6	100	65	50	30 (2-P)	50 (3-P)	100	50	65	33	–	–
CND6	200	100	65	–	50 (3-P)	–	–	–	–	–	–

SND

Breaker Type	RMS Symmetrical Amperes (kA)		
	240V AC	480 V AC	600 V AC
SND6-B	65	50	25
SHND6-B	100	65	50
SCND6-B	200	100	65

3VA57

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)								
		Volts AC (50/60 Hz)						Volts DC		
		240	480Y/277V	480	600Y/347V	600		250 (2P)	600 (3P)	750 (3P)
M	MNAS	85	35	35	25	25		50	50	50
H	HNAS	100	65	65	35	35		85	85	85
C	CNAS	200	100	100	65	65		100	100	100

3VA67

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)				
		Volts AC (50/60 Hz)				
		240	480Y/277V	480	600Y/347V	600
M	MNAE	85	35	35	25	25
H	HNAE	100	65	65	35	35
C	CNAE	200	100	100	65	65

NOTE:

- For Internal and External accessory details, please see Speed Fax chapter 7.
- For Plug-in and Draw-out accessory, please see 3VA6 breaker (3VA Plug-in and Draw-out Technology section).
- Check out the new Universal Release Bracket accessory – undervoltage and shunt trip available in 12 V DC to 48 V DC (3VA Internal Accessories section).
- Series Ratings, please see Speed Fax chapter 7 (General Technical: Series Short Circuit Ratings section).
- When replacing a breaker, remember to ensure that the new breaker remain selective with any existing upstream or downstream breaker. The trip curves for Siemens breakers can be found on the SIOS website or compared with our EasyTCC.

Sentron vs 3VA

PD/SPD vs 3VA58/68

PD 1200-1600 A
SPD 1400-1600 A
3VA58 1400-1600 A
3VA68 1600A

PD/SPD



3VA58/68



Mounting Dimensions

Dimensions

Breaker	W in.	H in.	D in.
PD/SPD	9	16	6
3VA58/68	9	16	6

Mounting Screws

PD/SPD	3VA58/68
MSPR6	3VA9873-OWM00

3VA58/3VA68

Mounting Arrangement (Required for Cable Connections)

Bus connections require either "3VA9873-0QB00" or "3VA9873-0QH00"

Description	Catalog Number
Mounting Base for front connection	3VA9873-OWM00
Mounting Base for rear connection	3VA9873-OWN00
Lug Mounting Assembly	3VA9873-OWL00

Lugs

			PD/SPD
Copper	300-600 kcmil Cu	2000 A	TC5R600
Aluminum	300-600 kcmil Cu/Al	1600 A	TA5P600
Copper/Aluminum	600-750 kcmil Cu/Al	1600 A	TA4P750

Connections for 75C wire for 3VA58 and 3VA68

Type	Minimum Cable Size	Maximum Cable Size		Part Number (kit of 1 lug)	Part Number (kit of 3 lugs)	Mount Lugs to Essential Parts
TA7.2 Aluminum body lug, 4 cables (Cu/Al cable) for mounting base front connection	600 kcmil	750 kcmil	1600 A	3VA9771-0JJ44	—	3VA9873-OWM00 + 3VA9872-0WA00
TA7.2 Aluminum body lug, 4 cables (Cu/Al cable) for mounting base rear connection	600 kcmil	750 kcmil	1600 A	3VA9771-0JJ44	—	3VA9873-OWN00
TA7.3 Aluminum body lug, 5 cables (Cu/Al cable) for mounting base front connection	300 kcmil	600 kcmil	1600 A	3VA9771-0JJ53	—	3VA9873-OWM00 + 3VA9872-0WA00
TA7.3 Aluminum body lug, 5 cables (Cu/Al cable) for mounting base rear connection	300 kcmil	600 kcmil	1600 A	3VA9771-0JJ53	—	3VA9873-OWN00
TA7.4 Aluminum body lug, 6 cables (Cu/Al cable) for mounting base front connection	300 kcmil	600 kcmil	2000 A	3VA9871-0JJ63	—	3VA9873-OWM00 + 3VA9872-0WA00
TC7.3 Copper body lug, 5 cables (Cu cable only) for mounting base front connection	300 kcmil	600 kcmil	2000 A	3VA9871-0JE53	—	3VA9873-OWM00 + 3VA9872-0WA00
TC7.3 Copper body lug, 5 cables (Cu cable only) for mounting base rear connection	300 kcmil	600 kcmil	2000 A	3VA9871-0JE53	—	3VA9873-OWN00
TA7.1 Aluminum body lug, 6 cables (Cu/Al cable) for lug mounting assembly	1/0	750 kcmil	2000 A	—	3VA9773-0JJ64	3VA9873-OWL00

Amperage Ratings

	Amps		
PD	1200	1400	1600
SPD	–	1400	1600
3VA58	–	1400	1600
3VA68	–	–	1600

Interrupting Ratings

PD

Breaker Type	UL 489 AIR				
	RMS Symmetrical Amperes (kA)				
	Volts AC			Volts DC	
	240	480	600	250	500
PD6, PXD6	65	50	25	30 (2-P)	25 (3-P)
HPD6, HPXD6	100	65	50	30 (2-P)	50 (3-P)
CPD6	200	100	65	30 (2P)	50 (3-P)

SPD

Breaker Type	RMS Symmetrical Amperes (kA)		
	240V AC	480 V AC	600 V AC
SPD6-B	65	50	25
SHPD6-B	100	65	50

3VA58

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)							
		Volts AC (50/60 Hz)					Volts DC		
		240	480Y/277V	480	600Y/347V	600	250 (2P)	600 (3P)	750 (3P)
M	MPAS	85	35	35	25	25	50	50	50
H	HPAS	100	65	65	35	35	85	85	85
C	CPAS	200	100	100	65	65	100	100	100

3VA68

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)				
		Volts AC (50/60 Hz)				
		240	480Y/277V	480	600Y/347V	600
M	MPAE	85	35	35	25	25
H	HPAE	100	65	65	35	35
C	CPAE	200	100	100	65	65

NOTE:

- For Internal and External accessory details, please see Speed Fax chapter 7.
- For Plug-in and Draw-out accessory, please see 3VA6 breaker (3VA Plug-in and Draw-out Technology section).
- Check out the new Universal Release Bracket accessory – undervoltage and shunt trip available in 12 V DC to 48 V DC (3VA Internal Accessories section).
- Series Ratings, please see Speed Fax chapter 7 (General Technical: Series Short Circuit Ratings section).
- When replacing a breaker, remember to ensure that the new breaker remain selective with any existing upstream or downstream breaker. The trip curves for Siemens breakers can be found on the SIOS website or compared with our EasyTCC.

Sentron vs 3VA

RD vs 3VA59

RD 1600-2000 A

3VA59 1800-2000 A

RD



3VA59



Mounting Dimensions

Dimensions

Breaker	W in.	H in.	D in.
RD	9	16	6
3VA59	9	16	6

Mounting Arrangement

	Front connection base	Rear connection base
RD	MBR9302	MBR9302
3VA59	3VA9873-0WM00	3VA9873-0WN00

Lugs

			RD
Copper	300-600 kcmil	2000 A	TC5R600
Aluminum	300-600 kcmil Cu/Al	2000 A	TA6R600

Connections for 75C wire for 3VA59 and 3VA69

Type	Minimum cable size	Maximum cable size		Part Number (kit of 1 lugs)	Mount Lugs to Essential Parts
TA7.4 Aluminum body lug, 6 cables (Cu/Al cable) for mounting base front connection, only for UL applications	300 kcmil	600 kcmil	2000 A	3VA9871-0JJ63	3VA9873-0WM00 + 3VA9872-0WA00
TC7.3 Copper body lug, 5 cables (Cu cable only) for mounting base front connection, only for UL applications	300 kcmil	600 kcmil	2000 A	3VA9871-0JE53	3VA9873-0WM00 + 3VA9872-0WA00
TC7.3 Copper body lug, 5 cables (Cu cable only) for mounting base rear connection, only for UL applications	300 kcmil	600 kcmil	2000 A	3VA9871-0JE53	3VA9873-0WN00

Amperage Ratings

	Amps		
RD	1600	1800	2000
3VA59	–	1800	2000

Interrupting Ratings

RD

Breaker Type	UL 489 AIR				
	RMS Symmetrical Amperes (kA)				
	Volts AC			Volts DC	
	240	480	600	250	500
RD6, RXD6	65	50	25	30 (2-P)	25 (3-P)
HRD6, DRXD6	100	65	50	30 (2-P)	50 (3-P)

3VA59

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)							
		Volts AC (50/60 Hz)					Volts DC		
		240	480Y/277V	480	600Y/347V	600	250 (2P)	600 (3P)	750 (3P)
M	MRAS	85	35	35	25	25	50	50	50
H	HRAS	100	65	65	35	35	85	85	85
C	CRAS	200	100	100	65	65	100	100	100

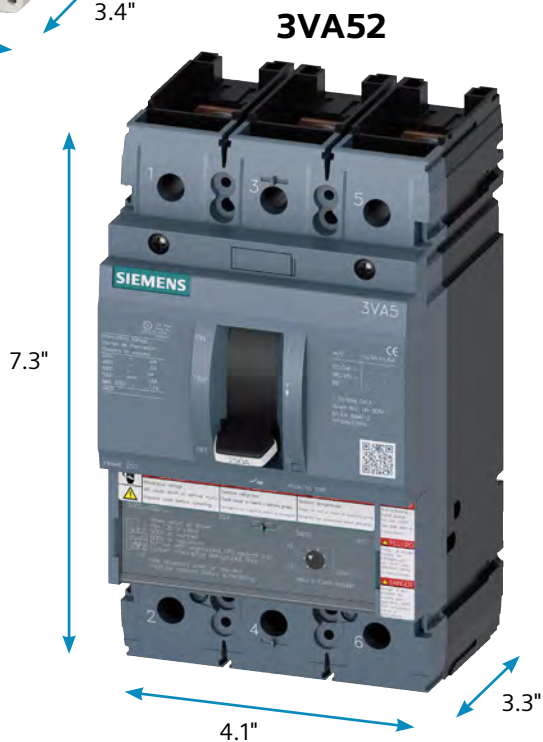
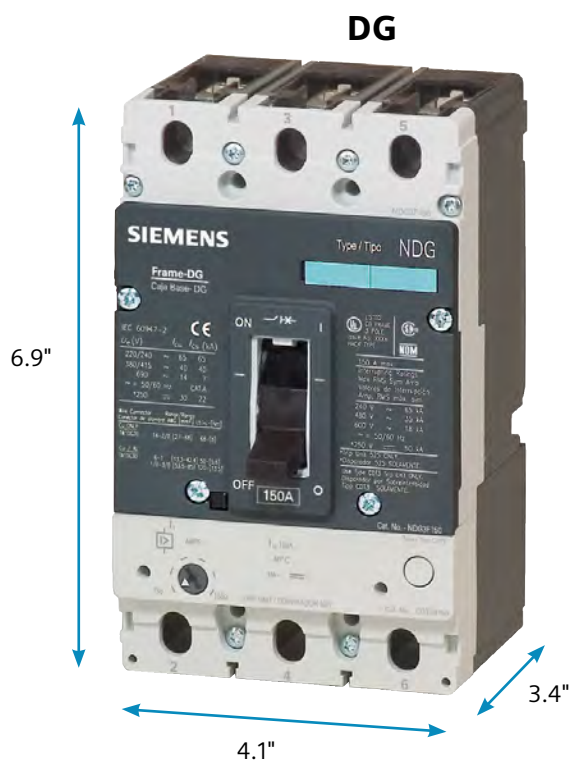
NOTE:

- For Internal and External accessory details, please see Speed Fax chapter 7.
- For Plug-in and Draw-out accessory, please see 3VA6 breaker (3VA Plug-in and Draw-out Technology section).
- Check out the new Universal Release Bracket accessory – undervoltage and shunt trip available in 12 V DC to 48 V DC (3VA Internal Accessories section).
- Series Ratings, please see Speed Fax chapter 7 (General Technical: Series Short Circuit Ratings section)
- When replacing a breaker, remember to ensure that the new breaker remain selective with any existing upstream or downstream breaker. The trip curves for Siemens breakers can be found on the SIOS website or compared with our EasyTCC.

VL vs 3VA

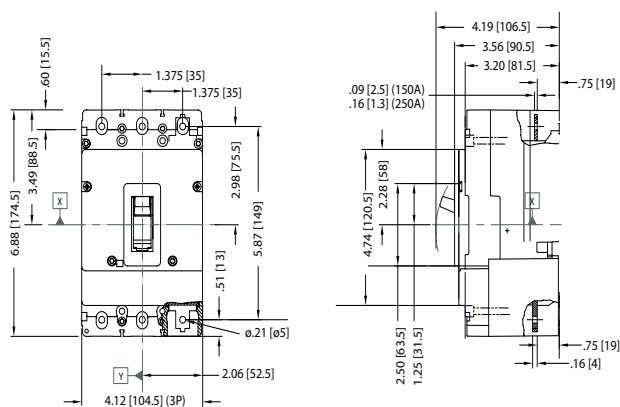
DG/FG vs 3VA52

DG 50-150 A
FG 100-250 A
3VA52 15-250 A



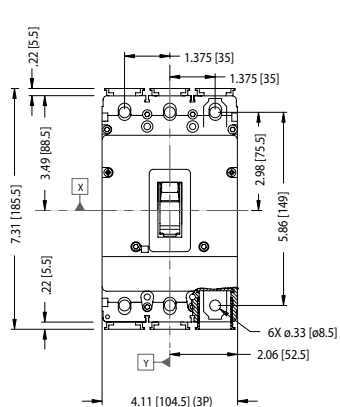
Dimensional Drawings

DG

FG

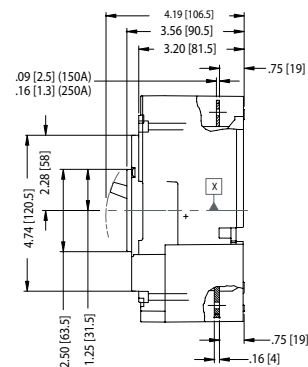
Front View

Side View

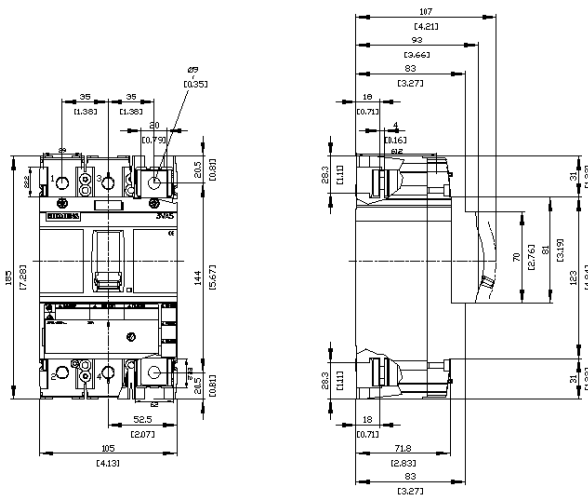


Front View

Side View



3VA52

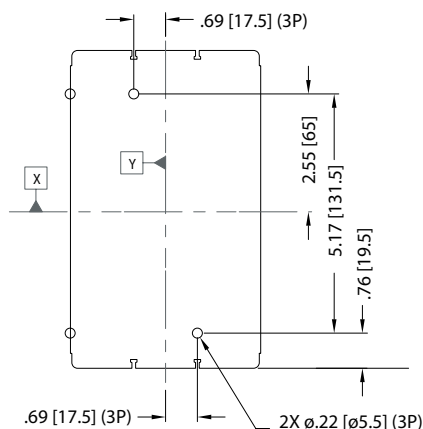


Front View

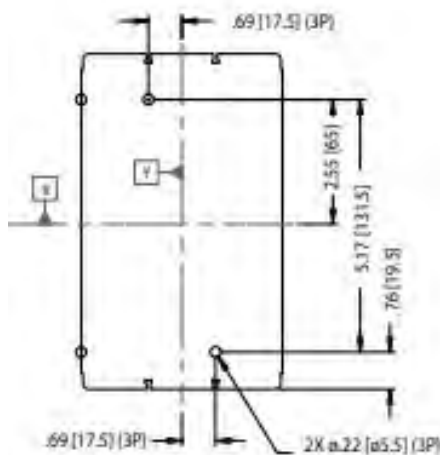
Side View

Mounting Dimensions

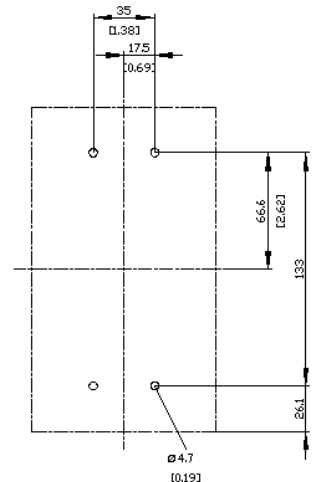
DG



FG



3VA52



Mounting Screws

DG	FG	3VA52
MSKF2	MSKF2	3VA9164-OSS00 - fixed mounting 3-4 pole

Replacement Strap Kits

	DG	FG	3VA52
Panelboard P1	–	–	MBKVA5262A – RP1 1PH Main/Subfeed kit 3VA52/61/62 – 250A max
Panelboard P1	–	–	MBKVA5262B – RP1 3PH Main/Subfeed kit 3VA52/61/62 – 250A max
Panelboard P2/P3	–	–	BBKVA5262P2S – Single Mount Branch Strap Kit – P2/P3 250A max
Panelboard P2/P3	–	–	BBKVA5262P2S – Horizontal or Vertical Single Mount – P2/P3
Panelboard P5	SDGD – Twin mount (5 in)	SFGD - Twin mount (5 in)	S3VA52TD – Twin mount (5 in)
Switchboard	SDGD – Twin mount (5 in)	SFGD - Twin mount (5 in)	S3VA52TD – Twin mount (5 in)

Enclosures

	DG/FG	3VA52
1 surface	FG6N1S	3VAE250N1S
1 flush	FG6N1F	3VAE250N1F
3R	FG6N3R	3VAE250N3R
12	FG6N12	3VAE250N12
4X	FG6N4X	3VAE250N4X (304)
	FG6N4X316	3VAE250N4X316 (316)
Neutral	N250X	N250X
200% Neutral	N2250X	N2250X

Lugs

			DG
Copper	6 3/0 1-hole (kit of three)	150 A	3TC1DG30
Aluminum	6 3/0 1-hole (kit of three)	150 A	3TA1DG30
Copper/ Aluminum	Compression 14 2/0 (kit of three)	150 A	3CLD20
			FG
Copper	4 350 kcmil 1-hole (kit of three)	250 A	3TCW1FG350
Aluminum	4 350 kcmil 1-hole (kit of three)	250 A	3TAW1FG350
Copper/ Aluminum	Compression 350 kcmil (kit of three)	250 A	3CLF350

			3VA52
Box Terminal	AWG 10 - 3/0 (kit of three)	250 A	3VA9233-0JA11
Box Terminal	AWG 4 - 350 kcmil (kit of three)	250 A	3VA9233-0JA12
Aluminum	AWG 14 - 1/0 (kit of three)	250 A	3VA9233-0JB11
Aluminum	AWG 6 - 350 kcmil (kit of three)	250 A	3VA9233-0JB12
Aluminum w/ control wire	AWG 14 - 1/0 (kit of three)	250 A	3VA9233-0JG11
Aluminum w/ control wire	AWG 6 - 350 kcmil (kit of three)	250 A	3VA9233-0JG12
Copper	AWG 14 - 1/0 (kit of three)	250 A	3VA9233-0JD11
Copper	AWG 6 - 350 kcmil (kit of three)	250 A	3VA9233-0JD12
Copper w/ control wire	AWG 14 - 1/0 (kit of three)	250 A	3VA9233-0JK11
Copper w/ control wire	AWG 6 - 350 kcmil (kit of three)	250 A	3VA9233-0JK12

Amperage Ratings

Amps																			
DG	–	–	–	–	–	–	–	50	60	70	80	90	100	110	125	150	–	–	–
FG	–	–	–	–	–	–	–	–	–	–	–	–	100	110	125	150	175	200	225
3VA52	15	20	25	30	35	40	45	50	60	70	80	90	100	110	125	150	175	200	225

Interrupting Ratings

DG/FG

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)								
		UL 489			IEC 60947-2			UL or IEC		
		Volts AC			Volts AC			Volts DC		
		240	480	600Y/347	240	415	690	250	500	600
					Icu/Ics	Icu/Ics	Icu/Ics			
N	NFGB/NDGB	65	35	18	65/65	40/40	12/6	30	18	–
H	HFGB/HDGB	100	65	18	100/75	70/70	12/6	30	18	42
L	LFGB/LDGB	200	100	18	200/150	100/75	12/6	30	18	–

3VA52

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)							
		Volts AC (50/60 Hz)					Volts DC		
		240	480Y/277V	480	600Y/347V	600	250	500	600 (3P)
M	MFAS	85	35	35	18	18	50	50	50
H	HFAS	100	65	65	25	25	85	85	85
C	CFAS	200	100	100	35	35	100	100	100

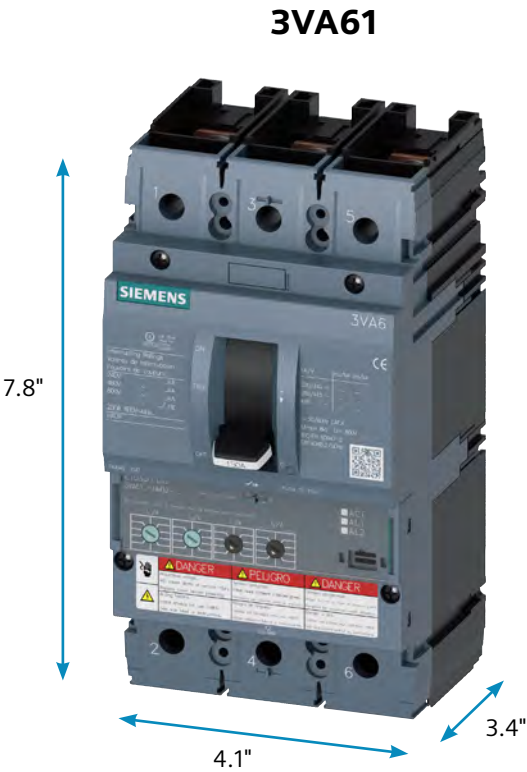
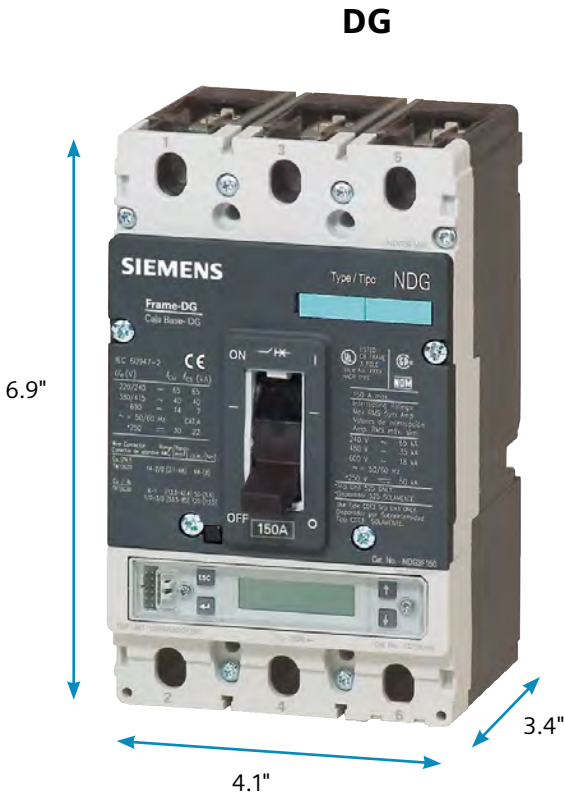
NOTE:

- For Internal and External accessory details, please see Speed Fax chapter 7.
- For Plug-in and Draw-out accessory, please see 3VA6 breaker (3VA Plug-in and Draw-out Technology section).
- Check out the new Universal Release Bracket accessory – undervoltage and shunt trip available in 12 V DC to 48 V DC (3VA Internal Accessories section).
- Series Ratings, please see Speed Fax chapter 7 (General Technical: Series Short Circuit Ratings section).
- When replacing a breaker, remember to ensure that the new breaker remain selective with any existing upstream or downstream breaker. The trip curves for Siemens breakers can be found on the SIOS website or compared with our EasyTCC.

VL vs 3VA

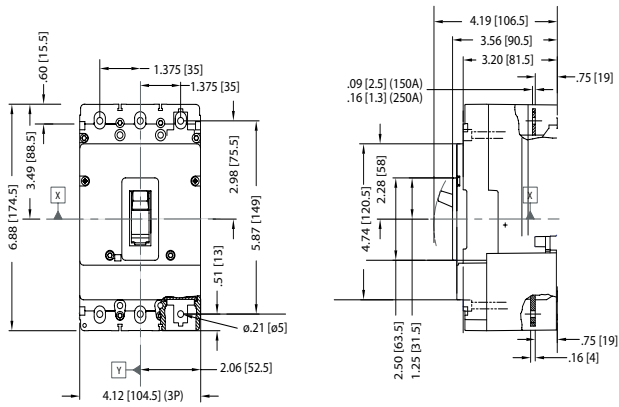
DG vs 3VA61

DG 60-150 A
3VA61 40-150 A



Dimensional Drawings

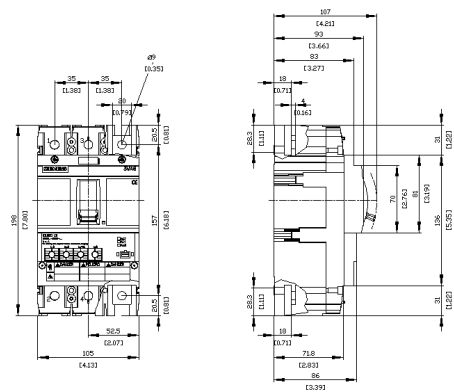
DG



Front View

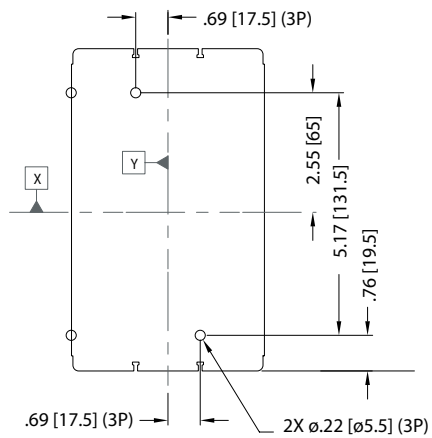
Side View

3VA61

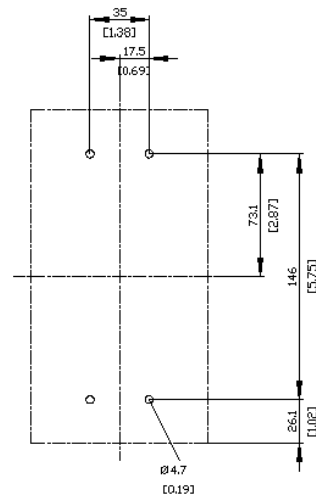


Front View

Side View



.69 [17.5] (3P) 2X Ø.22 [Ø5.5] (3P)



Ø4.7 [Ø119]

Mounting Drawings

Mounting Dimensions

Mounting Screws

DG	3VA61
MSKF2	3VA9126-OSS10

Replacement Strap Kits

	DG	3VA61
Panelboard P1	–	MBKVA5262A – RP1 1PH Main/Subfeed kit 3VA52/61/62 – 250A max
Panelboard P1	–	MBKVA5262B – RP1 3PH Main/Subfeed kit 3VA52/61/62 – 250A max
Panelboard P2/P3	–	BBKVA5262P2S – Single Mount Branch Strap Kit – P2/P3 250 A max
Panelboard P2/P3	–	BBKVA5262P2S – Horizontal or Vertical Single Mount – P2/P3
Panelboard P5	SDGD – Twin mount (5 in)	S3VA52TD – Twin mount (5 in)
Switchboard	SDGD – Twin mount (5 in)	S3VA52TD – Twin mount (5 in)

Enclosures

	DG	3VA61
1 surface	FG6N1S	3VAE250N1S
1 flush	FG6N1F	3VAE250N1F
3R	FG6N3R	3VAE250N3R
12	FG6N12	3VAE250N12
4X	FG6N4X	3VAE250N4X (304)
	FG6N4X316	3VAE250N4X316 (316)
Neutral	N250X	N250X
200% Neutral	N2250X	N2250X

Lugs

			DG
Copper	6 3/0 1-hole (kit of three)	150 A	3TC1DG30
Aluminum	6 3/0 1-hole (kit of three)	150 A	3TA1DG30
Copper/ Aluminum	Compression 14 2/0 (kit of three)	150 A	3CLD20

			3VA62
Box Terminal	AWG 10 - 3/0 (kit of three)	250 A	3VA9143-OJA12
Box Terminal	AWG 4 - 350 kcmil (kit of three)	250 A	3VA9243-OJA12
Aluminum	AWG 14 - 1/0 (kit of three)	250 A	3VA9143-OJB11
Aluminum	AWG 6 - 350 kcmil (kit of three)	250 A	3VA9243-OJB12
Aluminum w/ control wire	AWG 14 - 1/0 (kit of three)	250 A	3VA9143-OJG11
Aluminum w/ control wire	AWG 6 - 350 kcmil (kit of three)	250 A	3VA9243-OJG12
Copper	AWG 14 - 1/0 (kit of three)	250 A	3VA9143-OJD11
Copper	AWG 6 - 350 kcmil (kit of three)	250 A	3VA9243-OJD12
Copper w/ control wire	AWG 14 - 1/0 (kit of three)	250 A	3VA9143-OJK11
Copper w/ control wire	AWG 6 - 350 kcmil (kit of three)	250 A	3VA9243-OJK12

Amperage Ratings

	Amps			
DG	–	60	100	150
3VA61	40	60	100	150

Interrupting Ratings

DG

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)								
		UL 489			IEC 60947-2					
		Volts AC			Volts AC					
		240	480	600Y/347	240		415		690	
					Icu	Ics	Icu	Ics	Icu	Ics
N	NDGB	65	35	18	65	65	40	40	12	6
H	HDGB	100	65	18	100	75	70	70	12	6
L	LDGB	200	100	18	200	150	100	75	12	6

3VA61

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)				
		Volts AC (50/60 Hz)				
		240	480Y/277V	480	600Y/347V	600
M	MDAE	100	35	35	18	18
H	HDAE	100	65	65	22	22
C	CDAE	200	100	100	35	35
L	LDAE	200	150	150	50	50
E	EDAE	–	200	200	100	100

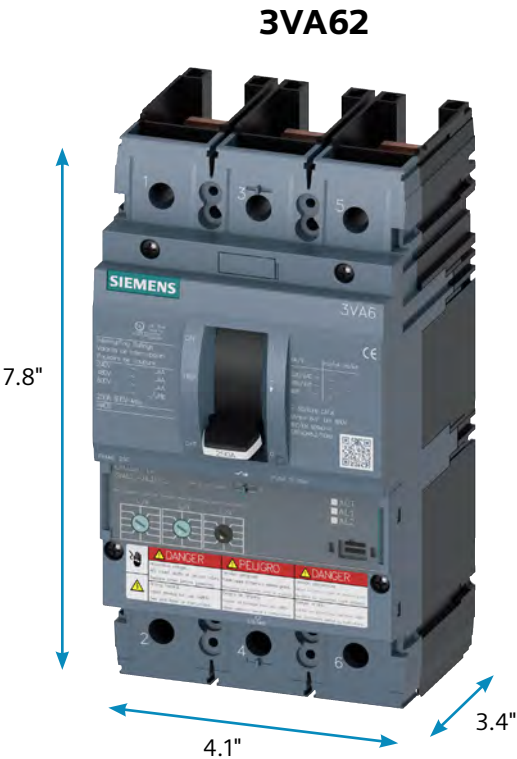
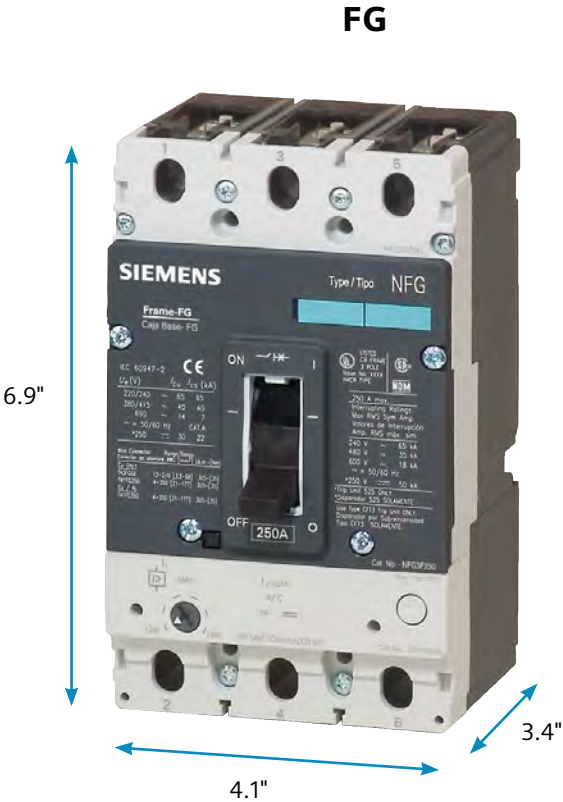
NOTE:

- For Internal and External accessory details, please see Speed Fax chapter 7.
- For Plug-in and Draw-out accessory, please see 3VA6 breaker (3VA Plug-in and Draw-out Technology section).
- Check out the new Universal Release Bracket accessory – undervoltage and shunt trip available in 12 V DC to 48 V DC (3VA Internal Accessories section).
- Series Ratings, please see Speed Fax chapter 7 (General Technical: Series Short Circuit Ratings section).
- When replacing a breaker, remember to ensure that the new breaker remain selective with any existing upstream or downstream breaker. The trip curves for Siemens breakers can be found on the SIOS website or compared with our EasyTCC.

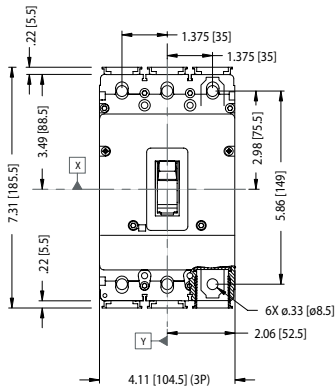
VL vs 3VA

FG vs 3VA62

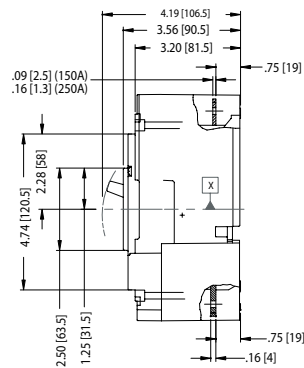
FG 100-250 A
3VA62 100-250 A



Dimensional Drawings

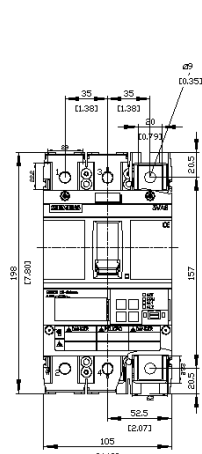
FG

Front View

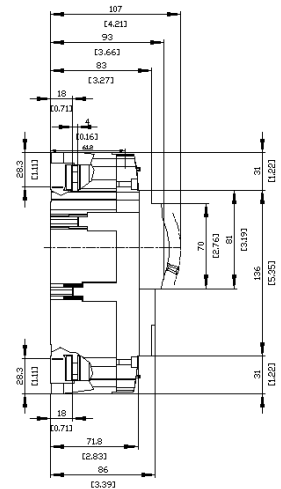


Side View

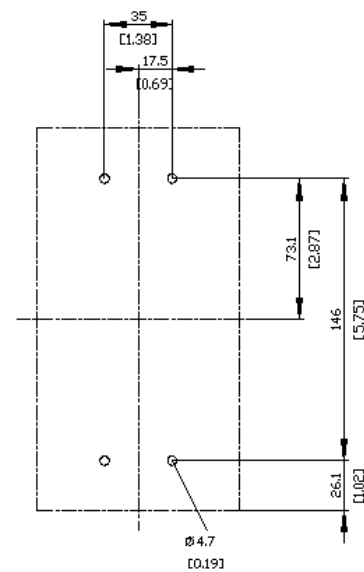
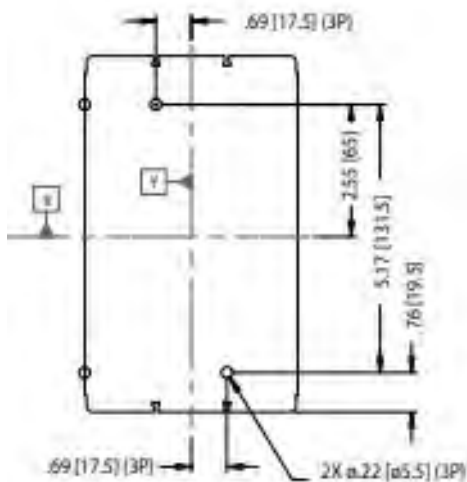
3VA62



Front View



Side View



Mounting Drawings

Mounting Dimensions

Mounting Screws

FG	3VA62
MSKF2	3VA9126-0SS10

Replacement Strap Kits

	FG	3VA62
Panelboard P1	–	MBKVA5262A – RP1 1PH Main/Subfeed kit 3VA52/61/62 – 250A max
Panelboard P1	–	MBKVA5262B – RP1 3PH Main/Subfeed kit 3VA52/61/62 – 250A max
Panelboard P2/P3	–	BBKVA5262P2S – Single Mount Branch Strap Kit – P2/P3 250 A max
Panelboard P2/P3	–	BBKVA5262P2S – Horizontal or Vertical Single Mount Hardware Kit – P2/P3
Panelboard P5	SFGD – Twin mount (5 in)	S3VA52TD – Twin mount (5 in)
Switchboard	SFGD – Twin mount (5 in)	S3VA52TD – Twin mount (5 in)

Enclosures

	FG	3VA62
1 surface	FG6N1S	3VAE250N1S
1 flush	FG6N1F	3VAE250N1F
3R	FG6N3R	3VAE250N3R
12	FG6N12	3VAE250N12
4X	FG6N4X	3VAE250N4X (304)
	FG6N4X316	3VAE250N4X316 (316)
Neutral	N250X	N250X
200% Neutral	N2250X	N2250X

Lugs

			FG
Copper	4 350 kcmil 1-hole (kit of three)	250 A	3TCW1FG350
Aluminum	4 350 kcmil 1-hole (kit of three)	250 A	3TAW1FG350
Copper/ Aluminum	Compression 350 kcmil (kit of three)	250 A	3CLF350

			3VA62
Box Terminal	AWG 10 - 3/0 (kit of three)	250 A	3VA9143-0JA12
Box Terminal	AWG 4 - 350 kcmil (kit of three)	250 A	3VA9243-0JA12
Aluminum	AWG 14 - 1/0 (kit of three)	250 A	3VA9143-0JB11
Aluminum	AWG 6 - 350 kcmil (kit of three)	250 A	3VA9243-0JB12
Aluminum w/ control wire	AWG 14 - 1/0 (kit of three)	250 A	3VA9143-0JG11
Aluminum w/ control wire	AWG 6 - 350 kcmil (kit of three)	250 A	3VA9243-0JG12
Copper	AWG 14 - 1/0 (kit of three)	250 A	3VA9143-0JD11
Copper	AWG 6 - 350 kcmil (kit of three)	250 A	3VA9243-0JD12
Copper w/ control wire	AWG 14 - 1/0 (kit of three)	250 A	3VA9143-0JK11
Copper w/ control wire	AWG 6 - 350 kcmil (kit of three)	250 A	3VA9243-0JK12

Amperage Ratings

	Amps		
FG	100	150	250
3VA62	100	–	250

Interrupting Ratings

FG

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)								
		UL 489			IEC 60947-2					
		Volts AC			Volts AC					
		240	480	600Y/347	240		415		690	
					Icu	Ics	Icu	Ics	Icu	Ics
N	NFGB	65	35	18	65	65	40	40	12	6
H	HFGB	100	65	18	100	75	70	70	12	6
L	LFGB	200	100	18	200	150	100	75	12	6

3VA62

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)				
		Volts AC (50/60 Hz)				
		240	480Y/277V	480	600Y/347V	600
M	MFAE	100	35	35	18	18
H	HFAE	100	65	65	22	22
C	CFAE	200	100	100	35	35
L	LFAE	200	150	150	50	50
E	EFAE	–	200	200	100	100

NOTE:

- For Internal and External accessory details, please see Speed Fax chapter 7.
- For Plug-in and Draw-out accessory, please see 3VA6 breaker (3VA Plug-in and Draw-out Technology section).
- Check out the new Universal Release Bracket accessory – undervoltage and shunt trip available in 12 V DC to 48 V DC (3VA Internal Accessories section).
- Series Ratings, please see Speed Fax chapter 7 (General Technical: Series Short Circuit Ratings section).
- When replacing a breaker, remember to ensure that the new breaker remain selective with any existing upstream or downstream breaker. The trip curves for Siemens breakers can be found on the SIOS website or compared with our EasyTCC.

VL vs 3VA

JG vs 3VA53

JG 250-400 A
3VA53 200-400 A

JG



3VA53



Mounting Dimensions

Mounting Screws

JG	3VA53
MSKL4	3VA9328-OSS10

Replacement Strap Kits

	JG	3VA53
Panelboard P1	–	MBKVA5363JD – RP1 400A JD to 3VA53/63 Retrofit kit 1ph/3ph
Panelboard P2/P3	–	–
Panelboard P5	SJG1D – Single mount (6.25 in) SJG2D – Twin mount (6.25 in)	S3VA53TD – Single mount (6.25 in)
Switchboard	SJG1D – Single mount (6.25 in) SJG2D – Twin mount (6.25 in)	S3VA53TD – Single mount (6.25 in)

Enclosures

	JG	3VA53
1 surface	–	3VAE6001S
1 flush	–	3VAE6001F
3R	–	3VAE6003R
12	–	3VAE60012
4X	–	3VAE6004X (304) 3VAE6004X316 (316)
Neutral	–	HN656ACB
200% Neutral	–	HN678ACB

Lugs

			JG
Copper	3/0 250 kcmil 2-hole (kit of three)	400 A	3TC2JG250
Aluminum	3/0 250 kcmil 2-hole (kit of three)	400 A	3TA2JG250
Copper/ Aluminum	Compression 350 kcmil (kit of three)	400 A	3CLJ350

			3VA53
Box Terminal	1/0 500 kcmil (kit of three)	600 A	3VA9473-0JA13
Aluminum	2/0 600 kcmil (kit of three)	600 A	3VA9373-0JB13
Aluminum w/ control wire	2/0 600 kcmil (kit of three)	600 A	3VA9373-0JG13
Copper	2/0 600 kcmil (kit of three)	600 A	3VA9373-0JD13
Copper w/ control wire	2/0 600 kcmil (kit of three)	600 A	3VA9373-0JK13

Amperage Ratings

Amps					
JG	–	250	300	350	400
3VA53	200	225	300	350	400

Interrupting Ratings

JG

Interrupting Class	Breaker Type	UL 489 AIR (File E10848)					IEC 60947-2					
		RMS Symmetrical Amperes (kA)										
		Volts AC (50/60 Hz)			Volts DC		Volts AC (50/60 Hz)					
		240	480	600	250	500	220/240		380/415		690	
							Icu	Ics	Icu	Ics	Icu	Ics
N	NJGA	65	35	25	30	25	65	65	40	40	12	6
H	HJGA	100	65	25	30	35	100	75	70	70	15	8
L	LJGA	200	100	25	30	35	200	150	100	75	15	8

3VA53

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)									
		Volts AC (50/60 Hz)					Volts DC				
		240	480Y/277V	480	600Y/347V	600	250 (2P)	600 (3P)	750 (3P)	750 (4P)	100 (4P)
M	MJAS	85	35	35	18	18	50	50	10	50	10
H	HJAS	100	65	65	25	25	85	85	10	85	10
C	CJAS	200	100	100	35	35	100	100	10	100	10

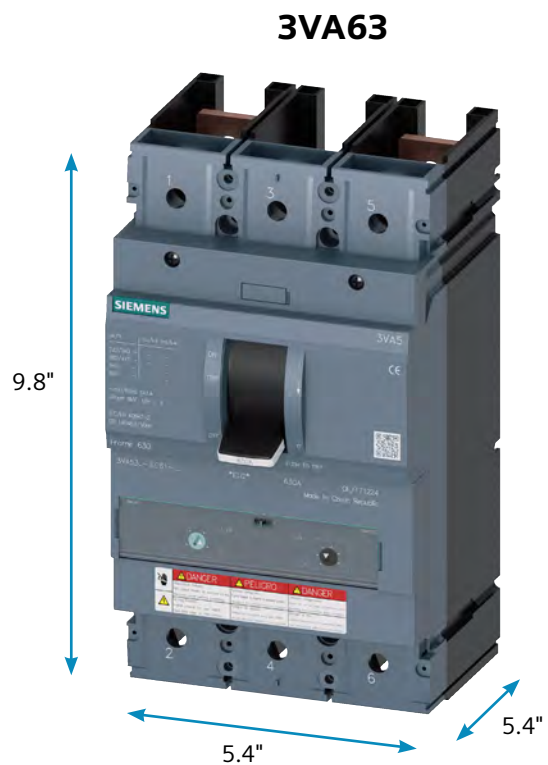
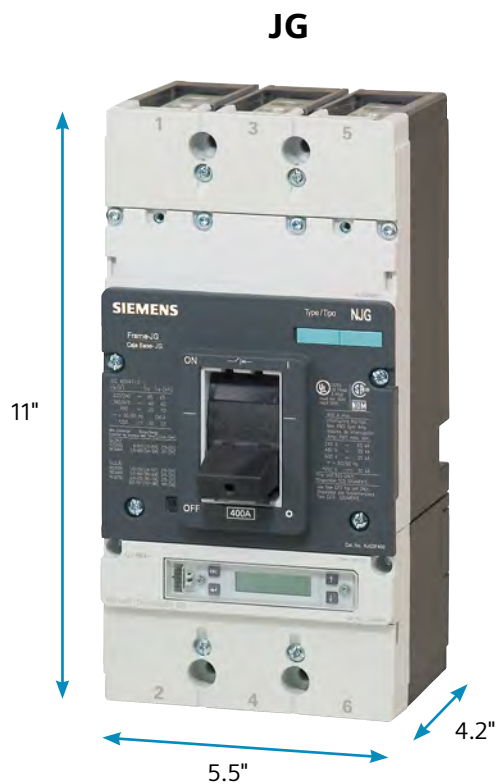
NOTE:

- For Internal and External accessory details, please see Speed Fax chapter 7.
- For Plug-in and Draw-out accessory, please see 3VA6 breaker (3VA Plug-in and Draw-out Technology section).
- Check out the new Universal Release Bracket accessory – undervoltage and shunt trip available in 12 V DC to 48 V DC (3VA Internal Accessories section).
- Series Ratings, please see Speed Fax chapter 7 (General Technical: Series Short Circuit Ratings section).
- When replacing a breaker, remember to ensure that the new breaker remain selective with any existing upstream or downstream breaker. The trip curves for Siemens breakers can be found on the SIOS website or compared with our EasyTCC.

VL vs 3VA

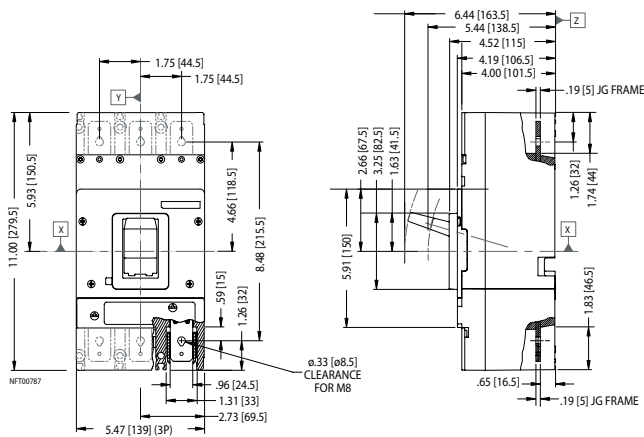
JG vs 3VA63

JG 250-400 A
3VA63 250-400 A



Dimensional Drawings

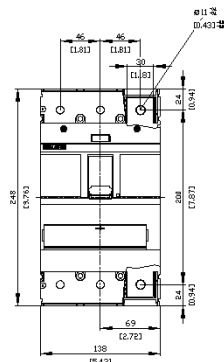
JG



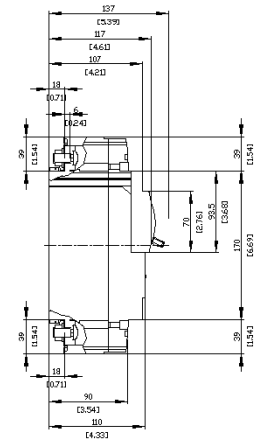
Front View

Side View

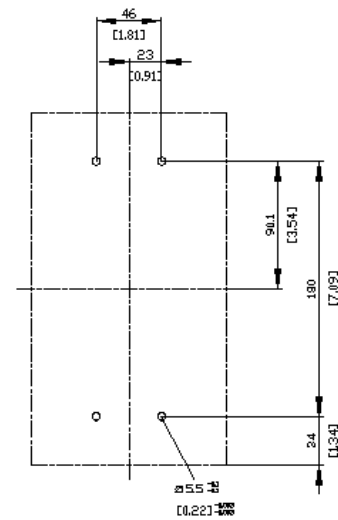
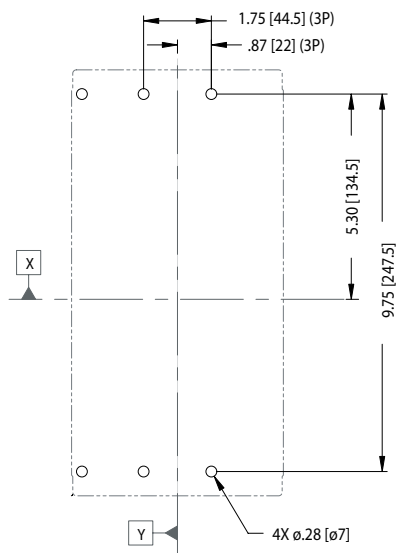
3VA63



Front View



Side View



Mounting Drawings

Mounting Dimensions

Mounting Screws

JG	3VA63
MSKL4	3VA9328-0SS10

Replacement Strap Kits

	JG	3VA63
Panelboard P1	–	MBKVA5363JD – RP1 400A JD to 3VA53/63 Retrofit kit 1ph/3ph
Panelboard P2/P3	–	–
Panelboard P5	SJG1D – Single mount (6.25 in) SJG2D – Twin mount (6.25 in)	S3VA53TD – Single mount (6.25 in)
Switchboard	SJG1D – Single mount (6.25 in) SJG2D – Twin mount (6.25 in)	S3VA53TD – Single mount (6.25 in)

Enclosures

	JG	3VA63
1 surface	–	3VAE6001S
1 flush	–	3VAE6001F
3R	–	3VAE6003R
12	–	3VAE60012
4X	–	3VAE6004X (304) 3VAE6004X316 (316)
Neutral	–	HN656ACB
200% Neutral	–	HN678ACB

Lugs

			JG
Copper	3/0 250 kcmil 2-hole (kit of three)	400 A	3TC2JG250
Aluminum	3/0 250 kcmil 2-hole (kit of three)	400 A	3TA2JG250
Copper/ Aluminum	Compression 350 kcmil (kit of three)	400 A	3CLJ350

			3VA63
Box Terminal	1/0 500 kcmil (kit of three)	600 A	3VA9473-0JA13
Aluminum	2/0 600 kcmil (kit of three)	600 A	3VA9373-0JB13
Aluminum w/ control wire	2/0 600 kcmil (kit of three)	600 A	3VA9373-0JG13
Copper	2/0 600 kcmil (kit of three)	600 A	3VA9373-0JD13
Copper w/ control wire	2/0 600 kcmil (kit of three)	600 A	3VA9373-0JK13

Amperage Ratings

	Amps	
JG	250	400
3VA63	250	400

Interrupting Ratings

JG

RMS Symmetrical amperes (kA)										
Interrupting Class	Breaker Type	UL 489			IEC 60947-2					
		Volts AC			Volts AC					
		240	480	600	240		415		690	
					Icu	Ics	Icu	Ics	Icu	Ics
N	NJGA	65	35	25	65	65	40	40	12	6
H	HJGA	100	65	25	100	75	70	70	15	8
L	LJGA	200	100	25	200	150	100	75	15	8

3VA63

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)				
		Volts AC (50/60 Hz)				
		240	480Y/277V	480	600Y/347V	600
M	MJAE	100	35	35	18	18
H	HJAE	100	65	65	22	22
C	CJAE	200	100	100	35	35
L	LJAE	200	150	150	50	50
E	EJAE	–	200	200	100	100

NOTE:

- For Internal and External accessory details, please see Speed Fax chapter 7.
- For Plug-in and Draw-out accessory, please see 3VA6 breaker (3VA Plug-in and Draw-out Technology section).
- Check out the new Universal Release Bracket accessory – undervoltage and shunt trip available in 12 V DC to 48 V DC (3VA Internal Accessories section).
- Series Ratings, please see Speed Fax chapter 7 (General Technical: Series Short Circuit Ratings section).
- When replacing a breaker, remember to ensure that the new breaker remain selective with any existing upstream or downstream breaker. The trip curves for Siemens breakers can be found on the SIOS website or compared with our EasyTCC.

VL vs 3VA

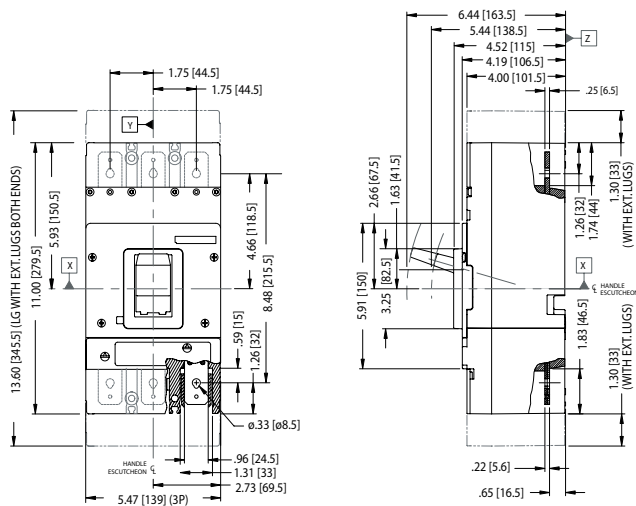
LG vs 3VA54

LG 400-600 A
3VA54 450-600 A



Dimensional Drawings

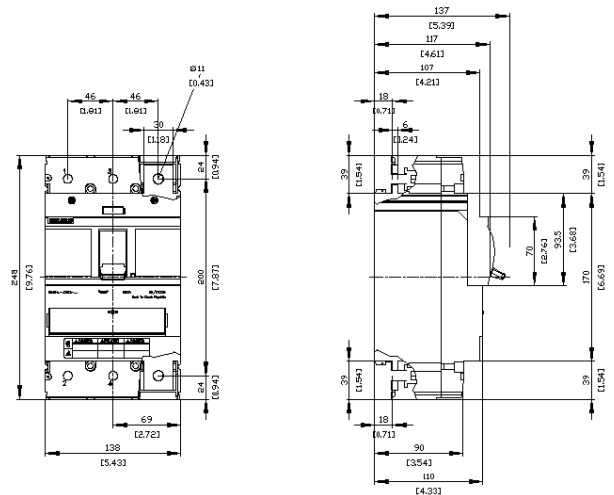
LG



Front View

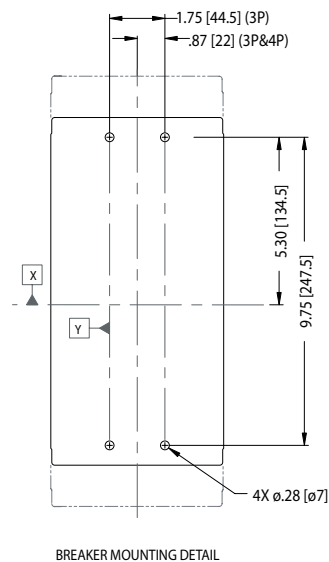
Side View

3VA54

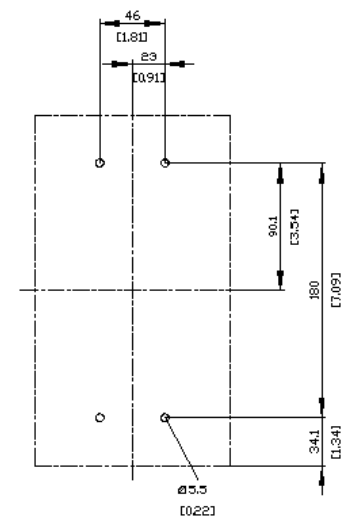


Front View

Side View



BREAKER MOUNTING DETAIL



Mounting Drawings

Mounting Dimensions

Mounting Screws

LG	3VA54
MSKL4	3VA9162-OSS10

Replacement Strap Kits

	LG	3VA54
Panelboard P1	–	–
Panelboard P1	–	–
Panelboard P2/P3	–	–
Panelboard P2/P3	–	–
Panelboard P5	SLGD – Single mount (6.25 in)	S3VA54TD – Single mount (6.25 in)
Switchboard	SLGD – Single mount (6.25 in)	S3VA54TD – Single mount (6.25 in)

Enclosures

	LG	3VA54
1 surface	–	3VAE6001S
1 flush	–	3VAE6001F
3R	–	3VAE6003R
12	–	3VAE60012
4X	–	3VAE6004X (304)
		3VAE6004X316 (316)
Neutral	–	HN656ACB
200% Neutral	–	HN678ACB

Lugs

			LG
Copper	2-600 kcmil 2-hole (kit of three)	600 A	3TC2LG600LD
Aluminum	2-600 kcmil 2-hole (kit of three)	600 A	3TA2LG600LD
Copper/ Aluminum	Compression 6-350 kcmil (kit of three)	600 A	6CLL350

			3VA54
Box Terminal	1/0 500 kcmil (kit of three)	600 A	3VA9473-OJA13
Aluminum	2/0 600 kcmil (kit of three)	600 A	3VA9373-OJB13
Aluminum w/ control wire	2/0 600 kcmil (kit of three)	600 A	3VA9373-OJG13
Copper	2/0 600 kcmil (kit of three)	600 A	3VA9373-OJD13
Copper w/ control wire	2/0 600 kcmil (kit of three)	600 A	3VA9373-OJK13

Amperage Ratings

	Amps			
LG	400	–	500	600
3VA54	–	450	500	600

Interrupting Ratings

LG

Interrupting Class	Breaker Type	UL 489					IEC 60947-2					
		RMS Symmetrical Amperes (kA)										
		Volts AC (50/60 Hz)			Volts DC		Volts AC (50/60 Hz)					
		240	480	600	250	500	220/240		380/415		690	
							Icu	Ics	Icu	Ics	Icu	Ics
N	NLGB	65	35	18	30	25	65	65	45	45	12	6
H	HLGB	100	65	18	30	35	100	75	70	70	15	8
L	LLGB	200	100	18	30	35	200	150	100	75	15	8

3VA54

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)									
		Volts AC (50/60 Hz)					Volts DC				
		240	480Y/277V	480	600Y/347V	600	250 (2P)	600 (3P)	750 (3P)	750 (4P)	1000 (4P)
M	MLAS	85	35	35	18	18	50	50	10	50	10
H	HLAS	100	65	65	25	25	85	85	10	85	10
C	CLAS	200	100	100	35	35	100	100	10	100	10

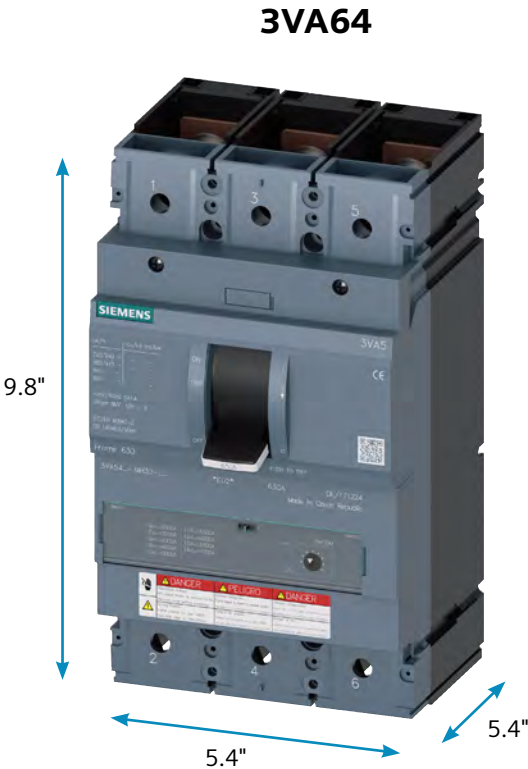
NOTE:

- For Internal and External accessory details, please see Speed Fax chapter 7.
- Check out the new Universal Release Bracket accessory – undervoltage and shunt trip available in 12 V DC to 48 V DC (3VA Internal Accessories section).
- Series Ratings, please see Speed Fax chapter 7 (General Technical: Series Short Circuit Ratings section).
- When replacing a breaker, remember to ensure that the new breaker remain selective with any existing upstream or downstream breaker. The trip curves for Siemens breakers can be found on the SIOS website or compared with our EasyTCC.

VL vs 3VA

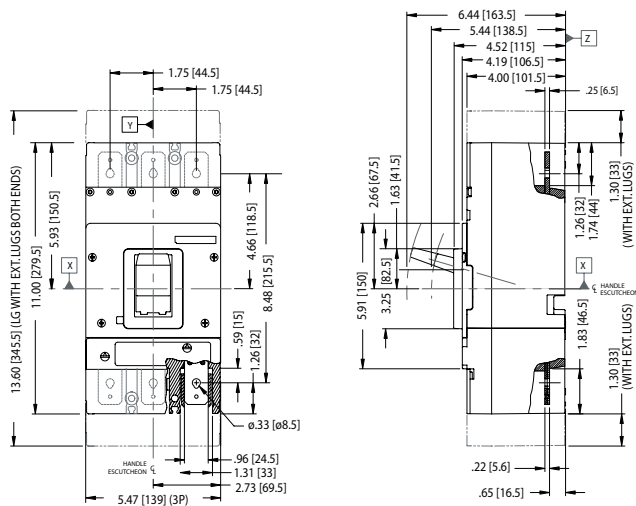
LG vs 3VA64

LG 400-600 A
3VA64 400-600 A



Dimensional Drawings

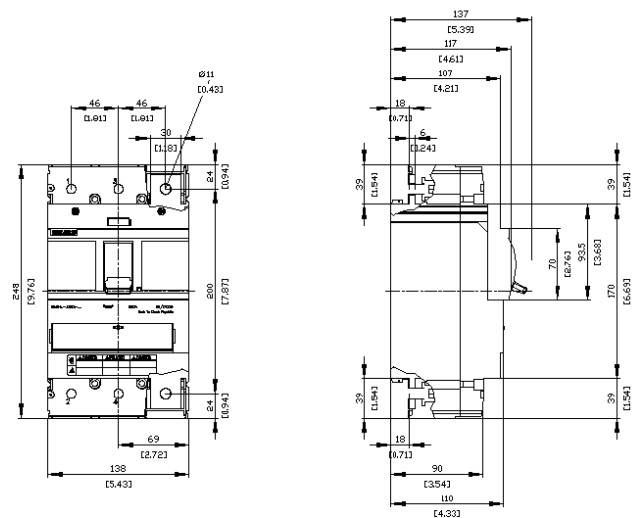
LG



Front View

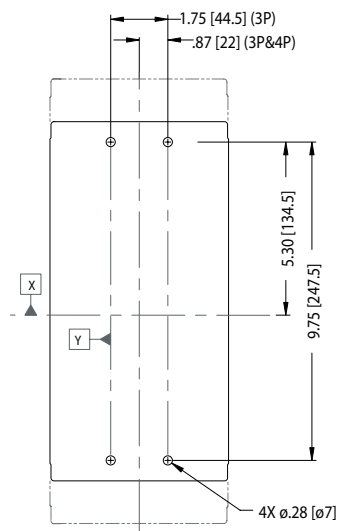
Side View

3VA64

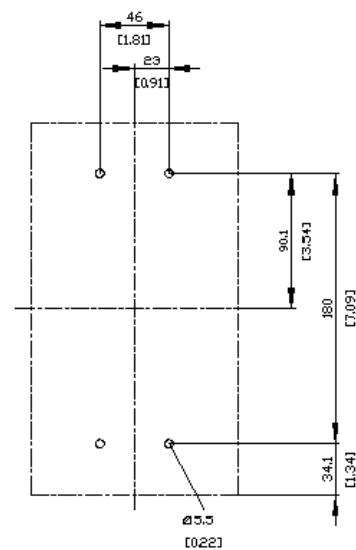


Front View

Side View



BREAKER MOUNTING DETAIL



Mounting Drawings

Mounting Dimensions

Mounting Screws

LG	3VA64
MSKL4	3VA9126-0SS10

Replacement Strap Kits

	LG	3VA64
Panelboard P1	–	–
Panelboard P2/P3	–	–
Panelboard P5	SLGD – Single mount (6.25 in)	S3VA54TD – Single mount (6.25 in)
Switchboard	SLGD – Single mount (6.25 in)	S3VA54TD – Single mount (6.25 in)

Enclosures

	LG	3VA64
1 surface	–	3VAE6001S
1 flush	–	3VAE6001F
3R	–	3VAE6003R
12	–	3VAE60012
4X	–	3VAE6004X (304) 3VAE6004X316 (316)
Neutral	–	HN656ACB
200% Neutral	–	HN678ACB

Lugs

			LG
Copper	2-600 kcmil 2-hole (kit of three)	600 A	3TC2LG600LD
Aluminum	2-600 kcmil 2-hole (kit of three)	600 A	3TA2LG600LD
Copper/ Aluminum	Compression 6-350 kcmil (kit of three)	600 A	6CLL350

			3VA64
Box Terminal	1/0 500 kcmil (kit of three)	600 A	3VA9473-0JA13
Aluminum	2/0 600 kcmil (kit of three)	600 A	3VA9373-0JB13
Aluminum w/ control wire	2/0 600 kcmil (kit of three)	600 A	3VA9373-0JG13
Copper	2/0 600 kcmil (kit of three)	600 A	3VA9373-0JD13
Copper w/ control wire	2/0 600 kcmil (kit of three)	600 A	3VA9373-0JK13

Amperage Ratings

	Amps	
LG	400	600
3VA64	400	600

Interrupting Ratings

LG

Interrupting Class	Breaker Type	UL 489 AIR (File E10848)			IEC 60947-2					
		RMS Symmetrical Amperes (kA)								
		Volts AC (50/60 Hz)			Volts AC (50/60 Hz)					
		240	480	600	220/240		380/415		690	
					Icu	Ics	Icu	Ics	Icu	Ics
N	NLGB	65	35	18	65	65	45	45	12	6
H	HLGB	100	65	18	100	75	70	70	15	8
L	LLGB	200	100	18	200	150	100	75	15	8

3VA64

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)				
		Volts AC (50/60 Hz)				
		240	480Y/277V	480	600Y/347V	600
M	MLAE	100	35	35	18	18
H	HLAE	100	65	65	22	22
C	CLAE	200	100	100	35	35
L	LLAE	200	150	150	50	50
E	ELAE	–	200	200	100	100

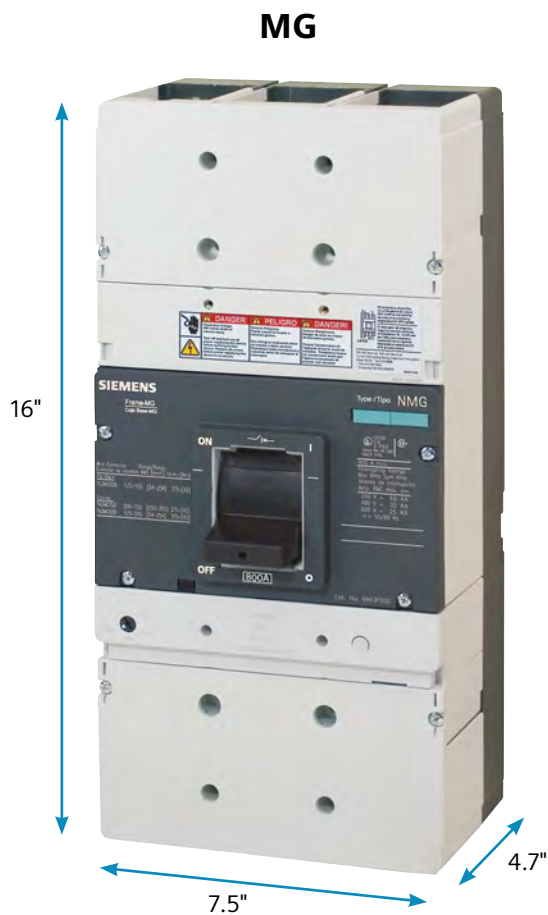
NOTE:

- For Internal and External accessory details, please see Speed Fax chapter 7.
- For Plug-in and Draw-out accessory, please see 3VA6 breaker (3VA Plug-in and Draw-out Technology section).
- Check out the new Universal Release Bracket accessory – undervoltage and shunt trip available in 12 V DC to 48 V DC (3VA Internal Accessories section).
- Series Ratings, please see Speed Fax chapter 7 (General Technical: Series Short Circuit Ratings section).
- When replacing a breaker, remember to ensure that the new breaker remain selective with any existing upstream or downstream breaker. The trip curves for Siemens breakers can be found on the SIOS website or compared with our EasyTCC.

VL vs 3VA

MG vs 3VA55

MG 600-800 A
3VA55 600-800 A



Mounting Dimensions

Mounting Screws

MG	3VA55	
	SAE	Metric
MSKM4	3VA9874-0SS00	3VA9874-0SS10

Replacement Strap Kits

	MG	3VA55
Panelboard P1	–	–
Panelboard P2/P3	–	–
Panelboard P5	MG1D – Single mount (8.75 in)	S3VA55TD – Single mount (8.75 in)
Switchboard	MG1D – Single mount (8.75 in)	S3VA55TD – Single mount (8.75 in)

Enclosures

	MG	3VA55
1 surface	–	3VAE8001S
1 flush	–	3VAE8001F
3R	–	3VAE8003R
12	–	3VAE80012
4X	–	3VAE8004X (304) 3VAE8004X316 (316)
Neutral	–	HN656ACB
200% Neutral	–	HN678ACB

Lugs

			MG
Copper	1/0-500 kcmil Cu	800 A	TC3MG500
Aluminum	1/0-500 kcmil Al/Cu	800 A	3TA3MG500
Copper/ Aluminum	2-600 kcmil Al/Cu	800 A	3TA3MG600

Connections for 75C wire for 3VA55, 3VA65 and 3VA66

Type	Minimum cable size	Maximum cable size		Part Number (kit of 3 lugs)	Part Number (kit of 4 lugs)
Aluminum body lug, 2 cables (Cu/Al cable)	4/0	600 kcmil	1000 A	3VA9573-0JB23	3VA9574-0JB23
Aluminum body lug, 2 cables (Cu/Al cable) with control wire tap	4/0	600 kcmil	1000 A	3VA9573-0JG23	3VA9574-0JG23
Aluminum body lug, 2 cables (Cu/Al cable) with 1 extended terminal cover	400 kcmil	750 kcmil	1000 A	3VA9673-0JJ24	3VA9674-0JJ24
Aluminum body lug, 2 cables (Cu/Al cable) with control wire tap and 1 extended terminal cover	400 kcmil	750 kcmil	1000 A	3VA9673-0JC24	3VA9674-0JC24
Aluminum body lug, 3 cables (Cu/Al cable)	4/0	400 kcmil	1000 A	3VA9673-0JB32	3VA9674-0JB32
Aluminum body lug, 3 cables (Cu/Al cable) with control wire tap	4/0	400 kcmil	1000 A	3VA96 73-0JG32	3VA9674-0JG32
Aluminum body lug, 3 cables (Cu/Al cable) with 1 extended terminal cover	500 kcmil	750 kcmil	1000 A	3VA9673-0JJ34	3VA9674-0JJ34
Aluminum body lug, 3 cables (Cu/Al cable) with control wire tap and 1 extended terminal cover	500 kcmil	750 kcmil	1000 A	3VA9673-0JC34	3VA9674-0JC34
Aluminum body lug, 4 cables (Cu/Al cable) with 1 extended terminal cover	4/0	500 kcmil	1000 A	3VA9673-0JJ43	3VA9674-0JJ43
Aluminum body lug, 4 cables (Cu/Al cable) with control wire tap and 1 extended terminal cover	4/0	500 kcmil	1000 A	3VA9673-0JC43	3VA9674-0JC43
Aluminum body lug, 4 cables (Cu/Al cable) with 1 extended terminal cover	4/0	600 kcmil	1000 A	3VA9673-0JJ44	3VA9674-0JJ44
Aluminum body lug, 4 cables (Cu/Al cable) with control wire tap and 1 extended terminal cover	4/0	600 kcmil	1000 A	3VA9673-0JC44	3VA9674-0JC44
Copper body lug, 3 cables (Cu/Al cable) with control wire tap	4/0	400 kcmil	1000 A	3VA9673-0JK32	3VA9674-0JK32
Copper body lug, 4 cables (Cu/Al cable) with control wire tap and 1 extended terminal cover	4/0	500 kcmil	1000 A	3VA9673-0JL43	3VA9674-0JL43

Amperage Ratings

	Amps		
MG	600	700	800
3VA55	600	700	800

Interrupting Ratings

MG

Interrupting Class	Breaker Type	UL 489					IEC 60947-2						
		RMS Symmetrical Amperes (kA)											
		Volts AC (50/60 Hz)			Volts DC		Volts AC (50/60 Hz)						
		240	480	600	250	500	220/240		380/415		690		
							Icu	Ics	Icu	Ics	Icu	Ics	
N	NMG	65	35	25	22	35	65	65	50	50	20	10	
H	HMG	100	65	35	25	50	100	75	70	70	30	15	
L	LMG	200	100	50	42	65	200	150	100	75	35	17	

3VA55

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)									
		Volts AC (50/60 Hz)					Volts DC				
		240	480Y/277V	480	600Y/347V	600	250 (2P)	600 (3P)	750 (3P)	750 (4P)	1000 (4P)
M	MMAS	85	35	35	18	18	50	50	50	50	18
H	HMAS	100	65	65	25	25	85	85	85	85	25
C	CMAS	200	100	100	50	50	100	100	100	100	50

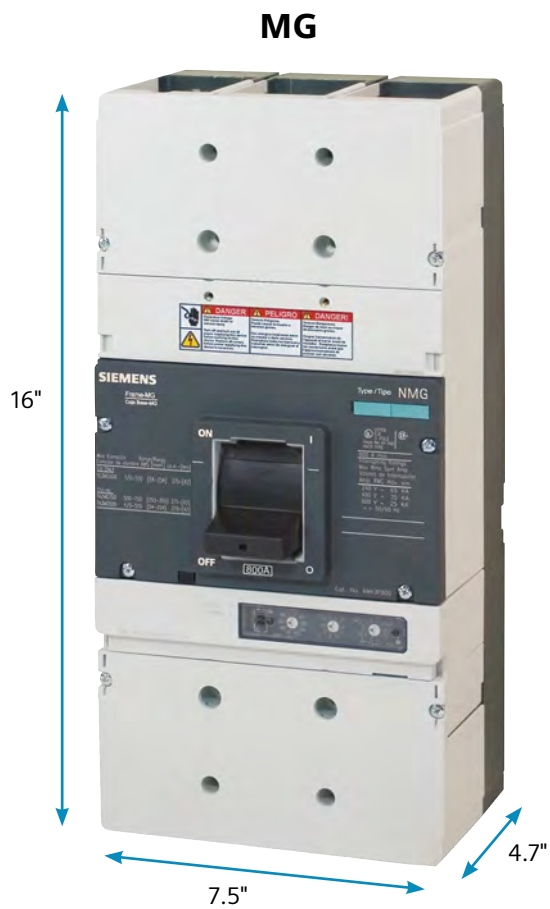
NOTE:

- For Internal and External accessory details, please see Speed Fax chapter 7.
- For Plug-in and Draw-out accessory, please see 3VA6 breaker (3VA Plug-in and Draw-out Technology section).
- Check out the new Universal Release Bracket accessory – undervoltage and shunt trip available in 12 V DC to 48 V DC (3VA Internal Accessories section).
- Series Ratings, please see Speed Fax chapter 7 (General Technical: Series Short Circuit Ratings section).
- When replacing a breaker, remember to ensure that the new breaker remain selective with any existing upstream or downstream breaker. The trip curves for Siemens breakers can be found on the SIOS website or compared with our EasyTCC.

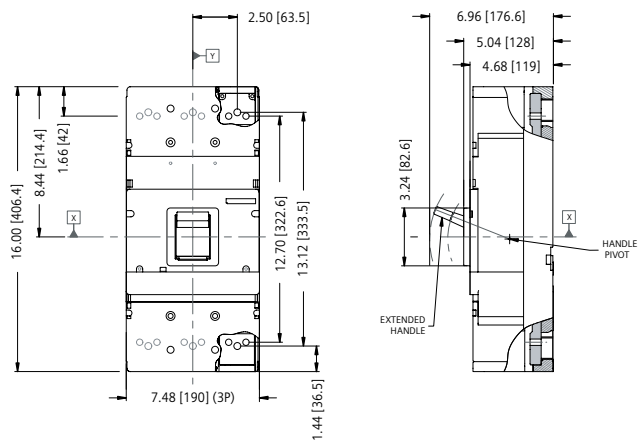
VL vs 3VA

MG vs 3VA65

MG 600-800 A
3VA65 600-800 A



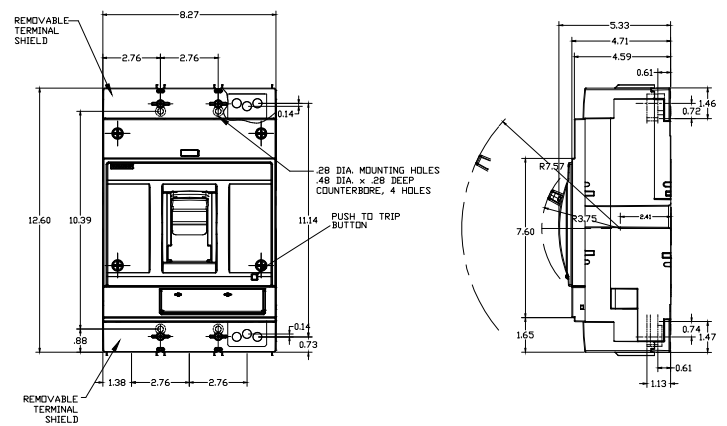
Dimensional Drawings

MG

Front View

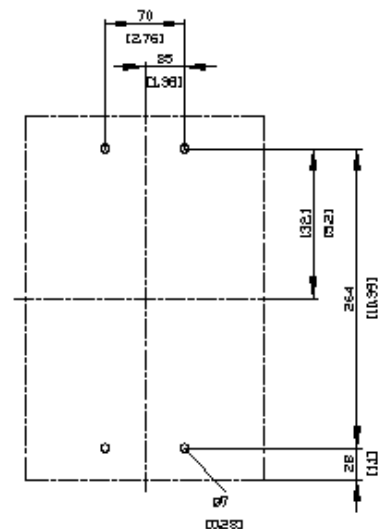
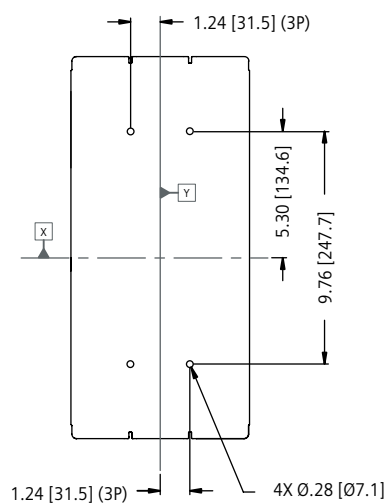
Side View

3VA65



Front View

Side View



Mounting Drawings

Mounting Dimensions

Mounting Screws

MG	3VA65	
	SAE	Metric
MSKM4	3VA9874-0SS00	3VA9874-0SS10

Replacement Strap Kits

	MG	3VA65
Panelboard P1	–	–
Panelboard P2/P3	–	–
Panelboard P5	MG1D – Single mount (8.75 in)	S3VA55TD – Single mount (8.75 in)
Switchboard	MG1D – Single mount (8.75 in)	S3VA55TD – Single mount (8.75 in)

Enclosures

	MG	3VA65
1 surface	–	3VAE8001S
1 flush	–	3VAE8001F
3R	–	3VAE8003R
12	–	3VAE80012
4X	–	3VAE8004X (304) 3VAE8004X316 (316)
Neutral	–	HN656ACB
200% Neutral	–	HN678ACB

Lugs

			MG
Copper	1/0-500 kcmil Cu	800 A	TC3MG500
Aluminum	1/0-500 kcmil Al/Cu	800 A	3TA3MG500
Copper/Aluminum	2-600 kcmil Al/Cu	800 A	3TA3MG600

Connections for 75C wire for 3VA55, 3VA65 and 3VA66

Type	Minimum cable size	Maximum cable size		Part Number (kit of 3 lugs)	Part Number (kit of 4 lugs)
Aluminum body lug, 2 cables (Cu/Al cable)	4/0	600 kcmil	1000 A	3VA9573-0JB23	3VA9574-0JB23
Aluminum body lug, 2 cables (Cu/Al cable) with control wire tap	4/0	600 kcmil	1000 A	3VA9573-0JG23	3VA9574-0JG23
Aluminum body lug, 2 cables (Cu/Al cable) with 1 extended terminal cover	400 kcmil	750 kcmil	1000 A	3VA9673-0JJ24	3VA9674-0JJ24
Aluminum body lug, 2 cables (Cu/Al cable) with control wire tap and 1 extended terminal cover	400 kcmil	750 kcmil	1000 A	3VA9673-0JC24	3VA9674-0JC24
Aluminum body lug, 3 cables (Cu/Al cable)	4/0	400 kcmil	1000 A	3VA9673-0JB32	3VA9674-0JB32
Aluminum body lug, 3 cables (Cu/Al cable) with control wire tap	4/0	400 kcmil	1000 A	3VA96 73-0JG32	3VA9674-0JG32
Aluminum body lug, 3 cables (Cu/Al cable) with 1 extended terminal cover	500 kcmil	750 kcmil	1000 A	3VA9673-0JJ34	3VA9674-0JJ34
Aluminum body lug, 3 cables (Cu/Al cable) with control wire tap and 1 extended terminal cover	500 kcmil	750 kcmil	1000 A	3VA9673-0JC34	3VA9674-0JC34
Aluminum body lug, 4 cables (Cu/Al cable) with 1 extended terminal cover	4/0	500 kcmil	1000 A	3VA9673-0JJ43	3VA9674-0JJ43
Aluminum body lug, 4 cables (Cu/Al cable) with control wire tap and 1 extended terminal cover	4/0	500 kcmil	1000 A	3VA9673-0JC43	3VA9674-0JC43
Aluminum body lug, 4 cables (Cu/Al cable) with 1 extended terminal cover	4/0	600 kcmil	1000 A	3VA9673-0JJ44	3VA9674-0JJ44
Aluminum body lug, 4 cables (Cu/Al cable) with control wire tap and 1 extended terminal cover	4/0	600 kcmil	1000 A	3VA9673-0JC44	3VA9674-0JC44
Copper body lug, 3 cables (Cu/Al cable) with control wire tap	4/0	400 kcmil	1000 A	3VA9673-0JK32	3VA9674-0JK32
Copper body lug, 4 cables (Cu/Al cable) with control wire tap and 1 extended terminal cover	4/0	500 kcmil	1000 A	3VA9673-0JL43	3VA9674-0JL43

Amperage Ratings

	Amps		
MG	600	700	800
3VA65	600	–	800

Interrupting Ratings

MG

Interrupting Class	Breaker Type	UL 489			IEC 60947-2					
		RMS Symmetrical Amperes (kA)								
		Volts AC (50/60 Hz)			Volts AC (50/60 Hz)					
		240	480	600	220/240		380/415		690	
					Icu	Ics	Icu	Ics	Icu	Ics
N	NMG	65	35	25	65	65	50	50	20	10
H	HMG	100	65	35	100	75	70	70	30	15
L	LMG	200	100	50	200	150	100	75	35	17

3VA65

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)				
		Volts AC (50/60 Hz)				
		240	480Y/277V	480	600Y/347V	600
M	MMAE	100	35	35	25	25
H	HMAE	150	65	65	35	35
C	CMAE	200	100	100	50	50

NOTE:

- For Internal and External accessory details, please see Speed Fax chapter 7.
- For Plug-in and Draw-out accessory, please see 3VA6 breaker (3VA Plug-in and Draw-out Technology section).
- Check out the new Universal Release Bracket accessory – undervoltage and shunt trip available in 12 V DC to 48 V DC (3VA Internal Accessories section).
- Series Ratings, please see Speed Fax chapter 7 (General Technical: Series Short Circuit Ratings section).
- When replacing a breaker, remember to ensure that the new breaker remain selective with any existing upstream or downstream breaker. The trip curves for Siemens breakers can be found on the SIOS website or compared with our EasyTCC.

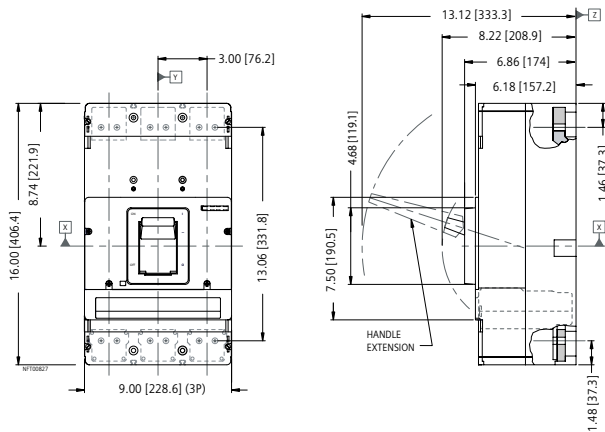
VL vs 3VA

NG vs 3VA57

NG 800-1200 A
3VA57 800-1200 A



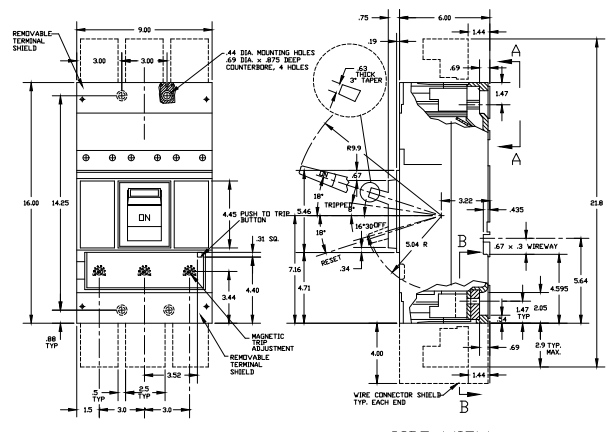
Dimensional Drawings

NG

Front View

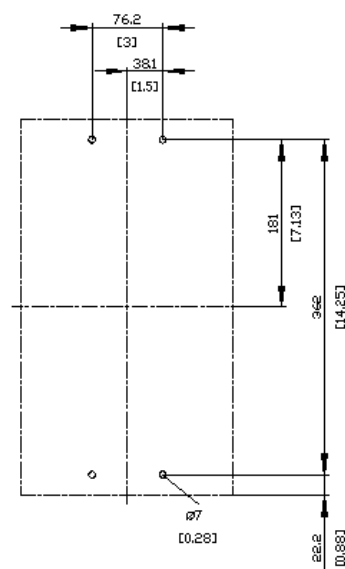
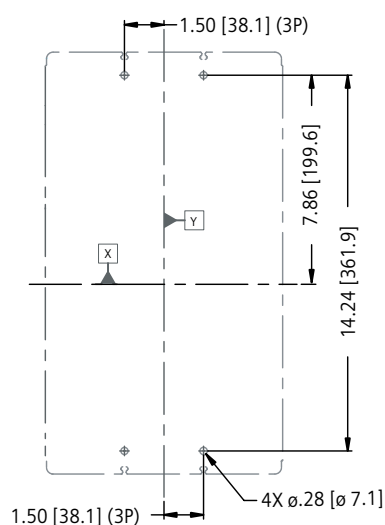
Side View

3VA57



Front View

Side View



Mounting Drawings

Mounting Dimensions

Mounting Screws

NG	3VA57	
	SAE	Metric
MSKP4	3VA9874-0SS00	3VA9874-0SS10

Lugs

			NG
Copper	1/0-500 kcmil Cu	1200 A	3TC4NG500
Aluminum	500-750 kcmil Al/Cu	1200 A	3TA3NG750
Copper/Aluminum	1/0-500 kcmil Al/Cu	1200 A	3TA4NG500

Connections for 75C wire for 3VA57 and 3VA67

Type	Minimum Cable Size	Maximum Cable Size	Part Number (kit of 2 lugs)		Part Number (kit of 3 lugs)	Mount Lugs to Essential Parts
TA6.1 Aluminum body lug, 3 cables (Cu/Al cable) with 1 extended terminal cover	500 kcmil	750 kcmil	3VA9772-0JJ34	1200 A	3VA9773-0JJ34	
TA6.2 Aluminum body lug, 4 cables (Cu/Al cable) with 1 extended terminal cover	1/0	500 kcmil	3VA9772-0JJ43	1200 A	3VA9773-0JJ43	
TA6.2 Aluminum body lug with CVT, 4 cables (Cu/Al cable) with control wire tap and 1 extended terminal cover	1/0	500 kcmil	—	1200 A	3VA9773-0JC43	
TA6.3 Aluminum body lug, 4 cables (Cu/Al cable) with 1 extended terminal cover, 100% rated	1/0	500 kcmil	—	1200 A	3VA9773-0JM43	
TC6.2 Copper body lug (Cu cable only) 4 cable lugs	1/0	500 kcmil	—	1200 A	3VA9773-0JE43	
TA7.1 Aluminum body lug, 6 cables (Cu/Al cable) for lug mounting assembly	1/0	750 kcmil	—	1600 A	3VA9773-0JJ64	3VA9873-0WL00
CL1.7 Compression lug, 12 pcs, 4 per phase line or load (Cu/Al cable), with extended terminal cover	1/0	500 kcmil	—	1200 A	3VA9773-0QK01	

Amperage Ratings

	Amps			
NG	800	900	1000	1200
3VA57	800	900	1000	1200

Interrupting Ratings

NG

Interrupting Class	Breaker Type	UL 489					IEC 60947-2					
		RMS Symmetrical Amperes (kA)										
		Volts AC (50/60 Hz)			Volts DC		Volts AC (50/60 Hz)					
		240	480	600	250	500	220/240		380/415		690	
						Icu	Ics	Icu	Ics	Icu	Ics	
N	NNG	65	35	25	22	35	65	35	50	25	20	10
H	HNG	100	65	35	25	50	100	50	70	35	30	15
L	LNG	200	100	65	42	65	200	100	100	50	35	17

3VA57

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)							
		Volts AC (50/60 Hz)					Volts DC		
		240	480Y/277V	480	600Y/347V	600	250 (2P)	600 (3P)	750 (3P)
M	MNAS	85	35	35	25	25	50	50	50
H	HNAS	100	65	65	35	35	85	85	85
C	CNAS	200	100	100	65	65	100	100	100

NOTE:

- For Internal and External accessory details, please see Speed Fax chapter 7.
- For Plug-in and Draw-out accessory, please see 3VA6 breaker (3VA Plug-in and Draw-out Technology section).
- Check out the new Universal Release Bracket accessory – undervoltage and shunt trip available in 12 V DC to 48 V DC (3VA Internal Accessories section).
- Series Ratings, please see Speed Fax chapter 7 (General Technical: Series Short Circuit Ratings section).
- When replacing a breaker, remember to ensure that the new breaker remain selective with any existing upstream or downstream breaker. The trip curves for Siemens breakers can be found on the SIOS website or compared with our EasyTCC.

VL vs 3VA

NG vs 3VA67

NG 800-1200 A
3VA67 800-1200 A

NG

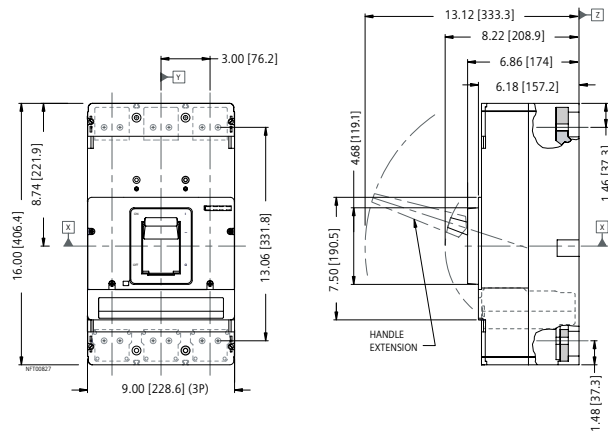


3VA67



Dimensional Drawings

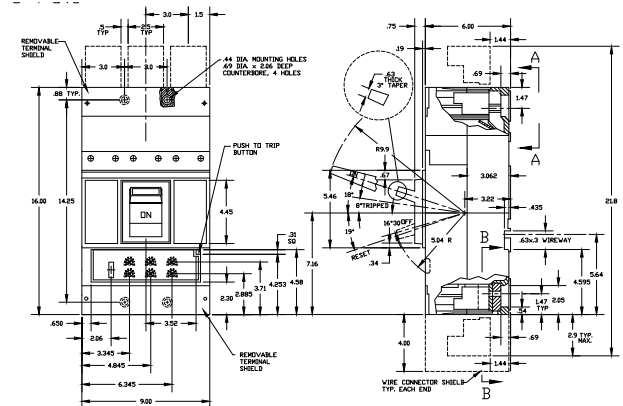
NG



Front View

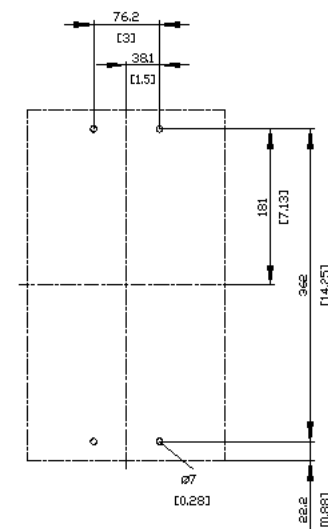
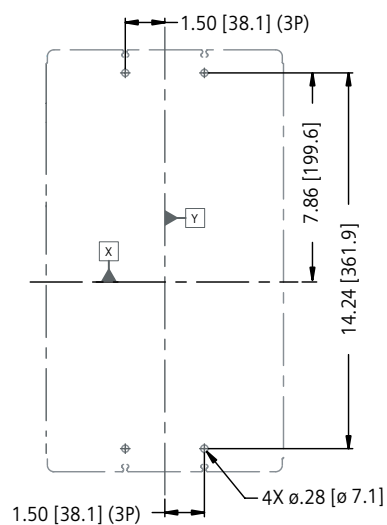
Side View

3VA67



Front View

Side View



Mounting Drawings

Mounting Dimensions

Mounting Screws

NG	3VA67	
	SAE	Metric
MSKP4	3VA9874-0SS00	3VA9874-0SS10

Lugs

			NG
Copper	1/0-500 kcmil Cu	1200 A	3TC4NG500
Aluminum	500-750 kcmil Al/Cu	1200 A	3TA3NG750
Copper/Aluminum	1/0-500 kcmil Al/Cu	1200 A	3TA4NG500

Connections for 75C wire for 3VA57 and 3VA67

Type	Minimum Cable Size	Maximum Cable Size		Part Number (kit of 2 lugs)	Part Number (kit of 3 lugs)	Mount Lugs to Essential Parts
TA6.1 Aluminum body lug, 3 cables (Cu/Al cable) with 1 extended terminal cover	500 kcmil	750 kcmil	1200 A	3VA9772-OJJ34	3VA9773-OJJ34	
TA6.2 Aluminum body lug, 4 cables (Cu/Al cable) with 1 extended terminal cover	1/0	500 kcmil	1200 A	3VA9772-OJJ43	3VA9773-OJJ43	
TA6.2 Aluminum body lug with CVT, 4 cables (Cu/Al cable) with control wire tap and 1 extended terminal cover	1/0	500 kcmil	1200 A	—	3VA9773-OJC43	
TA6.3 Aluminum body lug, 4 cables (Cu/Al cable) with 1 extended terminal cover, 100% rated	1/0	500 kcmil	1200 A	—	3VA9773-OJM43	
TC6.2 Copper body lug (Cu cable only) 4 cable lugs	1/0	500 kcmil	1200 A	—	3VA9773-OJE43	
TA7.1 Aluminum body lug, 6 cables (Cu/Al cable) for lug mounting assembly	1/0	750 kcmil	1600 A	—	3VA9773-OJJ64	3VA9873-OWL00
CL1.7 Compression lug, 12 pcs, 4 per phase line or load (Cu/Al cable), with extended terminal cover	1/0	500 kcmil	1200 A	—	3VA9773-OQK01	

Amperage Ratings

	Amps		
NG	800	1000	1200
3VA67	800	1000	1200

Interrupting Ratings

NG

Interrupting Class	Breaker Type	UL 489			IEC 60947-2					
		RMS Symmetrical Amperes (kA)								
		Volts AC (50/60 Hz)			Volts AC (50/60 Hz)					
		240	480	600	220/240		380/415		690	
					Icu	Ics	Icu	Ics	Icu	Ics
N	NNG	65	35	25	65	35	50	25	20	10
H	HNG	100	65	35	100	50	70	35	30	15
L	LNG	200	100	65	200	100	100	50	35	17

3VA67

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)				
		Volts AC (50/60 Hz)				
		240	480Y/277V	480	600Y/347V	600
M	MNAE	85	35	35	25	25
H	HNAE	100	65	65	35	35
C	CNAE	200	100	100	65	65

NOTE:

- For Internal and External accessory details, please see Speed Fax chapter 7.
- For Plug-in and Draw-out accessory, please see 3VA6 breaker (3VA Plug-in and Draw-out Technology section).
- Check out the new Universal Release Bracket accessory – undervoltage and shunt trip available in 12 V DC to 48 V DC (3VA Internal Accessories section).
- Series Ratings, please see Speed Fax chapter 7 (General Technical: Series Short Circuit Ratings section).
- When replacing a breaker, remember to ensure that the new breaker remain selective with any existing upstream or downstream breaker. The trip curves for Siemens breakers can be found on the SIOS website or compared with our EasyTCC.

VL vs 3VA

PG vs 3VA58

PG 1200-1600 A

3VA58 1400-1600 A

PG



3VA58



Mounting Dimensions

Mounting Arrangement

	Lug Mounting Assembly	Breaker Mounting Base (Front Connect)	Breaker Mounting Base (Rear Connect)
PG	LMAP1600	MBPG1600	MBPG1601
3VA58	3VA9873-OWL00	3VA9873-OWM00	3VA9873-OWN00

Lugs

			PG
Copper	300-600 kcmil Cu	2000 A	TC5R600
Aluminum	300-600 kcmil Al/Cu	2000 A	TA6R600
Copper/ Aluminum	1/0-750 kcmil Al/Cu	1600 A	3TA6PG750

			3VA58
Copper	300-600 kcmil Cu	1600 A	3VA9771-0JJ53
Aluminum	600-750 kcmil Al/Cu	1600 A	3VA9771-0JJ44
Copper/ Aluminum	1/0-750 kcmil Al/Cu	1600 A	3VA9773-0JJ64

Amperage Ratings

	Amps		
PG	1200	1400	1600
3VA58	–	1400	1600

Interrupting Ratings

PG

Interrupting Class	Breaker Type	UL 489					IEC 60947-2					
		RMS Symmetrical Amperes (kA)										
		Volts AC (50/60 Hz)			Volts DC		Volts AC (50/60 Hz)					
		240	480	600	250	500	220/240		380/415		690	
						Icu	Ics	Icu	Ics	Icu	Ics	
N	NPG	65	35	25	22	35	65	35	50	25	20	10
H	HPG	100	65	35	25	50	100	50	70	35	30	15
L	LPG	200	100	65	42	65	200	100	100	50	35	17

3VA58

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)							
		Volts AC (50/60 Hz)				Volts DC			
		240	480Y/277V	480	600Y/347V	600	250 (2P)	600 (3P)	750 (3P)
M	MPAS	85	35	35	25	25	50	50	50
H	HPAS	100	65	65	35	35	85	85	85
C	CPAS	200	100	100	65	65	100	100	100

NOTE:

- For Internal and External accessory details, please see Speed Fax chapter 7.
- For Plug-in and Draw-out accessory, please see 3VA6 breaker (3VA Plug-in and Draw-out Technology section).
- Check out the new Universal Release Bracket accessory – undervoltage and shunt trip available in 12 V DC to 48 V DC (3VA Internal Accessories section).
- Series Ratings, please see Speed Fax chapter 7 (General Technical: Series Short Circuit Ratings section).
- When replacing a breaker, remember to ensure that the new breaker remain selective with any existing upstream or downstream breaker. The trip curves for Siemens breakers can be found on the SIOS website or compared with our EasyTCC.

VL vs 3VA

PG vs 3VA68

PG 1200-1600 A
3VA68 1600A

PG



3VA68



101

Mounting Dimensions

Mounting Arrangement

	Lug Mounting Assembly	Breaker Mounting Base (Front Connect)	Breaker Mounting Base (Rear Connect)
PG	LMAP1600	MBPG1600	MBPG1601
3VA68	3VA9873-0WL00	3VA9873-0WM00	3VA9873-0WN00

Lugs

			PG
Copper	300-600 kcmil Cu	2000 A	TC5R600
Aluminum	300-600 kcmil Al/Cu	2000 A	TA6R600
Copper/ Aluminum	1/0-750 kcmil Al/Cu	1600 A	3TA6PG750

			3VA68
Copper	300-600 kcmil Cu	1600 A	3VA9771-0JJ53
Aluminum	600-750 kcmil Al/Cu	1600 A	3VA9771-0JJ44
Copper/ Aluminum	1/0-750 kcmil Al/Cu	1600 A	3VA9773-0JJ64

Amperage Ratings

	Amps	
PG	1200	1600
3VA68	–	1600

Interrupting Ratings

PG

Interrupting Class	Breaker Type	UL 489			IEC 60947-2					
		RMS Symmetrical Amperes (kA)								
		Volts AC (50/60 Hz)			Volts AC (50/60 Hz)					
		240	480	600	220/240		380/415		690	
					Icu	Ics	Icu	Ics	Icu	Ics
N	NPG	65	35	25	65	35	50	25	20	10
H	HPG	100	65	35	100	50	70	35	30	15
L	LPG	200	100	65	200	100	100	50	35	17

3VA68

Interrupting Class	Breaker Type	RMS Symmetrical Amperes (kA)				
		Volts AC (50/60 Hz)				
		240	480Y/277V	480	600Y/347V	600
M	MPAE	85	35	35	25	25
H	HPAE	100	65	65	35	35
C	CPAE	200	100	100	65	65

NOTE:

- For Internal and External accessory details, please see Speed Fax chapter 7.
- For Plug-in and Draw-out accessory, please see 3VA6 breaker (3VA Plug-in and Draw-out Technology section).
- Check out the new Universal Release Bracket accessory – undervoltage and shunt trip available in 12 V DC to 48 V DC (3VA Internal Accessories section)
- Series Ratings, please see Speed Fax chapter 7 (General Technical: Series Short Circuit Ratings section)..
- When replacing a breaker, remember to ensure that the new breaker remain selective with any existing upstream or downstream breaker. The trip curves for Siemens breakers can be found on the SIOS website or compared with our EasyTCC.

Legal Manufacturer

Siemens Industry, Inc.
3617 Parkway Lane
Peachtree Corners, GA 30092
United States of America

Telephone: +1 (800) 333-7421
usa.siemens.com/3VA

Order No: CBSA-3VACG-0724

This document contains a general description of available technical options only, and its effectiveness will be subject to specific variables including field conditions and project parameters. Siemens does not make representations, warranties, or assurances as to the accuracy or completeness of the content contained herein. Siemens reserves the right to modify the technology and product specifications in its sole discretion without advance notice.