



3VA Circuit Breaker Resource Guide

Here is a resource summary for the new 3VA Molded Case Circuit Breaker line. This composite of links will help you to access information on 3VA from one single location.

3VA Breaker Electronic Tools (click to access)

Literature	Order No.
3VA UL Overview Brochure	CBFL-3VA56
3VA IEC Overview Brochure	CPBR-3VA12
3VA Basic Product Conversion pdf	PDFL-3VASTK
3VA Communications Brochure 3VA2/6	CBBR-3VACM
3VA Catalog Number Structure Flyer	CBFL-3VACL
3VA UL/CSA Catalog	
3VA IEC Catalog	
3VA UL Configurator	
3VA IEC Configurator	

3VA Videos (click to access)

- [3VA - A complete system designed with you in mind](#)
- [3VA 125A Circuit Breaker Assembly](#)
- [3VA 250A Circuit Breaker Assembly](#)

Other Resources (click to access)

Click [Siemens Industry Mall](#) for:

- Ordering
- Pricing
- Data sheets

Click [Siemens Industry Online Support](#) for:
(Filter "Entry Type" to narrow results!)

- Operating Instructions ("Manual")
- Certifications ("Certificates")
- Curve Characteristics ("Characteristics")

Click [Image Database](#) for:

- Product images
- 2D drawings, 3D models
- Cax Data
- Wiring diagrams

[Knowledge Manager](#) (use QR codes found on product front)

3VA Support

Customer Support: 1-888-303-3353

Pre-sale and catalog selection questions
cic.ca@siemens.com



3VA Molded Case Circuit Breakers

3VA Molded Case Circuit Breakers

Catalog Numbering System

- 3VA51 125A Thermal-magnetic Trip Circuit Breakers
- 3VA61 150A Electronic Trip Circuit Breakers
- 3VA52 250A Thermal-magnetic Trip Circuit Breakers
- 3VA62 250A Electronic Trip Circuit Breakers
- 3VA53 400A Thermal-magnetic Trip Circuit Breakers
- 3VA63 400A Electronic Trip Circuit Breakers
- 3VA54 600A Thermal-magnetic Trip Circuit Breakers
- 3VA64 600A Electronic Trip Circuit Breakers
- 3VA55 800A Thermal-magnetic Trip Circuit Breakers
- 3VA65 800A Electronic Trip Circuit Breakers
- 3VA66 1000A Electronic Trip Circuit Breakers
- 3VA Molded Case Switch and Motor Circuit Protector
- 3VA Internal Accessories
- 3VA Breaker Operators
- 3VA Connection Technology
- 3VA Plug-in and Draw-out Technology
- 3VA Communication and Testing/Commissioning Devices
- 3VA Accessories and Electrical Requirements

The 3VA5 molded case circuit breaker.
Ideal for standard applications.

Line protection from 15 A to 800 A

Breaking capacity up to 50kA @ 600 V AC

1-pole, 2-pole, 3-pole & 4-pole breaker options

Thermomagnetic trip unit

Also available as a molded case switch and as a motor circuit protector

The 3VA6 molded case circuit breaker.
Optimal for advanced applications.

Line protection from 15 A to 1000 A

Breaking capacity up to 100kA @ 600 V AC

3-pole or 4-pole versions

Electronic trip unit

Integrated measuring function for current, voltage, and energy values

Optional communication via PROFIBUS, PROFINET, Ethernet (Modbus TCP), and Modbus RTU

Easy integration into higher-level energy management and automation systems

Different circuit breaker versions available as "100% rated" (uninterrupted rated current)



The 3VA5:
for a broad range of applications.



The 3VA6
for demanding tasks

Molded Case Circuit Breakers

3VA CSA / UL Circuit Breakers

Catalog Numbering System

Catalogue Numbering Logic

3VA 6 1 40 5 HL 3 1 0 A A0

Breaker Designation	
Thermal magnetic panelboard breakers	4
Thermal magnetic (Cable-in Cable-out) breakers	5
Electronic trip breakers	6

Frame Size	
125/150A	1
250A	2
400A	3
600A	4
800A	5
1000A	6

Rated Current											
3VA41/ 3VA51	3VA52	3VA53	3VA54	3VA55	3VA61	3VA62	3VA63	3VA64	3VA65	3VA66	
15A											95
20A	200A	200A									20
	225A	225A									22
25A	250A	250A				250A	250A				25
30A		300A									30
35A		350A									35
40A	40A	400A			40A		400A	400A			40
45A	45A		450A								45
50A	50A		500A								50
60A	60A		600A	600A				600A	600A		60
70A	70A			700A							70
80A	80A			800A					800A		80
90A	90A										90
100A	100A				100A	100A				1000A	10
110A	110A										11
125A	125A										12
	150A				150A						15
	175A										17

Interrupting Capacity @ 600V / 480V		
3VA4/3VA5	3VA6	
MCP/MCS	100K / 200K	0
MCP/MCS	MCP/MCS	1
14K / 25K		4
18K / 35K	18K / 35K	5
25K / 65K	22K / 65K	6
35K / 100K	35K / 100K	7
	50K / 150K	8

Trip Unit Protection Functions (see next page for details)

Number of Poles (see next page for details)

Connection Technology (see next page for details)

Regional Specifics (as applicable) (see next page for details)

Auxiliary Releases (see next page for details)

Auxiliary/Alarm Switches (see next page for details)

Molded Case Circuit Breakers

3VA CSA / UL Circuit Breakers

Catalog Numbering System

Catalogue Numbering Logic (cont.)

3VA 6 1 40 – 5 HL 3 1 0 A A0

(see previous page for details)

Trip Unit Protection Functions										
3VA4/3VA5		L	I	N						
TM230	MCCB	fix	adj							EC
TM210	MCCB	fix	fix							ED
TM240	MCCB	adj	adj							EF
TM230	MCCB	fix	adj	100%						GC
TM210	MCCB	fix	fix	100%						GD
TM240	MCCB	adj	adj	100%						GF
TM110M	MSP		fix							MG
TM120M	MSP		adj							MH
TM120M	MSP		adj							MU
MCS110	MSC		fix							BB
3VA6		L	S	I	G	N	LCD	com.	measurement values	
ETU320 LI	MCCB	adj		adj		0%/50%/100%				HL
ETU330 LIG	MCCB	adj		adj	adj	0%/50%/100%				HM
ETU350 LSI	MCCB	adj	adj	fix		0%/50%/100%				HN
ETU550 LSI	MCCB	adj	adj	adj		20/40%...100/160%	yes	yes	standard	JP
ETU556 LSI(G)	MCCB	adj	adj	adj	alarm	20/40%...100/160%	yes	yes	standard	JT
ETU560 LSIG	MCCB	adj	adj	adj	adj	20/40%...100/160%	yes	yes	standard	JQ
ETU820 LI	MCCB	adj		adj		20/40%...100/160%	yes	yes	advanced	KL
ETU830 LIG	MCCB	adj		adj	adj	20/40%...100/160%	yes	yes	advanced	KM
ETU850 LSI	MCCB	adj	adj	adj		20/40%...100/160%	yes	yes	advanced	KP
ETU856 LSI(G)	MCCB	adj	adj	adj	alarm	20/40%...100/160%	yes	yes	advanced	KT
ETU860 LSIG	MCCB	adj	adj	adj	adj	20/40%...100/160%	yes	yes	advanced	KQ
ETU310M	MCP			adj						MS
MCS110	MCS			fix						BB

Number of Poles	
1 pole	1
2 pole	2
3 pole	3
4 pole	4
1-in-2 pole	5
2-in-3 pole	6

Connection Technology	
Blank, punched copper bar without any lugs	1
Nut keeper kit, line and load	2
Nut keeper kit, load end only	3
Aluminum wire connector, load end only	4
Wire connector, line end only	5
Wire connector, line and load	6

Regional Specifics (as applicable)	
Standard	0
NAVAL/50C	1
100% Rated (3VA6)	2

Auxiliary Releases	Without	A
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Auxiliary/Alarm Switches	Without	A0
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Molded Case Circuit Breakers

3VA51 125A Thermal-magnetic Trip Circuit Breakers

Selection

3VA51 125A Frame, 1-Pole Thermal-Magnetic Trip Unit

Cont. Ampere Rating	S-Interrupting Class (SEAS)	M-Interrupting Class (MEAS)	H-Interrupting Class (HEAS)
	Catalog Number	Catalog Number	Catalog Number
TM210 FTFM			
15	3VA5195-4ED11-0AA0	3VA5195-5ED11-0AA0	3VA5195-6ED11-0AA0
20	3VA5120-4ED11-0AA0	3VA5120-5ED11-0AA0	3VA5120-6ED11-0AA0
25	3VA5125-4ED11-0AA0	3VA5125-5ED11-0AA0	3VA5125-6ED11-0AA0
30	3VA5130-4ED11-0AA0	3VA5130-5ED11-0AA0	3VA5130-6ED11-0AA0
35	3VA5135-4ED11-0AA0	3VA5135-5ED11-0AA0	3VA5135-6ED11-0AA0
40	3VA5140-4ED11-0AA0	3VA5140-5ED11-0AA0	3VA5140-6ED11-0AA0
45	3VA5145-4ED11-0AA0	3VA5145-5ED11-0AA0	3VA5145-6ED11-0AA0
50	3VA5150-4ED11-0AA0	3VA5150-5ED11-0AA0	3VA5150-6ED11-0AA0
60	3VA5160-4ED11-0AA0	3VA5160-5ED11-0AA0	3VA5160-6ED11-0AA0
70	3VA5170-4ED11-0AA0	3VA5170-5ED11-0AA0	3VA5170-6ED11-0AA0
80	3VA5180-4ED11-0AA0	3VA5180-5ED11-0AA0	3VA5180-6ED11-0AA0
90	3VA5190-4ED11-0AA0	3VA5190-5ED11-0AA0	3VA5190-6ED11-0AA0
100	3VA5110-4ED11-0AA0	3VA5110-5ED11-0AA0	3VA5110-6ED11-0AA0
110	3VA5111-4ED11-0AA0	3VA5111-5ED11-0AA0	3VA5111-6ED11-0AA0
125	3VA5112-4ED11-0AA0	3VA5112-5ED11-0AA0	3VA5112-6ED11-0AA0



3VA51 125A Frame, 2-Pole Thermal-Magnetic Trip Unit

Cont. Ampere Rating	S-Interrupting Class (SEAS)	M-Interrupting Class (MEAS)	H-Interrupting Class (HEAS)
	Catalog Number	Catalog Number	Catalog Number
TM210 FTFM [®]			
15	3VA5195-4ED21-0AA0	3VA5195-5ED21-0AA0	3VA5195-6ED21-0AA0
20	3VA5120-4ED21-0AA0	3VA5120-5ED21-0AA0	3VA5120-6ED21-0AA0
25	3VA5125-4ED21-0AA0	3VA5125-5ED21-0AA0	3VA5125-6ED21-0AA0
30	3VA5130-4ED21-0AA0	3VA5130-5ED21-0AA0	3VA5130-6ED21-0AA0
35	3VA5135-4ED21-0AA0	3VA5135-5ED21-0AA0	3VA5135-6ED21-0AA0
40	3VA5140-4ED21-0AA0	3VA5140-5ED21-0AA0	3VA5140-6ED21-0AA0
45	3VA5145-4ED21-0AA0	3VA5145-5ED21-0AA0	3VA5145-6ED21-0AA0
50	3VA5150-4ED21-0AA0	3VA5150-5ED21-0AA0	3VA5150-6ED21-0AA0
60	3VA5160-4ED21-0AA0	3VA5160-5ED21-0AA0	3VA5160-6ED21-0AA0
70	3VA5170-4ED21-0AA0	3VA5170-5ED21-0AA0	3VA5170-6ED21-0AA0
80	3VA5180-4ED21-0AA0	3VA5180-5ED21-0AA0	3VA5180-6ED21-0AA0
90	3VA5190-4ED21-0AA0	3VA5190-5ED21-0AA0	3VA5190-6ED21-0AA0
100	3VA5110-4ED21-0AA0	3VA5110-5ED21-0AA0	3VA5110-6ED21-0AA0
110	3VA5111-4ED21-0AA0	3VA5111-5ED21-0AA0	3VA5111-6ED21-0AA0
125	3VA5112-4ED21-0AA0	3VA5112-5ED21-0AA0	3VA5112-6ED21-0AA0



Dimensions

Breaker	Poles	W in. (mm)	H in. (mm)	D in. (mm)	lbs.	kg
3VA51	1	1 (25.4)	5.5 (140)	3 (76.5)	0.84	0.38
3VA51	2	2 (50.8)	5.5 (140)	3 (76.5)	1.37	0.62
3VA51	3	3 (76.2)	5.5 (140)	3 (76.5)	1.73	0.78
3VA51	4	4 (101.6)	5.5 (140)	3 (76.5)	2.09	0.95

Shipping Weight

Ordering Information

The catalog numbers listed here are for complete, non-interchangeable trip circuit breakers without lugs.

Order required lugs or connection technology separately for field installation.

All 3VA51 thermal-magnetic trip circuit breakers are CSA approved and UL listed for reverse feed applications.

For NAVAL-rated thermal-magnetic trip circuit breakers, change the 13th digit of the catalog number to the number "1". (For example, a 18kA @600/347VAC, 40A, 3-pole, NAVAL rated 3VA51 would be catalog number 3VA5140-5ED31-1AA0)

Molded Case Circuit Breakers

3VA51 125A Thermal-magnetic Trip Circuit Breakers

Selection

3VA51 125A Frame, 3-Pole Thermal-Magnetic Trip Unit

Cont. Ampere Rating	S-Interrupting Class (SEAS)	M-Interrupting Class (MEAS)	H-Interrupting Class (HEAS)
	Catalog Number	Catalog Number	Catalog Number
TM210 FTFM [®]			
15	3VA5195-4ED31-0AA0	3VA5195-5ED31-0AA0	3VA5195-6ED31-0AA0
20	3VA5120-4ED31-0AA0	3VA5120-5ED31-0AA0	3VA5120-6ED31-0AA0
25	3VA5125-4ED31-0AA0	3VA5125-5ED31-0AA0	3VA5125-6ED31-0AA0
30	3VA5130-4ED31-0AA0	3VA5130-5ED31-0AA0	3VA5130-6ED31-0AA0
35	3VA5135-4ED31-0AA0	3VA5135-5ED31-0AA0	3VA5135-6ED31-0AA0
40	3VA5140-4ED31-0AA0	3VA5140-5ED31-0AA0	3VA5140-6ED31-0AA0
45	3VA5145-4ED31-0AA0	3VA5145-5ED31-0AA0	3VA5145-6ED31-0AA0
50	3VA5150-4ED31-0AA0	3VA5150-5ED31-0AA0	3VA5150-6ED31-0AA0
60	3VA5160-4ED31-0AA0	3VA5160-5ED31-0AA0	3VA5160-6ED31-0AA0
70	3VA5170-4ED31-0AA0	3VA5170-5ED31-0AA0	3VA5170-6ED31-0AA0
80	3VA5180-4ED31-0AA0	3VA5180-5ED31-0AA0	3VA5180-6ED31-0AA0
90	3VA5190-4ED31-0AA0	3VA5190-5ED31-0AA0	3VA5190-6ED31-0AA0
100	3VA5110-4ED31-0AA0	3VA5110-5ED31-0AA0	3VA5110-6ED31-0AA0
110	3VA5111-4ED31-0AA0	3VA5111-5ED31-0AA0	3VA5111-6ED31-0AA0
125	3VA5112-4ED31-0AA0	3VA5112-5ED31-0AA0	3VA5112-6ED31-0AA0

TM230 FTAM [®]			
15	3VA5195-4EC31-0AA0	3VA5195-5EC31-0AA0	3VA5195-6EC31-0AA0
20	3VA5120-4EC31-0AA0	3VA5120-5EC31-0AA0	3VA5120-6EC31-0AA0
25	3VA5125-4EC31-0AA0	3VA5125-5EC31-0AA0	3VA5125-6EC31-0AA0
30	3VA5130-4EC31-0AA0	3VA5130-5EC31-0AA0	3VA5130-6EC31-0AA0
35	3VA5135-4EC31-0AA0	3VA5135-5EC31-0AA0	3VA5135-6EC31-0AA0
40	3VA5140-4EC31-0AA0	3VA5140-5EC31-0AA0	3VA5140-6EC31-0AA0
45	3VA5145-4EC31-0AA0	3VA5145-5EC31-0AA0	3VA5145-6EC31-0AA0
50	3VA5150-4EC31-0AA0	3VA5150-5EC31-0AA0	3VA5150-6EC31-0AA0
60	3VA5160-4EC31-0AA0	3VA5160-5EC31-0AA0	3VA5160-6EC31-0AA0
70	3VA5170-4EC31-0AA0	3VA5170-5EC31-0AA0	3VA5170-6EC31-0AA0
80	3VA5180-4EC31-0AA0	3VA5180-5EC31-0AA0	3VA5180-6EC31-0AA0
90	3VA5190-4EC31-0AA0	3VA5190-5EC31-0AA0	3VA5190-6EC31-0AA0
100	3VA5110-4EC31-0AA0	3VA5110-5EC31-0AA0	3VA5110-6EC31-0AA0
110	3VA5111-4EC31-0AA0	3VA5111-5EC31-0AA0	3VA5111-6EC31-0AA0
125	3VA5112-4EC31-0AA0	3VA5112-5EC31-0AA0	3VA5112-6EC31-0AA0

TM240 ATAM			
15	3VA5195-4EF31-0AA0	3VA5195-5EF31-0AA0	3VA5195-6EF31-0AA0
20	3VA5120-4EF31-0AA0	3VA5120-5EF31-0AA0	3VA5120-6EF31-0AA0
30	3VA5130-4EF31-0AA0	3VA5130-5EF31-0AA0	3VA5130-6EF31-0AA0
40	3VA5140-4EF31-0AA0	3VA5140-5EF31-0AA0	3VA5140-6EF31-0AA0
50	3VA5150-4EF31-0AA0	3VA5150-5EF31-0AA0	3VA5150-6EF31-0AA0
60	3VA5160-4EF31-0AA0	3VA5160-5EF31-0AA0	3VA5160-6EF31-0AA0
70	3VA5170-4EF31-0AA0	3VA5170-5EF31-0AA0	3VA5170-6EF31-0AA0
80	3VA5180-4EF31-0AA0	3VA5180-5EF31-0AA0	3VA5180-6EF31-0AA0
100	3VA5110-4EF31-0AA0	3VA5110-5EF31-0AA0	3VA5110-6EF31-0AA0



3VA51 125A 3-Pole

Ordering Information

The catalog numbers listed here are for complete, non-interchangeable trip circuit breakers without lugs.

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Dimensions

Breaker	Poles	W in. (mm)	H in. (mm)	D in. (mm)	lbs.	kg
3VA51	1	1 (25.4)	5.5 (140)	3 (76.5)	0.84	0.38
3VA51	2	2 (50.8)	5.5 (140)	3 (76.5)	1.37	0.62
3VA51	3	3 (76.2)	5.5 (140)	3 (76.5)	1.73	0.78
3VA51	4	4 (101.6)	5.5 (140)	3 (76.5)	2.09	0.95

Shipping Weight



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Siemens Canada full line distributor

SIEMENS

Molded Case Circuit Breakers

3VA51 125A Thermal-magnetic Trip Circuit Breakers

Selection

3VA51 125A Frame, 4-Pole Thermal-Magnetic Trip Unit

Cont. Ampere Rating	S-Interrupting Class (SEAS)	M-Interrupting Class (MEAS)	H-Interrupting Class (HEAS)
	Catalog Number	Catalog Number	Catalog Number
TM210 FTFM Unprotected Neutral			
15	3VA5195-4ED41-0AA0	3VA5195-5ED41-0AA0	3VA5195-6ED41-0AA0
20	3VA5120-4ED41-0AA0	3VA5120-5ED41-0AA0	3VA5120-6ED41-0AA0
25	3VA5125-4ED41-0AA0	3VA5125-5ED41-0AA0	3VA5125-6ED41-0AA0
30	3VA5130-4ED41-0AA0	3VA5130-5ED41-0AA0	3VA5130-6ED41-0AA0
35	3VA5135-4ED41-0AA0	3VA5135-5ED41-0AA0	3VA5135-6ED41-0AA0
40	3VA5140-4ED41-0AA0	3VA5140-5ED41-0AA0	3VA5140-6ED41-0AA0
45	3VA5145-4ED41-0AA0	3VA5145-5ED41-0AA0	3VA5145-6ED41-0AA0
50	3VA5150-4ED41-0AA0	3VA5150-5ED41-0AA0	3VA5150-6ED41-0AA0
60	3VA5160-4ED41-0AA0	3VA5160-5ED41-0AA0	3VA5160-6ED41-0AA0
70	3VA5170-4ED41-0AA0	3VA5170-5ED41-0AA0	3VA5170-6ED41-0AA0
80	3VA5180-4ED41-0AA0	3VA5180-5ED41-0AA0	3VA5180-6ED41-0AA0
90	3VA5190-4ED41-0AA0	3VA5190-5ED41-0AA0	3VA5190-6ED41-0AA0
100	3VA5110-4ED41-0AA0	3VA5110-5ED41-0AA0	3VA5110-6ED41-0AA0
110	3VA5111-4ED41-0AA0	3VA5111-5ED41-0AA0	3VA5111-6ED41-0AA0
125	3VA5112-4ED41-0AA0	3VA5112-5ED41-0AA0	3VA5112-6ED41-0AA0
TM210 FTFM 100% Neutral			
90	3VA5190-4GD41-0AA0	3VA5190-5GD41-0AA0	3VA5190-6GD41-0AA0
100	3VA5110-4GD41-0AA0	3VA5110-5GD41-0AA0	3VA5110-6GD41-0AA0
110	3VA5111-4GD41-0AA0	3VA5111-5GD41-0AA0	3VA5111-6GD41-0AA0
125	3VA5112-4GD41-0AA0	3VA5112-5GD41-0AA0	3VA5112-6GD41-0AA0
TM230 FTAM Unprotected Neutral			
15	3VA5195-4EC41-0AA0	3VA5195-5EC41-0AA0	3VA5195-6EC41-0AA0
20	3VA5120-4EC41-0AA0	3VA5120-5EC41-0AA0	3VA5120-6EC41-0AA0
25	3VA5125-4EC41-0AA0	3VA5125-5EC41-0AA0	3VA5125-6EC41-0AA0
30	3VA5130-4EC41-0AA0	3VA5130-5EC41-0AA0	3VA5130-6EC41-0AA0
35	3VA5135-4EC41-0AA0	3VA5135-5EC41-0AA0	3VA5135-6EC41-0AA0
40	3VA5140-4EC41-0AA0	3VA5140-5EC41-0AA0	3VA5140-6EC41-0AA0
45	3VA5145-4EC41-0AA0	3VA5145-5EC41-0AA0	3VA5145-6EC41-0AA0
50	3VA5150-4EC41-0AA0	3VA5150-5EC41-0AA0	3VA5150-6EC41-0AA0
60	3VA5160-4EC41-0AA0	3VA5160-5EC41-0AA0	3VA5160-6EC41-0AA0
70	3VA5170-4EC41-0AA0	3VA5170-5EC41-0AA0	3VA5170-6EC41-0AA0
80	3VA5180-4EC41-0AA0	3VA5180-5EC41-0AA0	3VA5180-6EC41-0AA0
90	3VA5190-4EC41-0AA0	3VA5190-5EC41-0AA0	3VA5190-6EC41-0AA0
100	3VA5110-4EC41-0AA0	3VA5110-5EC41-0AA0	3VA5110-6EC41-0AA0
110	3VA5111-4EC41-0AA0	3VA5111-5EC41-0AA0	3VA5111-6EC41-0AA0
125	3VA5112-4EC41-0AA0	3VA5112-5EC41-0AA0	3VA5112-6EC41-0AA0
TM230 FTFM 100% Neutral			
90	3VA5190-4GC41-0AA0	3VA5190-5GC41-0AA0	3VA5190-6GC41-0AA0
100	3VA5110-4GC41-0AA0	3VA5110-5GC41-0AA0	3VA5110-6GC41-0AA0
110	3VA5111-4GC41-0AA0	3VA5111-5GC41-0AA0	3VA5111-6GC41-0AA0
125	3VA5112-4GC41-0AA0	3VA5112-5GC41-0AA0	3VA5112-6GC41-0AA0
TM240 ATAM Unprotected Neutral			
15	3VA5195-4EF41-0AA0	3VA5195-5EF41-0AA0	3VA5195-6EF41-0AA0
20	3VA5120-4EF41-0AA0	3VA5120-5EF41-0AA0	3VA5120-6EF41-0AA0
30	3VA5130-4EF41-0AA0	3VA5130-5EF41-0AA0	3VA5130-6EF41-0AA0
40	3VA5140-4EF41-0AA0	3VA5140-5EF41-0AA0	3VA5140-6EF41-0AA0
50	3VA5150-4EF41-0AA0	3VA5150-5EF41-0AA0	3VA5150-6EF41-0AA0
60	3VA5160-4EF41-0AA0	3VA5160-5EF41-0AA0	3VA5160-6EF41-0AA0
70	3VA5170-4EF41-0AA0	3VA5170-5EF41-0AA0	3VA5170-6EF41-0AA0
80	3VA5180-4EF41-0AA0	3VA5180-5EF41-0AA0	3VA5180-6EF41-0AA0
100	3VA5110-4EF41-0AA0	3VA5110-5EF41-0AA0	3VA5110-6EF41-0AA0
TM240 ATAM 100% Neutral			
100	3VA5110-4GF41-0AA0	3VA5110-5GF41-0AA0	3VA5110-6GF41-0AA0



3VA51 125A 4-Pole

Ordering Information

The catalog numbers listed here are for complete, non-interchangeable trip circuit breakers without lugs.

Order required lugs or connection technology separately for field installation.

All 3VA51 thermal-magnetic trip circuit breakers are CSA approved and UL listed for reverse feed applications.

For NAVAL-rated thermal-magnetic trip circuit breakers, change the 13th digit of the catalog number to the number "1". (For example, a 18kA @600/347VAC, 40A, 3-pole, NAVAL rated 3VA51 would be catalogue number 3VA5140-5ED31-1AA0)

3VA51 125A Thermal-magnetic Trip Circuit Breakers

Interrupting Ratings for 3VA51

① Applies to 3VA51 3-Pole

TM210 - FTFM		
I _r (A)	I _r (A)	I _r (A)
15	15	300
20	20	300
25	25	300
30	30	300
35	35	350
40	40	400
45	45	450
50	50	500
60	60	600
70	70	700
80	80	800
90	90	900
100	100	1000
110	110	1100
125	125	1250

TM230 - FTAM							
I _a (A)	I _i (A)	I _i (A)					
15	15	150	180	210	240	270	300
20	20	150	180	210	240	270	300
25	25	150	180	210	240	270	300
30	30	150	180	210	240	270	300
35	35	175	210	245	280	315	350
40	40	200	240	280	320	360	400
45	45	225	270	315	360	405	450
50	50	250	300	350	400	450	500
60	60	300	360	420	480	540	600
70	70	350	420	490	560	630	700
80	80	400	480	560	640	720	800
90	90	450	540	630	720	810	900
100	100	500	600	700	800	900	1000
110	110	550	660	770	880	990	1100
125	125	625	750	875	1000	1125	1250

Connectors for 75C Wire for 3VA51

Type	Min. cable size	Max. cable size	Catalog No. (kit of 3 lugs)	Catalog No. (kit of 4 lugs)
Steel wrap around (Cu cable only), 1 cable lugs	AWG 14	3/0	3VA9133-0JA11	3VA9134-0JA11
Aluminum body lug small (Cu/Al cable), 1 cable lug	AWG 14	AWG 10	3VA9133-0JB10	3VA9134-0JB10
Aluminum body lug (Cu/Al cable), 1 cable lugs	AWG 14	3/0	3VA9133-0JB11	3VA9134-0JB11
Aluminum body lug small with control wire tap (Cu/Al cable), 1 cable lug	AWG 14	AWG 10	3VA9133-0JG10	3VA9134-0JG10
Aluminum body lug with control wire tap (Cu/Al cable), 1 cable lugs	AWG 14	3/0	3VA9133-0JG11	3VA9134-0JG11
Aluminum body lug large (Cu/Al cable), 1 cable lugs with 1 extended terminal cover	AWG 4	300 kcmil	3VA9133-0JJ12	
Aluminum body lug large with control wire tap (Cu/Al cable), 1 cable lug and 1 extended terminal cover	AWG 4	300 kcmil	3VA9133-0JC12	
Distribution lug, 6 cables (Cu/Al cable), 1 cable lugs with 1 extended terminal cover	AWG 14	AWG 2	3VA9133-0JF60	3VA9134-0JF60
Copper body lug small (Cu cable only), 1 cable lugs	AWG 14	AWG 10	3VA9133-0JD10	3VA9134-0JD10
Copper body lug (Cu cable only), 1 cable lugs	AWG 14	2/0	3VA9133-0JD11	3VA9134-0JD11
Copper body lug small with control wire tap (Cu cable only), 1 cable lugs	AWG 14	AWG 10	3VA9133-0JK10	3VA9134-0JK10
Copper body lug with control wire tap (Cu cable only), 1 cable lugs	AWG 14	2/0	3VA9133-0JK11	3VA9134-0JK11

Internal accessories configuration				3VA4/3VA5 125 A 1 in 2-pole /2-pole				3VA5 125 A 3 & 4-pole							
Slot No.:				23	22	21		125 A	23	22	21		11	12	13
Auxiliary switch				Type											
Auxiliary switch				AUX_HQ				  							
				AUX_HQ_el				  							
				AUX_HP											
Leading changeover switch				LCS_HQ											
				LCS_HQ_el											
				LCS_HP											
Auxiliary switch				Type											
Trip alarm switch				TAS_HQ				  							
				TAS_HQ_el				 							
				TAS_HP											
Short circuit alarm switch				SAS_HQ											
				SAS_HQ_el											
Auxiliary switch				Type											
Shunt trip flexible				STF											
Shunt trip left				STL											
				STL_el											
Residual current release				RCR											
Undervoltage release				UVR											
Universal release				UVI											
Other															
Cylinder lock (type Ronis)															

Molded Case Circuit Breakers

3VA61 150A Electronic Trip Circuit Breakers

Selection



3VA61 150A 3-Pole

Ordering Information

The catalog numbers listed below are for complete, non-interchangeable trip circuit breakers without lugs.

Order required lugs or connection technology separately for field installation.

All 3VA61 electronic trip circuit breakers are CSA approved and UL listed for reverse feed applications.

All 3VA61 electronic trip circuit breakers are available with 100% ratings.

For 100% rated electronic trip circuit breakers, change the 13th digit of the catalog number to the number "2". (For example, a 18kA @600VAC, 40A, 3-pole, 100% rated 3VA61 would be catalog number 3VA6140-5HL31-2AA0) Requires the use of copper lugs — see lug table below.

All 3VA6 circuit breakers are certified to CSA C22.2 No. 5, and UL 489 Supplement SB, are marked "Naval", and are suitable for use at 50C.

3VA61 150A Frame 3-Pole Electronic Trip Unit

Continuous Ampere	M-Interrupting Class (MDAE) Catalog Number	H-Interrupting Class (HDAE) Catalog Number	C-Interrupting Class (CDAE) Catalog Number	L-Interrupting Class (LDAE) Catalog Number	E-Interrupting Class (EDAE) Catalog Number
ETU320 LI with dials					
40	3VA6140-5HL31-0AA0	3VA6140-6HL31-0AA0	3VA6140-7HL31-0AA0	3VA6140-8HL31-0AA0	3VA6160-0HL31-0AA0 ^①
100	3VA6110-5HL31-0AA0	3VA6110-6HL31-0AA0	3VA6110-7HL31-0AA0	3VA6110-8HL31-0AA0	3VA6110-0HL31-0AA0
150	3VA6115-5HL31-0AA0	3VA6115-6HL31-0AA0	3VA6115-7HL31-0AA0	3VA6115-8HL31-0AA0	3VA6115-0HL31-0AA0
ETU330 LIG with dials					
40	3VA6140-5HM31-0AA0	3VA6140-6HM31-0AA0	3VA6140-7HM31-0AA0	3VA6140-8HM31-0AA0	3VA6160-0HM31-0AA0 ^①
100	3VA6110-5HM31-0AA0	3VA6110-6HM31-0AA0	3VA6110-7HM31-0AA0	3VA6110-8HM31-0AA0	3VA6110-0HM31-0AA0
150	3VA6115-5HM31-0AA0	3VA6115-6HM31-0AA0	3VA6115-7HM31-0AA0	3VA6115-8HM31-0AA0	3VA6115-0HM31-0AA0
ETU350 LSI with dials					
40	3VA6140-5HN31-0AA0	3VA6140-6HN31-0AA0	3VA6140-7HN31-0AA0	3VA6140-8HN31-0AA0	3VA6160-0HN31-0AA0 ^①
100	3VA6110-5HN31-0AA0	3VA6110-6HN31-0AA0	3VA6110-7HN31-0AA0	3VA6110-8HN31-0AA0	3VA6110-0HN31-0AA0
150	3VA6115-5HN31-0AA0	3VA6115-6HN31-0AA0	3VA6115-7HN31-0AA0	3VA6115-8HN31-0AA0	3VA6115-0HN31-0AA0
ETU550 LSI with LCD					
40	3VA6140-5JP31-0AA0	3VA6140-6JP31-0AA0	3VA6140-7JP31-0AA0	3VA6140-8JP31-0AA0	—
100	3VA6110-5JP31-0AA0	3VA6110-6JP31-0AA0	3VA6110-7JP31-0AA0	3VA6110-8JP31-0AA0	—
150	3VA6115-5JP31-0AA0	3VA6115-6JP31-0AA0	3VA6115-7JP31-0AA0	3VA6115-8JP31-0AA0	—
ETU556 LSI(G Alarm) with LCD					
40	3VA6140-5JT31-0AA0	3VA6140-6JT31-0AA0	3VA6140-7JT31-0AA0	3VA6140-8JT31-0AA0	—
100	3VA6110-5JT31-0AA0	3VA6110-6JT31-0AA0	3VA6110-7JT31-0AA0	3VA6110-8JT31-0AA0	—
150	3VA6115-5JT31-0AA0	3VA6115-6JT31-0AA0	3VA6115-7JT31-0AA0	3VA6115-8JT31-0AA0	—
ETU560 LSI(G) with LCD					
40	3VA6140-5JQ31-0AA0	3VA6140-6JQ31-0AA0	3VA6140-7JQ31-0AA0	3VA6140-8JQ31-0AA0	—
100	3VA6110-5JQ31-0AA0	3VA6110-6JQ31-0AA0	3VA6110-7JQ31-0AA0	3VA6110-8JQ31-0AA0	—
150	3VA6115-5JQ31-0AA0	3VA6115-6JQ31-0AA0	3VA6115-7JQ31-0AA0	3VA6115-8JQ31-0AA0	—
ETU820 LI LCD with Metering					
40	3VA6140-5KL31-0AA0	3VA6140-6KL31-0AA0	3VA6140-7KL31-0AA0	3VA6140-8KL31-0AA0	—
100	3VA6110-5KL31-0AA0	3VA6110-6KL31-0AA0	3VA6110-7KL31-0AA0	3VA6110-8KL31-0AA0	—
150	3VA6115-5KL31-0AA0	3VA6115-6KL31-0AA0	3VA6115-7KL31-0AA0	3VA6115-8KL31-0AA0	—
ETU830 LIG with LCD and Metering					
40	3VA6140-5KM31-0AA0	3VA6140-6KM31-0AA0	3VA6140-7KM31-0AA0	3VA6140-8KM31-0AA0	—
100	3VA6110-5KM31-0AA0	3VA6110-6KM31-0AA0	3VA6110-7KM31-0AA0	3VA6110-8KM31-0AA0	—
150	3VA6115-5KM31-0AA0	3VA6115-6KM31-0AA0	3VA6115-7KM31-0AA0	3VA6115-8KM31-0AA0	—
ETU850 LSI with LCD and Metering					
40	3VA6140-5KP31-0AA0	3VA6140-6KP31-0AA0	3VA6140-7KP31-0AA0	3VA6140-8KP31-0AA0	—
100	3VA6110-5KP31-0AA0	3VA6110-6KP31-0AA0	3VA6110-7KP31-0AA0	3VA6110-8KP31-0AA0	—
150	3VA6115-5KP31-0AA0	3VA6115-6KP31-0AA0	3VA6115-7KP31-0AA0	3VA6115-8KP31-0AA0	—
ETU856 LSI(G Alarm) with LCD and Metering					
40	3VA6140-5KT31-0AA0	3VA6140-6KT31-0AA0	3VA6140-7KT31-0AA0	3VA6140-8KT31-0AA0	3VA6160-0KT31-0AA0 ^①
100	3VA6110-5KT31-0AA0	3VA6110-6KT31-0AA0	3VA6110-7KT31-0AA0	3VA6110-8KT31-0AA0	3VA6110-0KT31-0AA0
150	3VA6115-5KT31-0AA0	3VA6115-6KT31-0AA0	3VA6115-7KT31-0AA0	3VA6115-8KT31-0AA0	3VA6115-0KT31-0AA0
ETU860 LSI(G) with LCD and Metering					
40	3VA6140-5KQ31-0AA0	3VA6140-6KQ31-0AA0	3VA6140-7KQ31-0AA0	3VA6140-8KQ31-0AA0	3VA6160-0KQ31-0AA0 ^①
100	3VA6110-5KQ31-0AA0	3VA6110-6KQ31-0AA0	3VA6110-7KQ31-0AA0	3VA6110-8KQ31-0AA0	3VA6110-0KQ31-0AA0
150	3VA6115-5KQ31-0AA0	3VA6115-6KQ31-0AA0	3VA6115-7KQ31-0AA0	3VA6115-8KQ31-0AA0	3VA6115-0KQ31-0AA0

^① The lowest amperage trip unit available for the EDAE class breakers is 60 amps.

Molded Case Circuit Breakers

3VA61 150A Electronic Trip Circuit Breakers

Selection



3VA61 150A 4-Pole

Ordering Information

The catalog numbers listed below are for complete, non-interchangeable trip circuit breakers without lugs.

Order required lugs or connection technology separately for field installation.

All 3VA61 electronic trip circuit breakers are CSA approved and UL listed for reverse feed applications.

All 3VA61 electronic trip circuit breakers are available with 100% ratings.

For 100% rated electronic trip circuit breakers, change the 13th digit of the catalog number to the number "2". (For example, a 18kA @600VAC, 40A, 3-pole, 100% rated 3VA61 would be catalog number 3VA6140-5HL41-2AA0) Requires the use of copper lugs — see lug table below.

All 3VA6 circuit breakers are certified to CSA C22.2 No 5, and UL 489 listed Supplement SB, are marked "Naval", and are suitable for use at 50C.

3VA61 150A Frame 4-Pole Electronic Trip Unit

Continuous Ampere	M-Interrupting Class (MDAE) Catalog Number	H-Interrupting Class (HDAE) Catalog Number	C-Interrupting Class (CDAE) Catalog Number	L-Interrupting Class (LDAE) Catalog Number	E-Interrupting Class (EAE) Catalog Number
ETU320 LI with dials					
40	3VA6140-5HL41-0AA0	3VA6140-6HL41-0AA0	3VA6140-7HL41-0AA0	3VA6140-8HL41-0AA0	3VA6160-0HL41-0AA0 ^①
100	3VA6110-5HL41-0AA0	3VA6110-6HL41-0AA0	3VA6110-7HL41-0AA0	3VA6110-8HL41-0AA0	3VA6110-0HL41-0AA0
150	3VA6115-5HL41-0AA0	3VA6115-6HL41-0AA0	3VA6115-7HL41-0AA0	3VA6115-8HL41-0AA0	3VA6115-0HL41-0AA0
ETU330 LIG with dials					
40	3VA6140-5HM41-0AA0	3VA6140-6HM41-0AA0	3VA6140-7HM41-0AA0	3VA6140-8HM41-0AA0	3VA6160-0HM41-0AA0 ^①
100	3VA6110-5HM41-0AA0	3VA6110-6HM41-0AA0	3VA6110-7HM41-0AA0	3VA6110-8HM41-0AA0	3VA6110-0HM41-0AA0
150	3VA6115-5HM41-0AA0	3VA6115-6HM41-0AA0	3VA6115-7HM41-0AA0	3VA6115-8HM41-0AA0	3VA6115-0HM41-0AA0
ETU350 LSI with dials					
40	3VA6140-5HN41-0AA0	3VA6140-6HN41-0AA0	3VA6140-7HN41-0AA0	3VA6140-8HN41-0AA0	3VA6160-0HN41-0AA0 ^①
100	3VA6110-5HN41-0AA0	3VA6110-6HN41-0AA0	3VA6110-7HN41-0AA0	3VA6110-8HN41-0AA0	3VA6110-0HN41-0AA0
150	3VA6115-5HN41-0AA0	3VA6115-6HN41-0AA0	3VA6115-7HN41-0AA0	3VA6115-8HN41-0AA0	3VA6115-0HN41-0AA0
ETU550 LSI with LCD					
40	3VA6140-5JP41-0AA0	3VA6140-6JP41-0AA0	3VA6140-7JP41-0AA0	3VA6140-8JP41-0AA0	—
100	3VA6110-5JP41-0AA0	3VA6110-6JP41-0AA0	3VA6110-7JP41-0AA0	3VA6110-8JP41-0AA0	—
150	3VA6115-5JP41-0AA0	3VA6115-6JP41-0AA0	3VA6115-7JP41-0AA0	3VA6115-8JP41-0AA0	—
ETU556 LSI(G Alarm) with LCD					
40	3VA6140-5JT41-0AA0	3VA6140-6JT41-0AA0	3VA6140-7JT41-0AA0	3VA6140-8JT41-0AA0	—
100	3VA6110-5JT41-0AA0	3VA6110-6JT41-0AA0	3VA6110-7JT41-0AA0	3VA6110-8JT41-0AA0	—
150	3VA6115-5JT41-0AA0	3VA6115-6JT41-0AA0	3VA6115-7JT41-0AA0	3VA6115-8JT41-0AA0	—
ETU560 LSIG with LCD					
40	3VA6140-5JQ41-0AA0	3VA6140-6JQ41-0AA0	3VA6140-7JQ41-0AA0	3VA6140-8JQ41-0AA0	—
100	3VA6110-5JQ41-0AA0	3VA6110-6JQ41-0AA0	3VA6110-7JQ41-0AA0	3VA6110-8JQ41-0AA0	—
150	3VA6115-5JQ41-0AA0	3VA6115-6JQ41-0AA0	3VA6115-7JQ41-0AA0	3VA6115-8JQ41-0AA0	—
ETU820 LI LCD with Metering					
40	3VA6140-5KL41-0AA0	3VA6140-6KL41-0AA0	3VA6140-7KL41-0AA0	3VA6140-8KL41-0AA0	—
100	3VA6110-5KL41-0AA0	3VA6110-6KL41-0AA0	3VA6110-7KL41-0AA0	3VA6110-8KL41-0AA0	—
150	3VA6115-5KL41-0AA0	3VA6115-6KL41-0AA0	3VA6115-7KL41-0AA0	3VA6115-8KL41-0AA0	—
ETU830 LIG with LCD and Metering					
40	3VA6140-5KM41-0AA0	3VA6140-6KM41-0AA0	3VA6140-7KM41-0AA0	3VA6140-8KM41-0AA0	—
100	3VA6110-5KM41-0AA0	3VA6110-6KM41-0AA0	3VA6110-7KM41-0AA0	3VA6110-8KM41-0AA0	—
150	3VA6115-5KM41-0AA0	3VA6115-6KM41-0AA0	3VA6115-7KM41-0AA0	3VA6115-8KM41-0AA0	—
ETU850 LSI with LCD and Metering					
40	3VA6140-5KP41-0AA0	3VA6140-6KP41-0AA0	3VA6140-7KP41-0AA0	3VA6140-8KP41-0AA0	—
100	3VA6110-5KP41-0AA0	3VA6110-6KP41-0AA0	3VA6110-7KP41-0AA0	3VA6110-8KP41-0AA0	—
150	3VA6115-5KP41-0AA0	3VA6115-6KP41-0AA0	3VA6115-7KP41-0AA0	3VA6115-8KP41-0AA0	—
ETU856 LSI(G Alarm) with LCD and Metering					
40	3VA6140-5KT41-0AA0	3VA6140-6KT41-0AA0	3VA6140-7KT41-0AA0	3VA6140-8KT41-0AA0	3VA6160-0KT41-0AA0 ^①
100	3VA6110-5KT41-0AA0	3VA6110-6KT41-0AA0	3VA6110-7KT41-0AA0	3VA6110-8KT41-0AA0	3VA6110-0KT41-0AA0
150	3VA6115-5KT41-0AA0	3VA6115-6KT41-0AA0	3VA6115-7KT41-0AA0	3VA6115-8KT41-0AA0	3VA6115-0KT41-0AA0
ETU860 LSIG with LCD and Metering					
40	3VA6140-5KQ41-0AA0	3VA6140-6KQ41-0AA0	3VA6140-7KQ41-0AA0	3VA6140-8KQ41-0AA0	3VA6160-0KQ41-0AA0 ^①
100	3VA6110-5KQ41-0AA0	3VA6110-6KQ41-0AA0	3VA6110-7KQ41-0AA0	3VA6110-8KQ41-0AA0	3VA6110-0KQ41-0AA0
150	3VA6115-5KQ41-0AA0	3VA6115-6KQ41-0AA0	3VA6115-7KQ41-0AA0	3VA6115-8KQ41-0AA0	3VA6115-0KQ41-0AA0

① The lowest amperage trip unit available for the EDAE class breakers is 60 amps.

Molded Case Circuit Breakers

3VA61 150A Electronic Trip Circuit Breakers

Technical information

Connectors for 75C wire for 3VA61

Type	Minimum cable size	Maximum cable size	Part Number (kit of 3 lugs)	Part Number (kit of 4 lugs)
Steel Wrap around (Cu cable only) single cable lugs	AWG 10	3/0	3VA9143-0JA12	3VA9144-0JA12
	AWG 4	350 kcmil	3VA9243-0JA12	3VA9244-0JA12
Aluminum Body Lug (Cu/Al cable) single cable lugs	AWG 14	1/0	3VA9143-0JB11	3VA9144-0JB11
	AWG 6	350 kcmil	3VA9243-0JB12	3VA9244-0JB12
Aluminum body lug with control wire tap (Cu/Al cable) single cable lugs	AWG 14	1/0	3VA9143-0JG11	3VA9144-0JG11
	AWG 6	350 kcmil	3VA9243-0JG12	3VA9244-0JG12
Aluminum body lug large (Cu/Al cable) single cable lugs and 1 ext'd terminal cover	AWG 2	350 kcmil	3VA9243-0JJ13	3VA9244-0JJ13
Aluminum body lug large with control wire tap (Cu/Al cable) single cable lugs and 1 extended terminal cover	AWG 2	350 kcmil	3VA9243-0JC13	3VA9244-0JC13
Aluminum body lug, 2 cables (Cu/Al cable) with 1 extended terminal cover	AWG 4	300 kcmil	3VA9243-0JJ22	3VA9244-0JJ22
Aluminum body lug, 2 cables (Cu/Al cable) with control wire tap and 1 extended terminal cover	AWG 4	300 kcmil	3VA9243-0JC22	3VA9244-0JC22
Distribution lug, 6 Cables (Cu/Al cable) with 1 extended terminal cover	AWG 14	AWG 2	3VA9243-0JF60	3VA9244-0JF60
Copper body lug (Cu cable only) single cable lugs kit of 3 single lugs (meets requirements for 100% rated breakers)	AWG 14	1/0	3VA9143-0JD11	3VA9144-0JD11
	AWG 6	350 kcmil	3VA9243-0JD12	3VA9244-0JD12
Copper body lug (Cu cable only) with control wire tap single cable lugs	AWG 14	1/0	3VA9143-0JK11	3VA9144-0JK11
	AWG 6	350 kcmil	3VA9243-0JK12	3VA9244-0JK12

Interrupting Ratings for 3VA61

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

Dimensions

Shipping Weight

Breaker	Poles	W in. (mm)	H in. (mm)	D in. (mm)	lbs.	kg
3VA61	3	4.1 (105)	7.8 (198)	3.4 (86)	5.5	2.5
3VA61	4	5.5 (140)	7.8 (198)	3.4 (86)	7.1	3.2

Trip Settings for 3VA61

ETU320-LI, ETU330-LIG, ETU350-LSI

Continuous Amperage	LI, LIG, LSI			LSI		LIG	LI, LIG, LSI 4P only
I _n (Amp)	I _n (Amp) (L)	t _{in} (sec) (L)	I _n (Amp) (LI)①	I _{in} =xI _n (Amp) (S)	t _{in} (sec) (S)	I _n (Amp) (G)	I _n =xI _n (Amp)
40	15 - 40	0.5 - 17	60-480	1.5 - 10	0.08 - 0.4	15 - 40	1 / OFF
100	40 - 100	0.5 - 17	150-1200	1.5 - 10		20 - 100	0.5 - 1 / OFF
150	60 - 150	0.5 - 17	225-1500	1.5 - 10		30 - 150	0.5 - 1 / OFF

① I_n for ETU350 is fixed at 12X I_n

ETU550-LSI, ETU556 LSI(A), ETU560-LSIG, ETU820-LI, ETU830-LIG, ETU850-LSI, ETU856 LSI(A), ETU860-LSIG

Continuous Amperage	LI, LIG, LSI, LSIG, LSI(G)			LSI, LSIG, LSI(G)		LIG, LSIG, LSI(G)		LSI 3P with External CT	LI, LIG, LSI, LSIG, LSI(G) 4P only
I _n (Amp)	I _n (Amp) (L)	t _{in} (sec) (L)	I _n (Amp) (LI)	I _{in} (Amp) (S)	t _{in} (sec) (S)	I _n (Amp) (G)	t _{in} (G)	I _n =xI _n (Amp)	I _n (Amp)
40	15 - 40	0.5 - 25	60-480	24 - 400	0.05 - 0.5	15 - 40	0.05 - 0.8	15 - 64 / OFF	15 - 64 / OFF
100	40 - 100	0.5 - 25	150-1200	60 - 1000		20 - 100		20 - 160 / OFF	20 - 150 / OFF
150	60 - 150	0.5 - 20	225-1500	90 - 1500		30 - 150		30 - 240 / OFF	30 - 150 / OFF

For specific trip settings refer to the Electronic Trip Unit section of the 3VA Systems Manual, which can be found in the document download center at https://www.siemens.com/download?BTLV_50412.

Internal accessories Optional equipment		3VA6 150/250 A 3-pole										3VA6 150/250 A 4-pole									
Slot No.:		24	23	24	21	250 A	11	12	13	14		24	23	22	21	250 A	11	12	13	14	
Auxiliary switch	Type																				
	AUX_HQ	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x	
	AUX_HQ_el	x	x	x	x		x	x	x	x		x	x	x	x		x	x	x	x	
Auxiliary switch	AUX_HP																				
	LCS_HQ																				
	LCS_HQ_el																				
Leading changeover switch	LCS_HP																				
	Type																				
	TAS_HQ																				
Trip alarm switch	TAS_HQ_el																				
	TAS_HP																				
	EAS_HQ																				
Electrical alarm switch	EAS_HQ_el																				
	Type																				
	Shunt trip flexible																				
Shunt trip left	STL																				
	Undervoltage release																				
	Universal release																				
ETU/communication	UVR																				
	UVR																				
	UVR																				
Communication module	COM060																				
	Breaker data server																				
	24 V module																				
Other	Cylinder lock (type Ronis)																				

Molded Case Circuit Breakers

3VA52 250A Thermal-magnetic Trip Circuit Breakers

Selection

3VA52 250 A Frame, 2-(3)Pole Thermal-Magnetic Trip Unit

Cont. Ampere Rating	M-Interrupting Class (MFAS)	H-Interrupting Class (HFAS)	C-Interrupting Class (CFAS)
	Catalogue Number	Catalogue Number	Catalogue Number
TM210 FTFM			
40	3VA5240-5ED61-0AA0	3VA5240-6ED61-0AA0	3VA5240-7ED61-0AA0
45	3VA5245-5ED61-0AA0	3VA5245-6ED61-0AA0	3VA5245-7ED61-0AA0
50	3VA5250-5ED61-0AA0	3VA5250-6ED61-0AA0	3VA5250-7ED61-0AA0
60	3VA5260-5ED61-0AA0	3VA5260-6ED61-0AA0	3VA5260-7ED61-0AA0
70	3VA5270-5ED61-0AA0	3VA5270-6ED61-0AA0	3VA5270-7ED61-0AA0
80	3VA5280-5ED61-0AA0	3VA5280-6ED61-0AA0	3VA5280-7ED61-0AA0
90	3VA5290-5ED61-0AA0	3VA5290-6ED61-0AA0	3VA5290-7ED61-0AA0
100	3VA5210-5ED61-0AA0	3VA5210-6ED61-0AA0	3VA5210-7ED61-0AA0
110	3VA5211-5ED61-0AA0	3VA5211-6ED61-0AA0	3VA5211-7ED61-0AA0
125	3VA5212-5ED61-0AA0	3VA5212-6ED61-0AA0	3VA5212-7ED61-0AA0
150	3VA5215-5ED61-0AA0	3VA5215-6ED61-0AA0	3VA5215-7ED61-0AA0
175	3VA5217-5ED61-0AA0	3VA5217-6ED61-0AA0	3VA5217-7ED61-0AA0
200	3VA5220-5ED61-0AA0	3VA5220-6ED61-0AA0	3VA5220-7ED61-0AA0
225	3VA5222-5ED61-0AA0	3VA5222-6ED61-0AA0	3VA5222-7ED61-0AA0
250	3VA5225-5ED61-0AA0	3VA5225-6ED61-0AA0	3VA5225-7ED61-0AA0
TM230 FTAM			
70	3VA5270-5EC61-0AA0	3VA5270-6EC61-0AA0	3VA5270-7EC61-0AA0
80	3VA5280-5EC61-0AA0	3VA5280-6EC61-0AA0	3VA5280-7EC61-0AA0
90	3VA5290-5EC61-0AA0	3VA5290-6EC61-0AA0	3VA5290-7EC61-0AA0
100	3VA5210-5EC61-0AA0	3VA5210-6EC61-0AA0	3VA5210-7EC61-0AA0
110	3VA5211-5EC61-0AA0	3VA5211-6EC61-0AA0	3VA5211-7EC61-0AA0
125	3VA5212-5EC61-0AA0	3VA5212-6EC61-0AA0	3VA5212-7EC61-0AA0
150	3VA5215-5EC61-0AA0	3VA5215-6EC61-0AA0	3VA5215-7EC61-0AA0
175	3VA5217-5EC61-0AA0	3VA5217-6EC61-0AA0	3VA5217-7EC61-0AA0
200	3VA5220-5EC61-0AA0	3VA5220-6EC61-0AA0	3VA5220-7EC61-0AA0
225	3VA5222-5EC61-0AA0	3VA5222-6EC61-0AA0	3VA5222-7EC61-0AA0
250	3VA5225-5EC61-0AA0	3VA5225-6EC61-0AA0	3VA5225-7EC61-0AA0



3VA52 250A 3-Pole

Ordering Information

The catalog numbers listed here are for complete, non-interchangeable trip circuit breakers without lugs.

Order required lugs or connection technology separately for field installation.

All 3VA52 thermal-magnetic trip circuit breakers are CSA approved / UL listed for reverse feed applications.

For NAVAL rated thermal-magnetic trip circuit breakers, change the 13th digit of the catalog number to the number "1". (For example, a 18kA @600VAC, 150A, 3-pole, NAVAL rated 3VA52 would be catalog number 3VA5215-5ED31-1AA0)

Dimensions

Shipping Weight

Breaker	Poles	W in. (mm)	H in. (mm)	D in. (mm)	lbs.	kg
3VA52	2(3-) pole	4.1 (105)	7.3 (185)	3.3 (83)	4.1	1.9
3VA52	3-pole	4.1 (105)	7.3 (185)	3.3 (83)	4.5	2.1

Molded Case Circuit Breakers

3VA52 250A Thermal-magnetic Trip Circuit Breakers

Selection

3VA52 250 A Frame, 3-Pole Thermal-Magnetic Trip Unit

Cont. Ampere Rating	M-Interrupting Class (MFAS)	H-Interrupting Class (HFAS)	C-Interrupting Class (CFAS)
	Catalog Number	Catalog Number	Catalog Number

TM210 FTFM®

40	3VA5240-5ED31-0AA0	3VA5240-6ED31-0AA0	3VA5240-7ED31-0AA0
45	3VA5245-5ED31-0AA0	3VA5245-6ED31-0AA0	3VA5245-7ED31-0AA0
50	3VA5250-5ED31-0AA0	3VA5250-6ED31-0AA0	3VA5250-7ED31-0AA0
60	3VA5260-5ED31-0AA0	3VA5260-6ED31-0AA0	3VA5260-7ED31-0AA0
70	3VA5270-5ED31-0AA0	3VA5270-6ED31-0AA0	3VA5270-7ED31-0AA0
80	3VA5280-5ED31-0AA0	3VA5280-6ED31-0AA0	3VA5280-7ED31-0AA0
90	3VA5290-5ED31-0AA0	3VA5290-6ED31-0AA0	3VA5290-7ED31-0AA0
100	3VA5210-5ED31-0AA0	3VA5210-6ED31-0AA0	3VA5210-7ED31-0AA0
110	3VA5211-5ED31-0AA0	3VA5211-6ED31-0AA0	3VA5211-7ED31-0AA0
125	3VA5212-5ED31-0AA0	3VA5212-6ED31-0AA0	3VA5212-7ED31-0AA0
150	3VA5215-5ED31-0AA0	3VA5215-6ED31-0AA0	3VA5215-7ED31-0AA0
175	3VA5217-5ED31-0AA0	3VA5217-6ED31-0AA0	3VA5217-7ED31-0AA0
200	3VA5220-5ED31-0AA0	3VA5220-6ED31-0AA0	3VA5220-7ED31-0AA0
225	3VA5222-5ED31-0AA0	3VA5222-6ED31-0AA0	3VA5222-7ED31-0AA0
250	3VA5225-5ED31-0AA0	3VA5225-6ED31-0AA0	3VA5225-7ED31-0AA0

TM230 FTAM®

70	3VA5270-5EC31-0AA0	3VA5270-6EC31-0AA0	3VA5270-7EC31-0AA0
80	3VA5280-5EC31-0AA0	3VA5280-6EC31-0AA0	3VA5280-7EC31-0AA0
90	3VA5290-5EC31-0AA0	3VA5290-6EC31-0AA0	3VA5290-7EC31-0AA0
100	3VA5210-5EC31-0AA0	3VA5210-6EC31-0AA0	3VA5210-7EC31-0AA0
110	3VA5211-5EC31-0AA0	3VA5211-6EC31-0AA0	3VA5211-7EC31-0AA0
125	3VA5212-5EC31-0AA0	3VA5212-6EC31-0AA0	3VA5212-7EC31-0AA0
150	3VA5215-5EC31-0AA0	3VA5215-6EC31-0AA0	3VA5215-7EC31-0AA0
175	3VA5217-5EC31-0AA0	3VA5217-6EC31-0AA0	3VA5217-7EC31-0AA0
200	3VA5220-5EC31-0AA0	3VA5220-6EC31-0AA0	3VA5220-7EC31-0AA0
225	3VA5222-5EC31-0AA0	3VA5222-6EC31-0AA0	3VA5222-7EC31-0AA0
250	3VA5225-5EC31-0AA0	3VA5225-6EC31-0AA0	3VA5225-7EC31-0AA0

TM240 ATAM

70	3VA5270-5EF31-0AA0	3VA5270-6EF31-0AA0	3VA5270-7EF31-0AA0
80	3VA5280-5EF31-0AA0	3VA5280-6EF31-0AA0	3VA5280-7EF31-0AA0
100	3VA5210-5EF31-0AA0	3VA5210-6EF31-0AA0	3VA5210-7EF31-0AA0
125	3VA5212-5EF31-0AA0	3VA5212-6EF31-0AA0	3VA5212-7EF31-0AA0
150	3VA5215-5EF31-0AA0	3VA5215-6EF31-0AA0	3VA5215-7EF31-0AA0
175	3VA5217-5EF31-0AA0	3VA5217-6EF31-0AA0	3VA5217-7EF31-0AA0
200	3VA5220-5EF31-0AA0	3VA5220-6EF31-0AA0	3VA5220-7EF31-0AA0
250	3VA5225-5EF31-0AA0	3VA5225-6EF31-0AA0	3VA5225-7EF31-0AA0

Ordering Information

The catalog numbers listed here are for complete, non-interchangeable trip circuit breakers without lugs.

Order required lugs or connection technology separately for field installation.

All 3VA52 thermal-magnetic trip circuit breakers are CSA approved / UL listed for reverse feed applications.

For NAVAL rated thermal-magnetic trip circuit breakers, change the 13th digit of the catalog number to the number "1". (For example, a 18kA @600VAC, 150A, 3-pole, NAVAL rated 3VA52 would be catalog number 3VA5215-5ED31-1AA0)

Dimensions

Breaker	Poles	W in. (mm)	H in. (mm)	D in. (mm)	lbs.	kg
3VA52	2(3-) pole	4.1 (105)	7.3 (185)	3.3 (83)	4.1	1.9
3VA52	3-pole	4.1 (105)	7.3 (185)	3.3 (83)	4.5	2.1

Shipping Weight



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Siemens Canada full line distributor

SIEMENS

Molded Case Circuit Breakers

3VA52 250A Thermal-magnetic Trip Circuit Breakers

Selection

3VA52 250A Frame, 4-pole Thermal-Magnetic Trip Unit

Cont. Ampere Rating	M-Interrupting Class (MFAS)	H-Interrupting Class (HFAS)	C-Interrupting Class (CFAS)
	Catalog Number	Catalog Number	Catalog Number
TM210 FTFM			
40	3VA5240-5ED41-0AA0	3VA5240-6ED41-0AA0	3VA5240-7ED41-0AA0
45	3VA5245-5ED41-0AA0	3VA5245-6ED41-0AA0	3VA5245-7ED41-0AA0
50	3VA5250-5ED41-0AA0	3VA5250-6ED41-0AA0	3VA5250-7ED41-0AA0
60	3VA5260-5ED41-0AA0	3VA5260-6ED41-0AA0	3VA5260-7ED41-0AA0
70	3VA5270-5ED41-0AA0	3VA5270-6ED41-0AA0	3VA5270-7ED41-0AA0
80	3VA5280-5ED41-0AA0	3VA5280-6ED41-0AA0	3VA5280-7ED41-0AA0
90	3VA5290-5ED41-0AA0	3VA5290-6ED41-0AA0	3VA5290-7ED41-0AA0
100	3VA5210-5ED41-0AA0	3VA5210-6ED41-0AA0	3VA5210-7ED41-0AA0
110	3VA5211-5ED41-0AA0	3VA5211-6ED41-0AA0	3VA5211-7ED41-0AA0
125	3VA5212-5ED41-0AA0	3VA5212-6ED41-0AA0	3VA5212-7ED41-0AA0
150	3VA5215-5ED41-0AA0	3VA5215-6ED41-0AA0	3VA5215-7ED41-0AA0
175	3VA5217-5ED41-0AA0	3VA5217-6ED41-0AA0	3VA5217-7ED41-0AA0
200	3VA5220-5ED41-0AA0	3VA5220-6ED41-0AA0	3VA5220-7ED41-0AA0
225	3VA5222-5ED41-0AA0	3VA5222-6ED41-0AA0	3VA5222-7ED41-0AA0
250	3VA5225-5ED41-0AA0	3VA5225-6ED41-0AA0	3VA5225-7ED41-0AA0
TM210 FTFM 100% Neutral			
90	3VA5290-5GD41-0AA0	3VA5290-6GD41-0AA0	3VA5290-7GD41-0AA0
100	3VA5210-5GD41-0AA0	3VA5210-6GD41-0AA0	3VA5210-7GD41-0AA0
110	3VA5211-5GD41-0AA0	3VA5211-6GD41-0AA0	3VA5211-7GD41-0AA0
125	3VA5212-5GD41-0AA0	3VA5212-6GD41-0AA0	3VA5212-7GD41-0AA0
150	3VA5215-5GD41-0AA0	3VA5215-6GD41-0AA0	3VA5215-7GD41-0AA0
175	3VA5217-5GD41-0AA0	3VA5217-6GD41-0AA0	3VA5217-7GD41-0AA0
200	3VA5220-5GD41-0AA0	3VA5220-6GD41-0AA0	3VA5220-7GD41-0AA0
225	3VA5222-5GD41-0AA0	3VA5222-6GD41-0AA0	3VA5222-7GD41-0AA0
250	3VA5225-5GD41-0AA0	3VA5225-6GD41-0AA0	3VA5225-7GD41-0AA0
TM230 FTAM			
70	3VA5270-5EC41-0AA0	3VA5270-6EC41-0AA0	3VA5270-7EC41-0AA0
80	3VA5280-5EC41-0AA0	3VA5280-6EC41-0AA0	3VA5280-7EC41-0AA0
90	3VA5290-5EC41-0AA0	3VA5290-6EC41-0AA0	3VA5290-7EC41-0AA0
100	3VA5210-5EC41-0AA0	3VA5210-6EC41-0AA0	3VA5210-7EC41-0AA0
110	3VA5211-5EC41-0AA0	3VA5211-6EC41-0AA0	3VA5211-7EC41-0AA0
125	3VA5212-5EC41-0AA0	3VA5212-6EC41-0AA0	3VA5212-7EC41-0AA0
150	3VA5215-5EC41-0AA0	3VA5215-6EC41-0AA0	3VA5215-7EC41-0AA0
175	3VA5217-5EC41-0AA0	3VA5217-6EC41-0AA0	3VA5217-7EC41-0AA0
200	3VA5220-5EC41-0AA0	3VA5220-6EC41-0AA0	3VA5220-7EC41-0AA0
225	3VA5222-5EC41-0AA0	3VA5222-6EC41-0AA0	3VA5222-7EC41-0AA0
250	3VA5225-5EC41-0AA0	3VA5225-6EC41-0AA0	3VA5225-7EC41-0AA0
TM230 FTAM 100% Neutral			
90	3VA5290-5GC41-0AA0	3VA5290-6GC41-0AA0	3VA5290-7GC41-0AA0
100	3VA5210-5GC41-0AA0	3VA5210-6GC41-0AA0	3VA5210-7GC41-0AA0
110	3VA5211-5GC41-0AA0	3VA5211-6GC41-0AA0	3VA5211-7GC41-0AA0
125	3VA5212-5GC41-0AA0	3VA5212-6GC41-0AA0	3VA5212-7GC41-0AA0
150	3VA5215-5GC41-0AA0	3VA5215-6GC41-0AA0	3VA5215-7GC41-0AA0
175	3VA5217-5GC41-0AA0	3VA5217-6GC41-0AA0	3VA5217-7GC41-0AA0
200	3VA5220-5GC41-0AA0	3VA5220-6GC41-0AA0	3VA5220-7GC41-0AA0
225	3VA5222-5GC41-0AA0	3VA5222-6GC41-0AA0	3VA5222-7GC41-0AA0
250	3VA5225-5GC41-0AA0	3VA5225-6GC41-0AA0	3VA5225-7GC41-0AA0
TM240 ATAM			
70	3VA5270-5EF41-0AA0	3VA5270-6EF41-0AA0	3VA5270-7EF41-0AA0
80	3VA5280-5EF41-0AA0	3VA5280-6EF41-0AA0	3VA5280-7EF41-0AA0
100	3VA5210-5EF41-0AA0	3VA5210-6EF41-0AA0	3VA5210-7EF41-0AA0
125	3VA5212-5EF41-0AA0	3VA5212-6EF41-0AA0	3VA5212-7EF41-0AA0
150	3VA5215-5EF41-0AA0	3VA5215-6EF41-0AA0	3VA5215-7EF41-0AA0
175	3VA5217-5EF41-0AA0	3VA5217-6EF41-0AA0	3VA5217-7EF41-0AA0
200	3VA5220-5EF41-0AA0	3VA5220-6EF41-0AA0	3VA5220-7EF41-0AA0
250	3VA5225-5EF41-0AA0	3VA5225-6EF41-0AA0	3VA5225-7EF41-0AA0
TM240 ATAM 100% Neutral			
100	3VA5210-5GF41-0AA0	3VA5210-6GF41-0AA0	3VA5210-7GF41-0AA0
125	3VA5212-5GF41-0AA0	3VA5212-6GF41-0AA0	3VA5212-7GF41-0AA0
150	3VA5215-5GF41-0AA0	3VA5215-6GF41-0AA0	3VA5215-7GF41-0AA0
175	3VA5217-5GF41-0AA0	3VA5217-6GF41-0AA0	3VA5217-7GF41-0AA0
200	3VA5220-5GF41-0AA0	3VA5220-6GF41-0AA0	3VA5220-7GF41-0AA0
250	3VA5225-5GF41-0AA0	3VA5225-6GF41-0AA0	3VA5225-7GF41-0AA0

3VA52 250A Thermal-magnetic Trip Circuit Breakers

Technical information

Interrupting Ratings for 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

Trip Settings for 3VA52

TM210 - FTFM		
I _e (A)	I _i (A)	I _i (A)
100	100	1000
110	110	1100
125	125	1250
150	150	1500
175	175	1750
200	200	2000
225	225	2250
250	250	2500

TM230 - FTAM							
I _n (A)	I _i (A)	I _i (A)					
100	100	500	600	700	800	900	1000
110	110	550	660	770	880	990	1100
125	125	625	750	875	1000	1125	1125
150	150	750	900	1050	1200	1350	1500
175	175	875	1050	1225	1400	1575	1750
200	200	1000	1200	1400	1600	1800	2000
225	225	1125	1350	1575	1800	2025	2250
250	250	1250	1500	1750	2000	2250	2500

Connectors for 75C Wire for 3VA52

Type	Minimum cable size	Maximum cable size	Part Number (kit of 3 lugs)
Steel wrap around (Cu cable only), single cable lugs	AWG 10	3/0	3VA9233-0JA11
	AWG 4	350 kcmil	3VA9233-0JA12
Aluminum body lug (Cu/Al cable), single cable lugs	AWG 6	350 kcmil	3VA9233-0JB12
Aluminum body lug (Cu/Al cable) with control wire tap, single cable lugs	AWG 6	350 kcmil	3VA9233-0JG12
Aluminum body lug large (Cu/Al cable) single cable lugs with 1 extended terminal cover	AWG 2	350 kcmil	3VA9233-0JJ13
Aluminum body lug large with control wire tap (Cu/Al cable) single cable lugs and 1 extended terminal cover	AWG 2	350 kcmil	3VA9233-0JC13
Aluminum body lug, 2 cables (Cu/Al cable) with control wire tap and 1 extended terminal cover	AWG 4	300 kcmil	3VA9233-0JJ22
Distribution lug, 6 Cables (Cu/Al cable) with 1 extended terminal cover	AWG 14	AWG 2	3VA9233-0JF60
Copper body lug (Cu cable only) single cable lugs	AWG 6	350 kcmil	3VA9233-0JD12
Copper body lug with control wire tap (Cu cable only) single cable lugs	AWG 6	350 kcmil	3VA9233-0JK12

Internal accessories	
Optional equipment	
	Slot No.:
Auxiliary switch	Type
Auxiliary switch	AUX_HQ
	AUX_HQ_el
	AUX_HP
Leading changeover switch	LCS_HQ
	LCS_HQ_el
	LCS_HP
Auxiliary switch	Type
Trip alarm switch	TAS_HQ
	TAS_HQ_el
	TAS_HP
Auxiliary switch	Type
Shunt trip flexible	STF
Shunt trip left	STL
Undervoltage release	UVR
Universal release	UVI
Other	
Cylinder lock (type Ronis)	

[illegible]

Molded Case Circuit Breakers

3VA62 250A Electronic Trip Circuit Breakers

Selection



3VA62 250A 3-Pole

Ordering Information

The catalog numbers listed below are for complete, non-interchangeable trip circuit breakers without lugs.

Order required lugs or connection technology separately for field installation.

All 3VA62 electronic trip circuit breakers are CSA approved and UL listed for reverse feed applications.

All 3VA62 electronic trip circuit breakers are available with 100% ratings.

For 100% rated electronic trip circuit breakers, change the 13th digit of the catalog number to the number "2". (For example, a 18kA @600VAC, 100A, 3-pole, 100% rated 3VA62 would be catalog number 3VA6210-5HL31-2AA0) Requires the use of copper lugs — see lug table below.

All 3VA6 circuit breakers are certified to CSA C22.2 No 5, and UL 489 Supplement SB, are marked "Naval", and are suitable for use at 50C.

3VA62 250A Frame 3-Pole Electronic Trip Unit

Continuous Ampere	M-Interrupting Class (MFAE-Y)	H-Interrupting Class (HFAE-Y)	C-Interrupting Class (CFAE-Y)	L-Interrupting Class (LFAE-Y)	E-Interrupting Class (EFAE)
	Catalogue Number	Catalogue Number	Catalogue Number	Catalogue Number	Catalog Number
ETU320 LI with dials					
100	3VA6210-5HL31-0AA0	3VA6210-6HL31-0AA0	3VA6210-7HL31-0AA0	3VA6210-8HL31-0AA0	—
250	3VA6225-5HL31-0AA0	3VA6225-6HL31-0AA0	3VA6225-7HL31-0AA0	3VA6225-8HL31-0AA0	3VA6225-0HL31-0AA0
ETU330 LIG with dials					
100	3VA6210-5HM31-0AA0	3VA6210-6HM31-0AA0	3VA6210-7HM31-0AA0	3VA6210-8HM31-0AA0	—
250	3VA6225-5HM31-0AA0	3VA6225-6HM31-0AA0	3VA6225-7HM31-0AA0	3VA6225-8HM31-0AA0	3VA6225-0HM31-0AA0
ETU350 LSI with dials					
100	3VA6210-5HN31-0AA0	3VA6210-6HN31-0AA0	3VA6210-7HN31-0AA0	3VA6210-8HN31-0AA0	—
250	3VA6225-5HN31-0AA0	3VA6225-6HN31-0AA0	3VA6225-7HN31-0AA0	3VA6225-8HN31-0AA0	3VA6225-0HN31-0AA0
ETU550 LSI with LCD					
100	3VA6210-5JP31-0AA0	3VA6210-6JP31-0AA0	3VA6210-7JP31-0AA0	3VA6210-8JP31-0AA0	—
250	3VA6225-5JP31-0AA0	3VA6225-6JP31-0AA0	3VA6225-7JP31-0AA0	3VA6225-8JP31-0AA0	—
ETU556 LSI(G Alarm) with LCD					
100	3VA6210-5JT31-0AA0	3VA6210-6JT31-0AA0	3VA6210-7JT31-0AA0	3VA6210-8JT31-0AA0	—
250	3VA6225-5JT31-0AA0	3VA6225-6JT31-0AA0	3VA6225-7JT31-0AA0	3VA6225-8JT31-0AA0	—
ETU560 LSI(G) with LCD					
100	3VA6210-5JQ31-0AA0	3VA6210-6JQ31-0AA0	3VA6210-7JQ31-0AA0	3VA6210-8JQ31-0AA0	—
250	3VA6225-5JQ31-0AA0	3VA6225-6JQ31-0AA0	3VA6225-7JQ31-0AA0	3VA6225-8JQ31-0AA0	—
ETU820 LI with LCD and Metering					
100	3VA6210-5KL31-0AA0	3VA6210-6KL31-0AA0	3VA6210-7KL31-0AA0	3VA6210-8KL31-0AA0	—
250	3VA6225-5KL31-0AA0	3VA6225-6KL31-0AA0	3VA6225-7KL31-0AA0	3VA6225-8KL31-0AA0	—
ETU830 LIG with LCD and Metering					
100	3VA6210-5KM31-0AA0	3VA6210-6KM31-0AA0	3VA6210-7KM31-0AA0	3VA6210-8KM31-0AA0	—
250	3VA6225-5KM31-0AA0	3VA6225-6KM31-0AA0	3VA6225-7KM31-0AA0	3VA6225-8KM31-0AA0	—
ETU850 LSI with LCD and Metering					
100	3VA6210-5KP31-0AA0	3VA6210-6KP31-0AA0	3VA6210-7KP31-0AA0	3VA6210-8KP31-0AA0	—
250	3VA6225-5KP31-0AA0	3VA6225-6KP31-0AA0	3VA6225-7KP31-0AA0	3VA6225-8KP31-0AA0	—
ETU856 LSI(G Alarm) with LCD and Metering					
100	3VA6210-5KT31-0AA0	3VA6210-6KT31-0AA0	3VA6210-7KT31-0AA0	3VA6210-8KT31-0AA0	—
250	3VA6225-5KT31-0AA0	3VA6225-6KT31-0AA0	3VA6225-7KT31-0AA0	3VA6225-8KT31-0AA0	3VA6225-0KT31-0AA0
ETU860 LSI(G) with LCD and Metering					
100	3VA6210-5KQ31-0AA0	3VA6210-6KQ31-0AA0	3VA6210-7KQ31-0AA0	3VA6210-8KQ31-0AA0	—
250	3VA6225-5KQ31-0AA0	3VA6225-6KQ31-0AA0	3VA6225-7KQ31-0AA0	3VA6225-8KQ31-0AA0	3VA6225-0KQ31-0AA0

Molded Case Circuit Breakers

3VA62 250A Electronic Trip Circuit Breakers

Selection



3VA62 250A 4-Pole

Ordering Information

The catalog numbers listed below are for complete, non-interchangeable trip circuit breakers without lugs.

Order required lugs or connection technology separately for field installation.

All 3VA62 electronic trip circuit breakers are CSA approved and UL listed for reverse feed applications.

All 3VA62 electronic trip circuit breakers are available with 100% ratings.

For 100% rated electronic trip circuit breakers, change the 13th digit of the catalog number to the number "2". (For example, a 18kA @600VAC, 100A, 3-pole, 100% rated 3VA62 would be catalog number 3VA6210-5HL31-2AA0) Requires the use of copper lugs — see lug table below.

All 3VA6 circuit breakers are certified to CSA C22.2 No 5, and UL 489 Supplement SB, are marked "Naval", and are suitable for use at 50C.

3VA62 250A Frame 4-Pole Electronic Trip Unit

Continuous Ampere	M-Interrupting Class (MFAE-Y)	H-Interrupting Class (HFAE-Y)	C-Interrupting Class (CFAE-Y)	L-Interrupting Class (LFAE-Y)	E-Interrupting Class (EFAE)
	Catalog Number	Catalog Number	Catalog Number	Catalog Number	Catalog Number
ETU320 LI with dials					
100	3VA6210-5HL41-0AA0	3VA6210-6HL41-0AA0	3VA6210-7HL41-0AA0	3VA6210-8HL41-0AA0	—
250	3VA6225-5HL41-0AA0	3VA6225-6HL41-0AA0	3VA6225-7HL41-0AA0	3VA6225-8HL41-0AA0	3VA6225-0HL41-0AA0
ETU330 LIG with dials					
100	3VA6210-5HM41-0AA0	3VA6210-6HM41-0AA0	3VA6210-7HM41-0AA0	3VA6210-8HM41-0AA0	—
250	3VA6225-5HM41-0AA0	3VA6225-6HM41-0AA0	3VA6225-7HM41-0AA0	3VA6225-8HM41-0AA0	3VA6225-0HM41-0AA0
ETU350 LSI with dials					
100	3VA6210-5HN41-0AA0	3VA6210-6HN41-0AA0	3VA6210-7HN41-0AA0	3VA6210-8HN41-0AA0	—
250	3VA6225-5HN41-0AA0	3VA6225-6HN41-0AA0	3VA6225-7HN41-0AA0	3VA6225-8HN41-0AA0	3VA6225-0HN41-0AA0
ETU550 LSI with LCD					
100	3VA6210-5JP41-0AA0	3VA6210-6JP41-0AA0	3VA6210-7JP41-0AA0	3VA6210-8JP41-0AA0	—
250	3VA6225-5JP41-0AA0	3VA6225-6JP41-0AA0	3VA6225-7JP41-0AA0	3VA6225-8JP41-0AA0	—
ETU556 LSI(G Alarm) with LCD					
100	3VA6210-5JT41-0AA0	3VA6210-6JT41-0AA0	3VA6210-7JT41-0AA0	3VA6210-8JT41-0AA0	—
250	3VA6225-5JT41-0AA0	3VA6225-6JT41-0AA0	3VA6225-7JT41-0AA0	3VA6225-8JT41-0AA0	—
ETU560 LSI(G) with LCD					
100	3VA6210-5JQ41-0AA0	3VA6210-6JQ41-0AA0	3VA6210-7JQ41-0AA0	3VA6210-8JQ41-0AA0	—
250	3VA6225-5JQ41-0AA0	3VA6225-6JQ41-0AA0	3VA6225-7JQ41-0AA0	3VA6225-8JQ41-0AA0	—
ETU820 LI with LCD and Metering					
100	3VA6210-5KL41-0AA0	3VA6210-6KL41-0AA0	3VA6210-7KL41-0AA0	3VA6210-8KL41-0AA0	—
250	3VA6225-5KL41-0AA0	3VA6225-6KL41-0AA0	3VA6225-7KL41-0AA0	3VA6225-8KL41-0AA0	—
ETU830 LIG with LCD and Metering					
100	3VA6210-5KM41-0AA0	3VA6210-6KM41-0AA0	3VA6210-7KM41-0AA0	3VA6210-8KM41-0AA0	—
250	3VA6225-5KM41-0AA0	3VA6225-6KM41-0AA0	3VA6225-7KM41-0AA0	3VA6225-8KM41-0AA0	—
ETU850 LSI with LCD and Metering					
100	3VA6210-5KP41-0AA0	3VA6210-6KP41-0AA0	3VA6210-7KP41-0AA0	3VA6210-8KP41-0AA0	—
250	3VA6225-5KP41-0AA0	3VA6225-6KP41-0AA0	3VA6225-7KP41-0AA0	3VA6225-8KP41-0AA0	—
ETU856 LSI(G Alarm) with LCD and Metering					
100	3VA6210-5KT41-0AA0	3VA6210-6KT41-0AA0	3VA6210-7KT41-0AA0	3VA6210-8KT41-0AA0	—
250	3VA6225-5KT41-0AA0	3VA6225-6KT41-0AA0	3VA6225-7KT41-0AA0	3VA6225-8KT41-0AA0	3VA6225-0KT41-0AA0
ETU860 LSI(G) with LCD and Metering					
100	3VA6210-5KQ41-0AA0	3VA6210-6KQ41-0AA0	3VA6210-7KQ41-0AA0	3VA6210-8KQ41-0AA0	—
250	3VA6225-5KQ41-0AA0	3VA6225-6KQ41-0AA0	3VA6225-7KQ41-0AA0	3VA6225-8KQ41-0AA0	3VA6225-0KQ41-0AA0

Molded Case Circuit Breakers

3VA62 250A Electronic Trip Circuit Breakers

Technical information

Connectors for 75C wire for 3VA62

Type	Minimum cable size	Maximum cable size	Part Number (kit of 3 lugs)	Part Number (kit of 4 lugs)
Steel Wrap around (Cu cable only) single cable lugs	AWG 10	3/0	3VA9143-0JA12	3VA9144-0JA12
	AWG 4	350 kcmil	3VA9243-0JA12	3VA9244-0JA12
Aluminum Body Lug (Cu/Al cable) single cable lugs	AWG 14	1/0	3VA9143-0JB11	3VA9144-0JB11
	AWG 6	350 kcmil	3VA9243-0JB12	3VA9244-0JB12
Aluminum body lug with control wire tap (Cu/Al cable) single cable lugs	AWG 14	1/0	3VA9143-0JG11	3VA9144-0JG11
	AWG 6	350 kcmil	3VA9243-0JG12	3VA9244-0JG12
Aluminum body lug large (Cu/Al cable) single cable lugs and 1 ext'd terminal cover	AWG 2	350 kcmil	3VA9243-0JJ13	3VA9244-0JJ13
Aluminum body lug large with control wire tap (Cu/Al cable) single cable lugs and 1 extended terminal cover	AWG 2	350 kcmil	3VA9243-0JC13	3VA9244-0JC13
Aluminum body lug, 2 cables (Cu/Al cable) with 1 extended terminal cover	AWG 4	300 kcmil	3VA9243-0JJ22	3VA9244-0JJ22
Aluminum body lug, 2 cables (Cu/Al cable) with control wire tap and 1 extended terminal cover	AWG 4	300 kcmil	3VA9243-0JC22	3VA9244-0JC22
Distribution lug, 6 Cables (Cu/Al cable) with 1 extended terminal cover	AWG 14	AWG 2	3VA9243-0JF60	3VA9244-0JF60
Copper body lug (Cu cable only) single cable lugs (meets requirements for 100% rated breakers)	AWG 14	1/0	3VA9143-0JD11	3VA9144-0JD11
	AWG 6	350 kcmil	3VA9243-0JD12	3VA9244-0JD12
Copper body lug (Cu cable only) with control wire tap single cable lugs	AWG 14	1/0	3VA9143-0JK11	3VA9144-0JK11
	AWG 6	350 kcmil	3VA9243-0JK12	3VA9244-0JK12

Interrupting Ratings for 3VA62

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

Dimensions

Shipping Weight

Breaker	Poles	W in. (mm)	H in. (mm)	D in. (mm)	lbs.	kg
3VA62	3	4.1 (105)	7.8 (198)	3.4 (86)	5.5	2.5
3VA62	4	5.5 (140)	7.8 (198)	3.4 (86)	7.1	3.2

Trip Settings for 3VA62

ETU320-LI, ETU330-LIG, ETU350-LSI

Continuous Amperage	LI, LIG, LSI			LSI		LIG	LI, LIG, LSI 4P only
I _n (Amp)	I _n (Amp) (L)	t _{in} (sec) (L)	I _n (Amp) (LI)①	I _{sc} x I _r (Amp) (S)	t _{in} (sec) (S)	I _g (Amp) (G)	I _{sc} x I _r (Amp)
100	40 - 100	0.5 - 17	150-1200	1.5 - 10	0.08 - 0.4	20 - 100	0.5 - 1 / OFF
250	100 - 250	0.5 - 13	375-2500	1.5 - 10		50 - 250	0.5 - 1 / OFF

① I_n for ETU350 is fixed at 12X I_n

ETU550-LSI, ETU556 LSI(A), ETU560-LSIG, ETU820-LI, ETU830-LIG, ETU850-LSI, ETU856 LSI(A), ETU860-LSIG

Continuous Amperage	LI, LIG, LSI, LSIG, LSI(G)			LSI, LSIG, LSI(G)		LIG, LSIG, LSI(G)		LSI 3P with External CT	LI, LIG, LSI, LSIG, LSI(G) 4P only
I _n (Amp)	I _n (Amp) (L)	t _{in} (sec) (L)	I _n (Amp) (LI)	I _{sc} (Amp) (S)	t _{in} (sec) (S)	I _g (Amp) (G)	t _g (G)	I _{sc} x I _r (Amp)	I _n (Amp)
100	40 - 100	0.5 - 25	150-1200	60 - 1000	0.05 - 0.5	20 - 100	0.05 - 0.8	20 - 160 / OFF	20 - 160 / OFF
250	100 - 250	0.5 - 13	375-2500	150 - 2500		50 - 250		50 - 400 / OFF	50 - 250 / OFF

For specific trip settings refer to the Electronic Trip Unit section of the 3VA Systems Manual, which can be found in the document download center at https://www.siemens.com/download?BTLV_50412

Internal accessories Optional equipment		3VA6 150/250 A 3-pole												3VA6 150/250 A 4-pole											
Slot No.:		24	23	22	21	20	19	18	17	16	15	14	24	23	22	21	20	19	18	17	16	15	14		
Auxiliary switch		Type												Type											
Auxiliary switch	AUX_HQ	x	x	x	x								x	x	x	x									
	AUX_HQ_el	x	x	x	x								x	x	x	x									
	AUX_HP	x	x										x	x											
Leading changeover switch	LCS_HQ																								
	LCS_HQ_el																								
	LCS_HP																								
Auxiliary switch		Type												Type											
Trip alarm switch	TAS_HQ																								
	TAS_HQ_el																								
	TAS_HP																								
Electrical alarm switch	EAS_HQ																								
	EAS_HQ_el																								
Auxiliary switch		Type												Type											
Shunt trip flexible	STF																								
Shunt trip left	STL																								
Undervoltage release	UVR																								
Universal release	UVI																								
ETU/communication		Type												Type											
Communication module	COM060																								
Breaker data server																									
24 V module																									
Other																									
Cylinder lock (type Ronis)																									

Molded Case Circuit Breakers

3VA53 400A Thermal-magnetic Trip Circuit Breakers

Selection

3VA53 400A Frame, 2-(3)Pole Frame,
Thermal-Magnetic Trip Unit

Cont. Ampere Rating	M-Interrupting Class (MJAS)	H-Interrupting Class (HJAS)	C-Interrupting Class (CJAS)
	Catalog Number	Catalog Number	Catalog Number
TM230 FTAM			
200	3VA5320-5EC61-0AA0	3VA5320-6EC61-0AA0	3VA5320-7EC61-0AA0
225	3VA5322-5EC61-0AA0	3VA5322-6EC61-0AA0	3VA5322-7EC61-0AA0
250	3VA5325-5EC61-0AA0	3VA5325-6EC61-0AA0	3VA5325-7EC61-0AA0
300	3VA5330-5EC61-0AA0	3VA5330-6EC61-0AA0	3VA5330-7EC61-0AA0
350	3VA5335-5EC61-0AA0	3VA5335-6EC61-0AA0	3VA5335-7EC61-0AA0
400	3VA5340-5EC61-0AA0	3VA5340-6EC61-0AA0	3VA5340-7EC61-0AA0

3VA53 400A Frame, 3-Pole Frame,
Thermal-Magnetic Trip Unit

Cont. Ampere Rating	M-Interrupting Class (MJAS)	H-Interrupting Class (HJAS)	C-Interrupting Class (CJAS)
	Catalog Number	Catalog Number	Catalog Number
TM230 FTAM®			
200	3VA5320-5EC31-0AA0	3VA5320-6EC31-0AA0	3VA5320-7EC31-0AA0
225	3VA5322-5EC31-0AA0	3VA5322-6EC31-0AA0	3VA5322-7EC31-0AA0
250	3VA5325-5EC31-0AA0	3VA5325-6EC31-0AA0	3VA5325-7EC31-0AA0
300	3VA5330-5EC31-0AA0	3VA5330-6EC31-0AA0	3VA5330-7EC31-0AA0
350	3VA5335-5EC31-0AA0	3VA5335-6EC31-0AA0	3VA5335-7EC31-0AA0
400	3VA5340-5EC31-0AA0	3VA5340-6EC31-0AA0	3VA5340-7EC31-0AA0

TM240 ATAM						
200	3VA5320-5EF31-0AA0		3VA5320-6EF31-0AA0		3VA5320-7EF31-0AA0	
225	3VA5322-5EF31-0AA0		3VA5322-6EF31-0AA0		3VA5322-7EF31-0AA0	
250	3VA5325-5EF31-0AA0		3VA5325-6EF31-0AA0		3VA5325-7EF31-0AA0	
300	3VA5330-5EF31-0AA0		3VA5330-6EF31-0AA0		3VA5330-7EF31-0AA0	
350	3VA5335-5EF31-0AA0		3VA5335-6EF31-0AA0		3VA5335-7EF31-0AA0	
400	3VA5340-5EF31-0AA0		3VA5340-6EF31-0AA0		3VA5340-7EF31-0AA0	

Dimensions

Breaker	Poles	W in. (mm)	H in. (mm)	D in. (mm)	lbs.	kg
3VA53	3	6.4 (162)	10.3 (262)	6.7 (170)	11.5	5.2
3VA53	4	8.2 (208)	10.3 (262)	6.7 (170)	15.0	6.8

Shipping Weight

Interrupting Ratings for 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	65	35	35	18	18	50	50	6	50	6
H	HJAS	100	65	65	25	25	85	85	6	85	6
C	CJAS	200	100	100	35	35	100	100	10	100	10



3VA53 400A 3-Pole

Ordering Information

The catalog numbers listed here are for complete, non-interchangeable trip circuit breakers without lugs.

Order required lugs or connection technology separately for field installation.

All 3VA53 thermal-magnetic trip circuit breakers are CSA approved and UL listed for reverse feed applications.

For NAVAL rated thermal-magnetic trip circuit breakers, change the 13th digit of the catalog number to the number "1". (For example, a 18kA @600VAC, 400A, 3-pole, rated 3VA53 would be catalog number 3VA5340-5EC31-1AA0)

3VA53 400A Thermal-magnetic Trip Circuit Breakers

Selection

3VA53 400A Frame, 4-Pole Frame,
Thermal-Magnetic Trip Unit

Cont. Ampere Rating	M-Interrupting Class (MJAS)	H-Interrupting Class (HJAS)	C-Interrupting Class (CJAS)
	Catalog Number	Catalog Number	Catalog Number

TM230 FTAM Unprotected Neutral

200	3VA5320-5EC41-0AA0	3VA5320-6EC41-0AA0	3VA5320-7EC41-0AA0
225	3VA5322-5EC41-0AA0	3VA5322-6EC41-0AA0	3VA5322-7EC41-0AA0
250	3VA5325-5EC41-0AA0	3VA5325-6EC41-0AA0	3VA5325-7EC41-0AA0
300	3VA5330-5EC41-0AA0	3VA5330-6EC41-0AA0	3VA5330-7EC41-0AA0
350	3VA5335-5EC41-0AA0	3VA5335-6EC41-0AA0	3VA5335-7EC41-0AA0
400	3VA5340-5EC41-0AA0	3VA5340-6EC41-0AA0	3VA5340-7EC41-0AA0

TM240 ATAM Unprotected Neutral

200	3VA5320-5EF41-0AA0	3VA5320-6EF41-0AA0	3VA5320-7EF41-0AA0
225	3VA5322-5EF41-0AA0	3VA5322-6EF41-0AA0	3VA5322-7EF41-0AA0
250	3VA5325-5EF41-0AA0	3VA5325-6EF41-0AA0	3VA5325-7EF41-0AA0
300	3VA5330-5EF41-0AA0	3VA5330-6EF41-0AA0	3VA5330-7EF41-0AA0
350	3VA5335-5EF41-0AA0	3VA5335-6EF41-0AA0	3VA5335-7EF41-0AA0
400	3VA5340-5EF41-0AA0	3VA5340-6EF41-0AA0	3VA5340-7EF41-0AA0

TM230 FTAM 100% Neutral

200	3VA5320-5GC41-0AA0	3VA5320-6GC41-0AA0	3VA5320-7GC41-0AA0
225	3VA5322-5GC41-0AA0	3VA5322-6GC41-0AA0	3VA5322-7GC41-0AA0
250	3VA5325-5GC41-0AA0	3VA5325-6GC41-0AA0	3VA5325-7GC41-0AA0
300	3VA5330-5GC41-0AA0	3VA5330-6GC41-0AA0	3VA5330-7GC41-0AA0
350	3VA5335-5GC41-0AA0	3VA5335-6GC41-0AA0	3VA5335-7GC41-0AA0
400	3VA5340-5GC41-0AA0	3VA5340-6GC41-0AA0	3VA5340-7GC41-0AA0

TM240 ATAM 100% Neutral

	TM240 ATAM 100% Neutral		
200	3VA5320-5GF41-0AA0	3VA5320-6GF41-0AA0	3VA5320-7GF41-0AA0
225	3VA5322-5GF41-0AA0	3VA5322-6GF41-0AA0	3VA5322-7GF41-0AA0
250	3VA5325-5GF41-0AA0	3VA5325-6GF41-0AA0	3VA5325-7GF41-0AA0
300	3VA5330-5GF41-0AA0	3VA5330-6GF41-0AA0	3VA5330-7GF41-0AA0
350	3VA5335-5GF41-0AA0	3VA5335-6GF41-0AA0	3VA5335-7GF41-0AA0
400	3VA5340-5GF41-0AA0	3VA5340-6GF41-0AA0	3VA5340-7GF41-0AA0



3VA53 400A 4-Pole

Dimensions

Breaker	Poles	W in. (mm)	H in. (mm)	D in. (mm)	lbs.	kg
3VA53	3	6.4 (162)	10.3 (262)	6.7 (170)	11.5	5.2
3VA53	4	8.2 (208)	10.3 (262)	6.7 (170)	15.0	6.8

Shipping Weight

Interrupting Ratings for 3VA53

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	MJAS	65	35	35	18	18	50	50	50
H	HJAS	100	65	65	25	25	85	85	85
C	CJAS	200	100	100	35	35	100	100	100

Internal accessories	
Optional equipment	
	Slot No.:
Auxiliary switch	Type
Auxiliary switch	AUX_HQ
	AUX_HQ_e
	AUX_HP
Leading changeover switch	LCS_HQ
	LCS_HQ_el
	LCS_HP
Auxiliary switch	Type
Trip alarm switch	TAS_HQ
	TAS_HQ_el
	TAS_HP
Auxiliary switch	Type
Shunt trip flexible	STF
Shunt trip left	STL
Undervoltage release	UVR
Universal release	UVI
Other	
Cylinder lock (type Ronis)	

3VA5
400/600 A
3 & 4-pole



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Molded Case Circuit Breakers

3VA63 400A Electronic Trip Circuit Breakers

Selection



3VA63 400A 3-Pole

Ordering Information

The catalog numbers listed below are for complete, non-interchangeable trip circuit breakers without lugs.

Order required lugs or connection technology separately for field installation.

All 3VA63 electronic trip circuit breakers are CSA approved and UL listed for reverse feed applications.

3VA63 electronic trip circuit breakers are available with 100% ratings (250A only).

For 100% rated electronic trip circuit breakers, change the 13th digit of the catalog number to the number "2". (For example, a 18kA @600VAC, 250A, 3-pole, 100% rated 3VA63 would be catalog number 3VA6325-5HL31-2AA0) Requires the use of copper lugs — see lug table below.

All 3VA6 circuit breakers are certified to CSA C22.2 No 5, and UL 489 Supplement SB, are marked "Naval", and are suitable for use at 50C.

3VA63 400A Frame 3-Pole Electronic Trip Unit

Continuous Ampere	M-Interrupting Class (MJAE)	H-Interrupting Class (HJAE)	C-Interrupting Class (CJAE)	L-Interrupting Class (LJAE)	E-Interrupting Class (EJAE)
	Catalog Number	Catalog Number	Catalog Number	Catalog Number	Catalog Number
ETU320 LI with dials					
250	3VA6325-5HL31-0AA0	3VA6325-6HL31-0AA0	3VA6325-7HL31-0AA0	3VA6325-8HL31-0AA0	3VA6325-0HL31-0AA0
400	3VA6340-5HL31-0AA0	3VA6340-6HL31-0AA0	3VA6340-7HL31-0AA0	3VA6340-8HL31-0AA0	3VA6340-0HL31-0AA0
ETU330 LIG with dials					
250	3VA6325-5HM31-0AA0	3VA6325-6HM31-0AA0	3VA6325-7HM31-0AA0	3VA6325-8HM31-0AA0	3VA6325-0HM31-0AA0
400	3VA6340-5HM31-0AA0	3VA6340-6HM31-0AA0	3VA6340-7HM31-0AA0	3VA6340-8HM31-0AA0	3VA6340-0HM31-0AA0
ETU350 LSI with dials					
250	3VA6325-5HN31-0AA0	3VA6325-6HN31-0AA0	3VA6325-7HN31-0AA0	3VA6325-8HN31-0AA0	3VA6325-0HN31-0AA0
400	3VA6340-5HN31-0AA0	3VA6340-6HN31-0AA0	3VA6340-7HN31-0AA0	3VA6340-8HN31-0AA0	3VA6340-0HN31-0AA0
ETU550 LSI with LCD					
250	3VA6325-5JP31-0AA0	3VA6325-6JP31-0AA0	3VA6325-7JP31-0AA0	3VA6325-8JP31-0AA0	—
400	3VA6340-5JP31-0AA0	3VA6340-6JP31-0AA0	3VA6340-7JP31-0AA0	3VA6340-8JP31-0AA0	—
ETU556 LSI(G Alarm) with LCD					
250	3VA6325-5JT31-0AA0	3VA6325-6JT31-0AA0	3VA6325-7JT31-0AA0	3VA6325-8JT31-0AA0	—
400	3VA6340-5JT31-0AA0	3VA6340-6JT31-0AA0	3VA6340-7JT31-0AA0	3VA6340-8JT31-0AA0	—
ETU560 LSI(G) with LCD					
250	3VA6325-5JQ31-0AA0	3VA6325-6JQ31-0AA0	3VA6325-7JQ31-0AA0	3VA6325-8JQ31-0AA0	—
400	3VA6340-5JQ31-0AA0	3VA6340-6JQ31-0AA0	3VA6340-7JQ31-0AA0	3VA6340-8JQ31-0AA0	—
ETU820 LI with LCD and Metering					
250	3VA6325-5KL31-0AA0	3VA6325-6KL31-0AA0	3VA6325-7KL31-0AA0	3VA6325-8KL31-0AA0	—
400	3VA6340-5KL31-0AA0	3VA6340-6KL31-0AA0	3VA6340-7KL31-0AA0	3VA6340-8KL31-0AA0	—
ETU830 LIG with LCD and Metering					
250	3VA6325-5KM31-0AA0	3VA6325-6KM31-0AA0	3VA6325-7KM31-0AA0	3VA6325-8KM31-0AA0	—
400	3VA6340-5KM31-0AA0	3VA6340-6KM31-0AA0	3VA6340-7KM31-0AA0	3VA6340-8KM31-0AA0	—
ETU850 LSI with LCD and Metering					
250	3VA6325-5KP31-0AA0	3VA6325-6KP31-0AA0	3VA6325-7KP31-0AA0	3VA6325-8KP31-0AA0	—
400	3VA6340-5KP31-0AA0	3VA6340-6KP31-0AA0	3VA6340-7KP31-0AA0	3VA6340-8KP31-0AA0	—
ETU856 LSI(G Alarm) with LCD and Metering					
250	3VA6325-5KT31-0AA0	3VA6325-6KT31-0AA0	3VA6325-7KT31-0AA0	3VA6325-8KT31-0AA0	3VA6325-0KT31-0AA0
400	3VA6340-5KT31-0AA0	3VA6340-6KT31-0AA0	3VA6340-7KT31-0AA0	3VA6340-8KT31-0AA0	3VA6340-0KT31-0AA0
ETU860 LSI(G) with LCD and Metering					
250	3VA6325-5KQ31-0AA0	3VA6325-6KQ31-0AA0	3VA6325-7KQ31-0AA0	3VA6325-8KQ31-0AA0	3VA6325-0KQ31-0AA0
400	3VA6340-5KQ31-0AA0	3VA6340-6KQ31-0AA0	3VA6340-7KQ31-0AA0	3VA6340-8KQ31-0AA0	3VA6340-0KQ31-0AA0

Molded Case Circuit Breakers

3VA63 400A Electronic Trip Circuit Breakers

Selection



3VA63 400A 4-Pole

Ordering Information

The catalog numbers listed below are for complete, non-interchangeable trip circuit breakers without lugs.

Order required lugs or connection technology separately for field installation.

All 3VA63 electronic trip circuit breakers are CSA approved and UL listed for reverse feed applications.

3VA63 electronic trip circuit breakers are available with 100% ratings (250A only).

For 100% rated electronic trip circuit breakers, change the 13th digit of the catalog number to the number "2". (For example, a 18kA @600VAC, 250A, 3-pole, 100% rated 3VA63 would be catalog number 3VA6325-5HL31-2AA0) Requires the use of copper lugs — see lug table below.

All 3VA6 circuit breakers are certified to CSA C22.2 No 5, and UL 489 Supplement SB, are marked "Naval", and are suitable for use at 50C.

3VA63 400A Frame 4-Pole Electronic Trip Unit

Continuous Ampere	M-Interrupting Class (MJAE) Catalog Number	H-Interrupting Class (HJAE) Catalog Number	C-Interrupting Class (CJAE) Catalog Number	L-Interrupting Class (LJAE) Catalog Number	E-Interrupting Class (EJAE) Catalog Number
ETU320 LI with dials					
250	3VA6325-5HL41-0AA0	3VA6325-6HL41-0AA0	3VA6325-7HL41-0AA0	3VA6325-8HL41-0AA0	3VA6325-0HL31-0AA0
400	3VA6340-5HL41-0AA0	3VA6340-6HL41-0AA0	3VA6340-7HL41-0AA0	3VA6340-8HL41-0AA0	3VA6340-0HL31-0AA0
ETU330 LIG with dials					
250	3VA6325-5HM41-0AA0	3VA6325-6HM41-0AA0	3VA6325-7HM41-0AA0	3VA6325-8HM41-0AA0	3VA6325-0HM31-0AA0
400	3VA6340-5HM41-0AA0	3VA6340-6HM41-0AA0	3VA6340-7HM41-0AA0	3VA6340-8HM41-0AA0	3VA6340-0HM31-0AA0
ETU350 LSI with dials					
250	3VA6325-5HN41-0AA0	3VA6325-6HN41-0AA0	3VA6325-7HN41-0AA0	3VA6325-8HN41-0AA0	3VA6325-0HN31-0AA0
400	3VA6340-5HN41-0AA0	3VA6340-6HN41-0AA0	3VA6340-7HN41-0AA0	3VA6340-8HN41-0AA0	3VA6340-0HN31-0AA0
ETU550 LSI with LCD					
250	3VA6325-5JP41-0AA0	3VA6325-6JP41-0AA0	3VA6325-7JP41-0AA0	3VA6325-8JP41-0AA0	—
400	3VA6340-5JP41-0AA0	3VA6340-6JP41-0AA0	3VA6340-7JP41-0AA0	3VA6340-8JP41-0AA0	—
ETU556 LSI(G Alarm) with LCD					
250	3VA6325-5JT41-0AA0	3VA6325-6JT41-0AA0	3VA6325-7JT41-0AA0	3VA6325-8JT41-0AA0	—
400	3VA6340-5JT41-0AA0	3VA6340-6JT41-0AA0	3VA6340-7JT41-0AA0	3VA6340-8JT41-0AA0	—
ETU560 LSI(G) with LCD					
250	3VA6325-5JQ41-0AA0	3VA6325-6JQ41-0AA0	3VA6325-7JQ41-0AA0	3VA6325-8JQ41-0AA0	—
400	3VA6340-5JQ41-0AA0	3VA6340-6JQ41-0AA0	3VA6340-7JQ41-0AA0	3VA6340-8JQ41-0AA0	—
ETU820 LI with LCD and Metering					
250	3VA6325-5KL41-0AA0	3VA6325-6KL41-0AA0	3VA6325-7KL41-0AA0	3VA6325-8KL41-0AA0	—
400	3VA6340-5KL41-0AA0	3VA6340-6KL41-0AA0	3VA6340-7KL41-0AA0	3VA6340-8KL41-0AA0	—
ETU830 LIG with LCD and Metering					
250	3VA6325-5KM41-0AA0	3VA6325-6KM41-0AA0	3VA6325-7KM41-0AA0	3VA6325-8KM41-0AA0	—
400	3VA6340-5KM41-0AA0	3VA6340-6KM41-0AA0	3VA6340-7KM41-0AA0	3VA6340-8KM41-0AA0	—
ETU850 LSI with LCD and Metering					
250	3VA6325-5KP41-0AA0	3VA6325-6KP41-0AA0	3VA6325-7KP41-0AA0	3VA6325-8KP41-0AA0	—
400	3VA6340-5KP41-0AA0	3VA6340-6KP41-0AA0	3VA6340-7KP41-0AA0	3VA6340-8KP41-0AA0	—
ETU856 LSI(G Alarm) with LCD and Metering					
250	3VA6325-5KT41-0AA0	3VA6325-6KT41-0AA0	3VA6325-7KT41-0AA0	3VA6325-8KT41-0AA0	3VA6325-0KT31-0AA0
400	3VA6340-5KT41-0AA0	3VA6340-6KT41-0AA0	3VA6340-7KT41-0AA0	3VA6340-8KT41-0AA0	3VA6340-0KT31-0AA0
ETU860 LSI(G) with LCD and Metering					
250	3VA6325-5KQ41-0AA0	3VA6325-6KQ41-0AA0	3VA6325-7KQ41-0AA0	3VA6325-8KQ41-0AA0	3VA6325-0KQ31-0AA0
400	3VA6340-5KQ41-0AA0	3VA6340-6KQ41-0AA0	3VA6340-7KQ41-0AA0	3VA6340-8KQ41-0AA0	3VA6340-0KQ31-0AA0

Molded Case Circuit Breakers

3VA63 400A Electronic Trip Circuit Breakers

Technical information

Connectors for 75C wire for 3VA63

Type	Minimum cable size	Maximum cable size	Part Number (kit of 3 lugs)	Part Number (kit of 4 lugs)
Steel wrap around (Cu cable only) single cable lugs	1/0	500 kcmil	3VA9473-0JA13	3VA9474-0JA13
Aluminum body lug (Cu/Al cable) single cable lugs	AWG 1	600 kcmil	3VA9373-0JB13	3VA9374-0JB13
Aluminum body lug with control wire tap (Cu/Al cable) single cable lugs	AWG 1	600 kcmil	3VA9373-0JG13	3VA9374-0JG13
Aluminum body lug, 2 cables (Cu/Al cable) with 1 extended terminal cover	2/0	600 kcmil	3VA9473-0JJ23	3VA9474-0JJ23
Aluminum body lug, 2 cables (Cu/Al cable) with control wire tap and 1 extended terminal cover	2/0	600 kcmil	3VA9473-0JC23	3VA9474-0JC23
Distribution lug, 6 Cables (Cu/Al cable) with 1 extended terminal cover	AWG 14	AWG 2	3VA9373-0JF60	3VA9374-0JF60
Copper body lug (Cu cable only) single cable lugs (meets requirements for 100% rated breakers)	AWG 1	600 kcmil	3VA9373-0JD13	3VA9374-0JD13
Copper body lug (Cu cable only) with control wire tap single cable lugs	AWG 1	600 kcmil	3VA9373-0JK13	3VA9374-0JK13
Copper body lug, 2 cables (Cu cable only) with 1 extended terminal cover (meets requirements for 100% rated breakers)	2/0	600 kcmil	3VA9473-0JE23	3VA9474-0JE23
Copper body lug, 2 cables (Cu cable only) with control wire tap and 1 extended terminal cover	2/0	600 kcmil	3VA9473-0JL23	3VA9474-0JL23

Interrupting Ratings for 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

Dimensions

Shipping Weight

Breaker	Poles	W in. (mm)	H in. (mm)	D in. (mm)	lbs.	kg
3VA63	3	5.4 (138)	9.7 (248)	4.3 (110)	9.9	4.5
3VA63	4	7.2 (184)	9.7 (248)	4.3 (110)	15.2	6.9

Trip Settings for 3VA63

ETU320-LI, ETU330-LIG, ETU350-LSI

Continuous Amperage	LI, LIG, LSI			LSI		LIG	LI, LIG, LSI 4P only
I _n (Amp)	I _n (Amp) (L)	t _{in} (sec) (L)	I _n (Amp) (LI)①	I _n =xI _r (Amp) (S)	t _{in} (sec) (S)	I _n (Amp) (G)	I _n =xI _r (Amp)
250	100 - 250	0.5 - 17	375-3000	1.5 - 10	0.08 - 0.4	50 - 250	0.5 - 1 / OFF
400	150 - 400	0.5 - 17	600-4000	1.5 - 10		80 - 400	0.5 - 1 / OFF

① I_n for ETU350 is fixed at 12X I_n

ETU550-LSI, ETU556 LSI(A), ETU560-LSIG, ETU820-LI, ETU830-LIG, ETU850-LSI, ETU856 LSI(A), ETU860-LSIG

Continuous Amperage	LI, LIG, LSI, LSIG, LSI(G)			LSI, LSIG, LSI(G)		LIG, LSIG, LSI(G)		LSI 3P with External CT	LI, LIG, LSI, LSIG, LSI(G) 4P only
I _n (Amp)	I _n (Amp) (L)	t _{in} (sec) (L)	I _n (Amp) (LI)	I _n (Amp) (S)	t _{in} (sec) (S)	I _n (Amp) (G)	t _{in} (G)	I _n =xI _r (Amp)	I _n (Amp)
250	100 - 250	0.5 - 25	375-3000	150 - 2500	0.05 - 0.5	50 - 250	0.05 - 0.8	50 - 400 / OFF	50 - 400 / OFF
400	150 - 400	0.5 - 17	600-4000	240 - 4000		80 - 400		80 - 640 / OFF	80 - 400 / OFF

For specific trip settings refer to the Electronic Trip Unit section of the 3VA Systems Manual, which can be found in the document download center at https://www.siemens.com/download?BTLV_50412

Molded Case Circuit Breakers

3VA54 600A Thermal-magnetic Trip Circuit Breakers

Selection

3VA54 600A Frame, 2-(3)Pole Frame,
Thermal-Magnetic Trip Unit

Cont. Ampere Rating	M-Interrupting Class (MLAS)	H-Interrupting Class (HLAS)	C-Interrupting Class (CLAS)
	Catalog Number	Catalog Number	Catalog Number
TM230 FTAM			
450	—	3VA5445-6EC61-0AA0	3VA5445-7EC61-0AA0
500	3VA5450-5EC61-0AA0	3VA5450-6EC61-0AA0	3VA5450-7EC61-0AA0
600	3VA5460-5EC61-0AA0	3VA5460-6EC61-0AA0	3VA5460-7EC61-0AA0

3VA54 600A Frame, 3-Pole Frame,
Thermal-Magnetic Trip Unit

Cont. Ampere Rating	M-Interrupting Class (MLAS)	H-Interrupting Class (HLAS)	C-Interrupting Class (CLAS)
	Catalog Number	Catalog Number	Catalog Number
TM230 FTAM ^①			
450	3VA5445-5EC31-0AA0	3VA5445-6EC31-0AA0	3VA5445-7EC31-0AA0
500	3VA5450-5EC31-0AA0	3VA5450-6EC31-0AA0	3VA5450-7EC31-0AA0
600	3VA5460-5EC31-0AA0	3VA5460-6EC31-0AA0	3VA5460-7EC31-0AA0
TM240 ATAM			
450	3VA5445-5EF31-0AA0	3VA5445-6EF31-0AA0	3VA5445-7EF31-0AA0
500	3VA5450-5EF31-0AA0	3VA5450-6EF31-0AA0	3VA5450-7EF31-0AA0
600	3VA5460-5EF31-0AA0	3VA5460-6EF31-0AA0	3VA5460-7EF31-0AA0

3VA54 600A Frame, 4-Pole Frame,
Thermal-Magnetic Trip Unit

Cont. Ampere Rating	M-Interrupting Class (MLAS)	H-Interrupting Class (HLAS)	C-Interrupting Class (CLAS)
	Catalog Number	Catalog Number	Catalog Number
TM230 FTAM Unprotected Neutral			
450	3VA5445-5EC41-0AA0	3VA5445-6EC41-0AA0	3VA5445-7EC41-0AA0
500	3VA5450-5EC41-0AA0	3VA5450-6EC41-0AA0	3VA5450-7EC41-0AA0
600	3VA5460-5EC41-0AA0	3VA5460-6EC41-0AA0	3VA5460-7EC41-0AA0
TM240 ATAM Unprotected Neutral			
450	3VA5445-5EF41-0AA0	3VA5445-6EF41-0AA0	3VA5445-7EF41-0AA0
500	3VA5450-5EF41-0AA0	3VA5450-6EF41-0AA0	3VA5450-7EF41-0AA0
600	3VA5460-5EF41-0AA0	3VA5460-6EF41-0AA0	3VA5460-7EF41-0AA0
TM230 FTFM 100% Neutral			
450	3VA5445-5GC41-0AA0	3VA5445-6GC41-0AA0	3VA5445-7GC41-0AA0
500	3VA5450-5GC41-0AA0	3VA5450-6GC41-0AA0	3VA5450-7GC41-0AA0
600	3VA5460-5GC41-0AA0	3VA5460-6GC41-0AA0	3VA5460-7GC41-0AA0
TM240 ATAM 100% Neutral			
450	3VA5445-5GF41-0AA0	3VA5445-6GF41-0AA0	3VA5445-7GF41-0AA0
500	3VA5450-5GF41-0AA0	3VA5450-6GF41-0AA0	3VA5450-7GF41-0AA0
600	3VA5460-5GF41-0AA0	3VA5460-6GF41-0AA0	3VA5460-7GF41-0AA0



Ordering Information

The catalog numbers listed here are for complete, non-interchangeable trip circuit breakers without lugs.

Order required lugs or connection technology separately for field installation.

All 3VA54 thermal-magnetic trip circuit breakers are CSA approved and UL listed for reverse feed applications.

For NAVAL rated thermal-magnetic trip circuit breakers, change the 13th digit of the catalog number to the number "1". (For example, a 18kA @600VAC, 600A, 3-pole, rated 3VA54 would be catalog number 3VA5460-5EC31-1AA0)

^① Available with NAVAL/50C ratings.

Molded Case Circuit Breakers

3VA54 600A Thermal-magnetic Trip Circuit Breakers

Selection

Dimensions

Shipping Weight

Breaker	Poles	W in. (mm)	H in. (mm)	D in. (mm)	lbs.	kg
3VA54	3	6.4 (162)	10.3 (262)	6.7 (170)	11.5	5.2
3VA54	4	8.2 (208)	10.3 (262)	6.7 (170)	15.0	6.8

Interrupting Ratings for 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	65	35	35	20	20	50	50	6	50	6
H	HLAS	100	65	65	25	25	85	85	6	85	6
C	CLAS	200	100	100	35	35	100	100	10	100	10

Internal accessories Optional equipment		3VA5 400/600 A 3 & 4-pole														
Slot No.:		25	24	23	22	21	600 A	11	12	13	14	15				
Auxiliary switch	Type															
Auxiliary switch	AUX_HQ	x	x	x	x	x		x	x	x	x	x				
	AUX_HQ_el	x	x	x	x	x		x	x	x	x	x				
	AUX_HP			x		x				x			x			
Leading changeover switch	LCS_HQ							x								
	LCS_HQ_el							x								
	LCS_HP									x						
Auxiliary switch	Type															
Trip alarm switch	TAS_HQ				x	x		x	x							
	TAS_HQ_el				x	x		x	x							
	TAS_HP					x				x						
Auxiliary switch	Type															
Shunt trip flexible	STF				x				x							
Shunt trip left	STL															
Undervoltage release	UVR				x											
Universal release	UVI				x											
Other																
Cylinder lock (type Ronis)									x							



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Molded Case Circuit Breakers

3VA64 600A Thermal-magnetic Trip Circuit Breakers

Selection



3VA64 600A 3-Pole

Ordering Information

The catalog numbers listed below are for complete, non-interchangeable trip circuit breakers without lugs.

Order required lugs or connection technology separately for field installation.

All 3VA64 electronic trip circuit breakers are CSA approved and UL listed for reverse feed applications.

3VA64 electronic trip circuit breakers are available with 100% ratings (400A only).

For 100% rated electronic trip circuit breakers, change the 13th digit of the catalog number to the number "2". (For example, a 18kA @600VAC, 400A, 3-pole, 100% rated 3VA64 would be catalog number 3VA6440-5HL31-2AA0) Requires the use of copper lugs — see lug table below.

All 3VA6 circuit breakers are certified to CSA C22.2 No 5, and UL 489 Supplement SB, are marked "Naval", and are suitable for use at 50C.

3VA64 600A Frame 3-Pole Electronic Trip Unit

Continuous Ampere	M-Interrupting Class (MLAE) Catalog Number	H-Interrupting Class (HLAE) Catalog Number	C-Interrupting Class (CLAE) Catalog Number	L-Interrupting Class (LLAE) Catalog Number	E-Interrupting Class (ELAE) Catalog Number
ETU320 LI with dials					
400	3VA6440-5HL31-0AA0	3VA6440-6HL31-0AA0	3VA6440-7HL31-0AA0	3VA6440-8HL31-0AA0	—
600	3VA6460-5HL31-0AA0	3VA6460-6HL31-0AA0	3VA6460-7HL31-0AA0	3VA6460-8HL31-0AA0	3VA6460-0HL31-0AA0
ETU330 LIG with dials					
400	3VA6440-5HM31-0AA0	3VA6440-6HM31-0AA0	3VA6440-7HM31-0AA0	3VA6440-8HM31-0AA0	—
600	3VA6460-5HM31-0AA0	3VA6460-6HM31-0AA0	3VA6460-7HM31-0AA0	3VA6460-8HM31-0AA0	3VA6460-0HM31-0AA0
ETU350 LSI with dials					
400	3VA6440-5HN31-0AA0	3VA6440-6HN31-0AA0	3VA6440-7HN31-0AA0	3VA6440-8HN31-0AA0	—
600	3VA6460-5HN31-0AA0	3VA6460-6HN31-0AA0	3VA6460-7HN31-0AA0	3VA6460-8HN31-0AA0	3VA6460-0HN31-0AA0
ETU550 LSI with LCD					
400	3VA6440-5JP31-0AA0	3VA6440-6JP31-0AA0	3VA6440-7JP31-0AA0	3VA6440-8JP31-0AA0	—
600	3VA6460-5JP31-0AA0	3VA6460-6JP31-0AA0	3VA6460-7JP31-0AA0	3VA6460-8JP31-0AA0	—
ETU556 LSI(G Alarm) with LCD					
400	3VA6440-5JT31-0AA0	3VA6440-6JT31-0AA0	3VA6440-7JT31-0AA0	3VA6440-8JT31-0AA0	—
600	3VA6460-5JT31-0AA0	3VA6460-6JT31-0AA0	3VA6460-7JT31-0AA0	3VA6460-8JT31-0AA0	—
ETU560 LSI(G) with LCD					
400	3VA6440-5JQ31-0AA0	3VA6440-6JQ31-0AA0	3VA6440-7JQ31-0AA0	3VA6440-8JQ31-0AA0	—
600	3VA6460-5JQ31-0AA0	3VA6460-6JQ31-0AA0	3VA6460-7JQ31-0AA0	3VA6460-8JQ31-0AA0	—
ETU820 LI with LCD and Metering					
400	3VA6440-5KL31-0AA0	3VA6440-6KL31-0AA0	3VA6440-7KL31-0AA0	3VA6440-8KL31-0AA0	—
600	3VA6460-5KL31-0AA0	3VA6460-6KL31-0AA0	3VA6460-7KL31-0AA0	3VA6460-8KL31-0AA0	—
ETU830 LIG with LCD and Metering					
400	3VA6440-5KM31-0AA0	3VA6440-6KM31-0AA0	3VA6440-7KM31-0AA0	3VA6440-8KM31-0AA0	—
600	3VA6460-5KM31-0AA0	3VA6460-6KM31-0AA0	3VA6460-7KM31-0AA0	3VA6460-8KM31-0AA0	—
ETU850 LSI with LCD and Metering					
400	3VA6440-5KP31-0AA0	3VA6440-6KP31-0AA0	3VA6440-7KP31-0AA0	3VA6440-8KP31-0AA0	—
600	3VA6460-5KP31-0AA0	3VA6460-6KP31-0AA0	3VA6460-7KP31-0AA0	3VA6460-8KP31-0AA0	—
ETU856 LSI(G Alarm) with LCD and Metering					
400	3VA6440-5KT31-0AA0	3VA6440-6KT31-0AA0	3VA6440-7KT31-0AA0	3VA6440-8KT31-0AA0	—
600	3VA6460-5KT31-0AA0	3VA6460-6KT31-0AA0	3VA6460-7KT31-0AA0	3VA6460-8KT31-0AA0	3VA6460-0KT31-0AA0
ETU860 LSI(G) with LCD and Metering					
400	3VA6440-5KQ31-0AA0	3VA6440-6KQ31-0AA0	3VA6440-7KQ31-0AA0	3VA6440-8KQ31-0AA0	—
600	3VA6460-5KQ31-0AA0	3VA6460-6KQ31-0AA0	3VA6460-7KQ31-0AA0	3VA6460-8KQ31-0AA0	3VA6460-0KQ31-0AA0

Molded Case Circuit Breakers

3VA64 600A Electronic Trip Circuit Breakers

Selection



3VA64 600A 4-Pole

Ordering Information

The catalog numbers listed below are for complete, non-interchangeable trip circuit breakers without lugs.

Order required lugs or connection technology separately for field installation.

All 3VA64 electronic trip circuit breakers are CSA approved and UL listed for reverse feed applications.

3VA64 electronic trip circuit breakers are available with 100% ratings (400A only).

For 100% rated electronic trip circuit breakers, change the 13th digit of the catalog number to the number "2". (For example, a 18kA @600VAC, 400A, 3-pole, 100% rated 3VA64 would be catalog number 3VA6440-5HL31-2AA0) Requires the use of copper lugs — see lug table below.

All 3VA6 circuit breakers are certified to CSA C22.2 No 5, and UL 489 Supplement SB, are marked "Naval", and are suitable for use at 50C.

3VA64 600A Frame 4-Pole Electronic Trip Unit

Continuous Ampere	M-Interrupting Class (MLAE) Catalog Number	H-Interrupting Class (HLAE) Catalog Number	C-Interrupting Class (CLAE) Catalog Number	L-Interrupting Class (LLAE) Catalog Number	E-Interrupting Class (ELAE) Catalog Number
ETU320 LI with dials					
400	3VA6440-5HL41-0AA0	3VA6440-6HL41-0AA0	3VA6440-7HL41-0AA0	3VA6440-8HL41-0AA0	—
600	3VA6460-5HL41-0AA0	3VA6460-6HL41-0AA0	3VA6460-7HL41-0AA0	3VA6460-8HL41-0AA0	3VA6460-0HL41-0AA0
ETU330 LIG with dials					
400	3VA6440-5HM41-0AA0	3VA6440-6HM41-0AA0	3VA6440-7HM41-0AA0	3VA6440-8HM41-0AA0	—
600	3VA6460-5HM41-0AA0	3VA6460-6HM41-0AA0	3VA6460-7HM41-0AA0	3VA6460-8HM41-0AA0	3VA6460-0HM41-0AA0
ETU350 LSI with dials					
400	3VA6440-5HN41-0AA0	3VA6440-6HN41-0AA0	3VA6440-7HN41-0AA0	3VA6440-8HN41-0AA0	—
600	3VA6460-5HN41-0AA0	3VA6460-6HN41-0AA0	3VA6460-7HN41-0AA0	3VA6460-8HN41-0AA0	3VA6460-0HN41-0AA0
ETU550 LSI with LCD					
400	3VA6440-5JP41-0AA0	3VA6440-6JP41-0AA0	3VA6440-7JP41-0AA0	3VA6440-8JP41-0AA0	—
600	3VA6460-5JP41-0AA0	3VA6460-6JP41-0AA0	3VA6460-7JP41-0AA0	3VA6460-8JP41-0AA0	—
ETU556 LSI(G Alarm) with LCD					
400	3VA6440-5JT41-0AA0	3VA6440-6JT41-0AA0	3VA6440-7JT41-0AA0	3VA6440-8JT41-0AA0	—
600	3VA6460-5JT41-0AA0	3VA6460-6JT41-0AA0	3VA6460-7JT41-0AA0	3VA6460-8JT41-0AA0	—
ETU560 LSI(G) with LCD					
400	3VA6440-5JQ41-0AA0	3VA6440-6JQ41-0AA0	3VA6440-7JQ41-0AA0	3VA6440-8JQ41-0AA0	—
600	3VA6460-5JQ41-0AA0	3VA6460-6JQ41-0AA0	3VA6460-7JQ41-0AA0	3VA6460-8JQ41-0AA0	—
ETU820 LI with LCD and Metering					
400	3VA6440-5KL41-0AA0	3VA6440-6KL41-0AA0	3VA6440-7KL41-0AA0	3VA6440-8KL41-0AA0	—
600	3VA6460-5KL41-0AA0	3VA6460-6KL41-0AA0	3VA6460-7KL41-0AA0	3VA6460-8KL41-0AA0	—
ETU830 LIG with LCD and Metering					
400	3VA6440-5KM41-0AA0	3VA6440-6KM41-0AA0	3VA6440-7KM41-0AA0	3VA6440-8KM41-0AA0	—
600	3VA6460-5KM41-0AA0	3VA6460-6KM41-0AA0	3VA6460-7KM41-0AA0	3VA6460-8KM41-0AA0	—
ETU850 LSI with LCD and Metering					
400	3VA6440-5KP41-0AA0	3VA6440-6KP41-0AA0	3VA6440-7KP41-0AA0	3VA6440-8KP41-0AA0	—
600	3VA6460-5KP41-0AA0	3VA6460-6KP41-0AA0	3VA6460-7KP41-0AA0	3VA6460-8KP41-0AA0	—
ETU856 LSI(G Alarm) with LCD and Metering					
400	3VA6440-5KT41-0AA0	3VA6440-6KT41-0AA0	3VA6440-7KT41-0AA0	3VA6440-8KT41-0AA0	—
600	3VA6460-5KT41-0AA0	3VA6460-6KT41-0AA0	3VA6460-7KT41-0AA0	3VA6460-8KT41-0AA0	3VA6460-0KT41-0AA0
ETU860 LSI(G) with LCD and Metering					
400	3VA6440-5KQ41-0AA0	3VA6440-6KQ41-0AA0	3VA6440-7KQ41-0AA0	3VA6440-8KQ41-0AA0	—
600	3VA6460-5KQ41-0AA0	3VA6460-6KQ41-0AA0	3VA6460-7KQ41-0AA0	3VA6460-8KQ41-0AA0	3VA6460-0KQ41-0AA0

Molded Case Circuit Breakers

3VA64 600A Electronic Trip Circuit Breakers

Technical information

Connectors for 75C wire for 3VA64

Type	Minimum cable size	Maximum cable size	Part Number (kit of 3 lugs)	Part Number (kit of 4 lugs)
Steel Wrap around (Cu cable only) single cable lugs	1/0	500 kcmil	3VA9473-0JA13	3VA9474-0JA13
Aluminum Body Lug (Cu/Al cable) single cable lugs	AWG 1	600 kcmil	3VA9373-0JB13	3VA9374-0JB13
Aluminum body lug with control wire tap (Cu/Al cable) single cable lugs	AWG 1	600 kcmil	3VA9373-0JG13	3VA9374-0JG13
Aluminum body lug, 2 cables (Cu/Al cable) with 1 extended terminal cover	2/0	600 kcmil	3VA9473-0JJ23	3VA9474-0JJ23
Aluminum body lug, 2 cables (Cu/Al cable) with control wire tap and 1 extended terminal cover	2/0	600 kcmil	3VA9473-0JC23	3VA9474-0JC23
Distribution lug, 6 Cables (Cu/Al cable) with 1 extended terminal cover	AWG 14	AWG 2	3VA9373-0JF60	3VA9374-0JF60
Copper body lug (Cu cable only) single cable lugs (meets requirements for 100% rated breakers)	AWG 1	600 kcmil	3VA9373-0JD13	3VA9374-0JD13
Copper body lug (Cu cable only) with control wire tap single cable lugs	AWG 1	600 kcmil	3VA9373-0JK13	3VA9374-0JK13
Copper body lug, 2 cables (Cu cable only) with 1 extended terminal cover (meets requirements for 100% rated breakers)	2/0	600 kcmil	3VA9473-0JE23	3VA9474-0JE23
Copper body lug, 2 cables (Cu cable only) with control wire tap and 1 extended terminal cover	2/0	600 kcmil	3VA9473-0JL23	3VA9474-0JL23

Interrupting Ratings for 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

Dimensions

Shipping Weight

Breaker	Poles	W in. (mm)	H in. (mm)	D in. (mm)	lbs.	kg
3VA64	3	5.4 (138)	9.7 (248)	4.3 (110)	11.7	5.3
3VA64	4	7.2 (184)	9.7 (248)	4.3 (110)	15.2	6.9

Trip Settings for 3VA64

ETU320-LI, ETU330-LIG, ETU350-LSI

Continuous Amperage	LI, LIG, LSI			LSI		LIG	LI, LIG, LSI 4P only
I _n (Amp)	I _n (Amp) (L)	t _{in} (sec) (L)	I _n (Amp) (I)①	I _{in} = xI _n (Amp) (S)	t _{in} (sec) (S)	I _n (Amp) (G)	I _n =xI _n (Amp)
400	150 - 400	0.5 - 17	600-4800	1.5 - 10	0.08 - 0.4	80 - 400	0.5 - 1 / OFF
600	250 - 600	0.5 - 15	900-5400	1.5 - 9		120 - 600	0.5 - 1 / OFF

① I_n for ETU350 is fixed at 12X I_n

ETU550-LSI, ETU556 LSI(A), ETU560-LSIG, ETU820-LI, ETU830-LIG, ETU850-LSI, ETU856 LSI(A), ETU860-LSIG

Continuous Amperage	LI, LIG, LSI, LSIG, LSI(G)			LSI, LSIG, LSI(G)		LIG, LSIG, LSI(G)		LSI 3P with External CT	LI, LIG, LSI, LSIG, LSI(G) 4P only
I _n (Amp)	I _n (Amp) (L)	t _{in} (sec) (L)	I _n (Amp) (I)	I _{in} (Amp) (S)	t _{in} (sec) (S)	I _n (Amp) (G)	t _{in} (G)	I _n =xI _n (Amp)	I _n (Amp)
400	150 - 400	0.5 - 25	600-4800	240 - 4000	0.05 - 0.5	80 - 400	0.05 - 0.8	80 - 640 / OFF	80 - 600 / OFF
600	250 - 600	0.5 - 15	900-5400	360 - 5400		120 - 600		120 - 960 / OFF	120 - 600 / OFF

For specific trip settings refer to the Electronic Trip Unit section of the 3VA Systems Manual, which can be found in the document download center at https://www.siemens.com/download?BTLV_50412

Internal accessories Optional equipment		3VA6 400/600 A 3-pole											3VA6 400/600 A 4-pole															
Slot No.:		25	24	23	22	21	600 A	11	12	13	14	15	35	34	33	32	31	25	24	23	22	21	600 A	11	12	13	14	15
Auxiliary switch		Type																										
Auxiliary switch	AUX_HQ	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x
	AUX_HQ_el	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x
	AUX_HP			x		x				x		x			x		x			x					x		x	
Leading changeover switch	LCS_HQ																											
	LCS_HQ_el																											
	LCS_HP																											
Auxiliary switch		Type																										
Trip alarm switch	TAS_HQ				x	x		x	x																x	x		
	TAS_HQ_el				x	x		x	x																x	x		
	TAS_HP					x				x																x		
Electrical alarm switch	EAS_HQ												x														x	
	EAS_HQ_el												x														x	
Auxiliary switch		Type																										
Shunt trip flexible	STF				x					x																x		
Shunt trip left	STL				x																							
Undervoltage release	UVR				x																							
Universal release	UVI				x																							
ETU/communication		Type																										
Communication module	COM060										x																x	
Breaker data server																												
24 V module																												
Other																												
Cylinder lock (type Ronis)											x																x	



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Molded Case Circuit Breakers

3VA55 800A Electronic Trip Circuit Breakers

Selection

3VA55 800A, 2-pole in 3-pole Frame, Thermal-Magnetic Trip Unit

Cont. Ampere Rating	M-Interrupting Class (MMAS)	H-Interrupting Class (HMAS)	C-Interrupting Class (CMAS)
	Catalog Number	Catalog Number	Catalog Number
TM230 FTAM			
600	3VA5560-5EC62-0AA0	3VA5560-6EC62-0AA0	3VA5560-7EC62-0AA0
700	3VA5570-5EC62-0AA0	3VA5570-6EC62-0AA0	3VA5570-7EC62-0AA0
800	3VA5580-5EC62-0AA0	3VA5580-6EC62-0AA0	3VA5580-7EC62-0AA0

3VA55 800A, 3-pole Frame, Thermal-Magnetic Trip Unit

Cont. Ampere Rating	M-Interrupting Class (MMAS)	H-Interrupting Class (HMAS)	C-Interrupting Class (CMAS)
	Catalog Number	Catalog Number	Catalog Number
TM230 FTAM			
600	3VA5560-5EC32-0AA0	3VA5560-6EC32-0AA0	3VA5560-7EC32-0AA0
700	3VA5570-5EC32-0AA0	3VA5570-6EC32-0AA0	3VA5570-7EC32-0AA0
800	3VA5580-5EC32-0AA0	3VA5580-6EC32-0AA0	3VA5580-7EC32-0AA0

3VA55 800A, 4-pole Frame, Thermal-Magnetic Trip Unit

Cont. Ampere Rating	M-Interrupting Class (MMAS)	H-Interrupting Class (HMAS)	C-Interrupting Class (CMAS)
	Catalog Number	Catalog Number	Catalog Number
TM230 FTAM Unprotected Neutral			
600	3VA5560-5EC42-0AA0	3VA5560-6EC42-0AA0	3VA5560-7EC42-0AA0
700	3VA5570-5EC42-0AA0	3VA5570-6EC42-0AA0	3VA5570-7EC42-0AA0
800	3VA5580-5EC42-0AA0	3VA5580-6EC42-0AA0	3VA5580-7EC42-0AA0
TM230 FTAM 100% Neutral			
600	3VA5560-5GC42-0AA0	3VA5560-6GC42-0AA0	3VA5560-7GC42-0AA0
700	3VA5570-5GC42-0AA0	3VA5570-6GC42-0AA0	3VA5570-7GC42-0AA0
800	3VA5580-5GC42-0AA0	3VA5580-6GC42-0AA0	3VA5580-7GC42-0AA0

Dimensions

Breaker	Poles	W in. (mm)	H in. (mm)	D in. (mm)	lbs.	kg
3VA55	2(3)	8.3 (210)	12.5 (318)	5.8 (147)	29.3	13.3
3VA55	3	8.3 (210)	12.5 (318)	5.8 (147)	29.4	13.4
3VA55	4	11.1 (280)	12.5 (318)	5.8 (147)	37.4	17.0

Shipping Weight

Interrupting Ratings for 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

Trip Settings for 3VA55

TM230 - FTAM

I _n (Amp)	I _n (Amp)	I _n (Amp)	I _n (Amp)	I _n (Amp)	I _n (Amp)	I _n (Amp)	I _n (Amp)
600	600	3000	3600	4200	4800	5400	6000
700	700	3500	4200	4900	5600	6300	7000
800	800	4000	4800	5600	6400	7200	8000

TM240 - ATAM

I _n (Amp)	I _n (Amp)	I _n (Amp)	I _n (Amp)	I _n (Amp)	I _n (Amp)	I _n (Amp)	I _n (Amp)
600	480	3000	3600	4200	4800	5400	6000
700	560	3500	4200	4900	5600	6300	7000
800	640	4000	4800	5600	6400	7200	8000



Ordering Information

The catalog numbers listed here are for complete, non-interchangeable trip circuit breakers with nut keepers on both line and load ends.

Order required lugs or connection technology separately for field installation.

All 3VA55 thermal-magnetic trip circuit breakers are UL listed for reverse feed applications.

For NAVAL rated (3-pole only) thermal-magnetic trip circuit breakers, change the 13th digit of the catalog number to the number "1". (For example, a 18KA@600V, 600A, 3-pole, rated 3VA55 would be catalog number 3VA5580-5EC32-1AA0)

Molded Case Circuit Breakers

3VA65 800A Electronic Trip Circuit Breakers

Selection



3VA65 800A 3-Pole

Ordering Information

The catalog numbers listed below are for complete, non-interchangeable trip circuit breakers with nut keepers on both line and load ends.

Order required lugs or connection technology separately for field installation.

All 3VA65 electronic trip circuit breakers are UL listed for reverse feed applications.

3VA65 electronic trip circuit breakers are available with 100% ratings.

For 100% rated electronic trip circuit breakers, change the 13th digit of the catalog number to the number "2". (For example, a 25KA@600V, 600A, 3-pole, 100% rated 3VA65 would be catalog number 3VA6560-5HL32-2AA0)

All 3VA6 circuit breakers are certified to UL 489 Supplement SB, are marked "Naval", and are suitable for use at 50C.

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

Continuous Ampere	M-Interrupting Class (MMAE)	H-Interrupting Class (HMAE)	C-Interrupting Class (CMAE)
	Catalog Number	Catalog Number	Catalog Number
ETU320 LI with dials			
600	3VA6560-5HL32-0AA0	3VA6560-6HL32-0AA0	3VA6560-7HL32-0AA0
800	3VA6580-5HL32-0AA0	3VA6580-6HL32-0AA0	3VA6580-7HL32-0AA0
ETU330 LIG with dials			
600	3VA6560-5HM32-0AA0	3VA6560-6HM32-0AA0	3VA6560-7HM32-0AA0
800	3VA6580-5HM32-0AA0	3VA6580-6HM32-0AA0	3VA6580-7HM32-0AA0
ETU350 LSI with dials			
600	3VA6560-5HN32-0AA0	3VA6560-6HN32-0AA0	3VA6560-7HN32-0AA0
800	3VA6580-5HN32-0AA0	3VA6580-6HN32-0AA0	3VA6580-7HN32-0AA0
ETU550 LSI with LCD			
600	3VA6560-5JP32-0AA0	3VA6560-6JP32-0AA0	3VA6560-7JP32-0AA0
800	3VA6580-5JP32-0AA0	3VA6580-6JP32-0AA0	3VA6580-7JP32-0AA0
ETU556 LSI(G Alarm) with LCD			
600	3VA6560-5JT32-0AA0	3VA6560-6JT32-0AA0	3VA6560-7JT32-0AA0
800	3VA6580-5JT32-0AA0	3VA6580-6JT32-0AA0	3VA6580-7JT32-0AA0
ETU560 LSIG with LCD			
600	3VA6560-5JQ32-0AA0	3VA6560-6JQ32-0AA0	3VA6560-7JQ32-0AA0
800	3VA6580-5JQ32-0AA0	3VA6580-6JQ32-0AA0	3VA6580-7JQ32-0AA0
ETU820 LI with LCD and Metering			
600	3VA6560-5KL32-0AA0	3VA6560-6KL32-0AA0	3VA6560-7KL32-0AA0
800	3VA6580-5KL32-0AA0	3VA6580-6KL32-0AA0	3VA6580-7KL32-0AA0
ETU856 LSI(G Alarm) with LCD and Metering			
600	3VA6560-5KT32-0AA0	3VA6560-6KT32-0AA0	3VA6560-7KT32-0AA0
800	3VA6580-5KT32-0AA0	3VA6580-6KT32-0AA0	3VA6580-7KT32-0AA0
ETU860 LSIG with LCD and Metering			
600	3VA6560-5KQ32-0AA0	3VA6560-6KQ32-0AA0	3VA6560-7KQ32-0AA0
800	3VA6580-5KQ32-0AA0	3VA6580-6KQ32-0AA0	3VA6580-7KQ32-0AA0



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Molded Case Circuit Breakers

3VA65 800A Electronic Trip Circuit Breakers

Selection



3VA65 800A 4-Pole

Interrupting Ratings for 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

Dimensions

Breaker	Poles	W in. (mm)	H in. (mm)	D in. (mm)	lbs.	kg
3VA65	3	8.3 (210)	12.5 (318)	5.8 (147)	29.4	13.4
3VA65	4	11.1 (280)	12.5 (318)	5.8 (147)	37.4	17.0

Shipping Weight

3VA65 800A, 4-pole Frame, Electronic Trip Unit

Continuous Ampere	M-Interrupting Class (MMAE)		H-Interrupting Class (HMAE)		C-Interrupting Class (CMAE)	
	Catalog Number		Catalog Number		Catalog Number	
ETU320 LI with dials						
600	3VA6560-5HL42-0AA0		3VA6560-6HL42-0AA0		3VA6560-7HL42-0AA0	
800	3VA6580-5HL42-0AA0		3VA6580-6HL42-0AA0		3VA6580-7HL42-0AA0	
ETU330 LIG with dials						
600	3VA6560-5HM42-0AA0		3VA6560-6HM42-0AA0		3VA6560-7HM42-0AA0	
800	3VA6580-5HM42-0AA0		3VA6580-6HM42-0AA0		3VA6580-7HM42-0AA0	
ETU350 LSI with dials						
600	3VA6560-5HN42-0AA0		3VA6560-6HN42-0AA0		3VA6560-7HN42-0AA0	
800	3VA6580-5HN42-0AA0		3VA6580-6HN42-0AA0		3VA6580-7HN42-0AA0	
ETU550 LSI with LCD						
600	3VA6560-5JP42-0AA0		3VA6560-6JP42-0AA0		3VA6560-7JP42-0AA0	
800	3VA6580-5JP42-0AA0		3VA6580-6JP42-0AA0		3VA6580-7JP42-0AA0	
ETU556 LSI(G Alarm) with LCD						
600	3VA6560-5JT42-0AA0		3VA6560-6JT42-0AA0		3VA6560-7JT42-0AA0	
800	3VA6580-5JT42-0AA0		3VA6580-6JT42-0AA0		3VA6580-7JT42-0AA0	
ETU560 LSI(G) with LCD						
600	3VA6560-5JQ42-0AA0		3VA6560-6JQ42-0AA0		3VA6560-7JQ42-0AA0	
800	3VA6580-5JQ42-0AA0		3VA6580-6JQ42-0AA0		3VA6580-7JQ42-0AA0	
ETU820 LI with LCD and Metering						
600	3VA6560-5KL42-0AA0		3VA6560-6KL42-0AA0		3VA6560-7KL42-0AA0	
800	3VA6580-5KL42-0AA0		3VA6580-6KL42-0AA0		3VA6580-7KL42-0AA0	
ETU856 LSI(G Alarm) with LCD and Metering						
600	3VA6560-5KT42-0AA0		3VA6560-6KT42-0AA0		3VA6560-7KT42-0AA0	
800	3VA6580-5KT42-0AA0		3VA6580-6KT42-0AA0		3VA6580-7KT42-0AA0	
ETU860 LSI(G) with LCD and Metering						
600	3VA6560-5KQ42-0AA0		3VA6560-6KQ42-0AA0		3VA6560-7KQ42-0AA0	
800	3VA6580-5KQ42-0AA0		3VA6580-6KQ42-0AA0		3VA6580-7KQ42-0AA0	

Molded Case Circuit Breakers

3VA55 and 3VA65 800A / 3VA66 1000A Electronic Trip Circuit Breakers

Selection

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	3VA9573-0JB23	3VA9574-0JB23
Aluminum body lug, 2 cables (Cu/Al cable) with control wire tap	4/0	600 kcmil	3VA9573-0JG23	3VA9574-0JG23
Aluminum body lug, 2 cables (Cu/Al cable) with 1 extended terminal cover ^①	400 kcmil	750 kcmil	3VA9673-0JJ24	3VA9674-0JJ24
Aluminum body lug, 2 cables (Cu/Al cable) with control wire tap and 1 extended terminal cover ^①	400 kcmil	750 kcmil	3VA9673-0JC24	3VA9674-0JC24
Aluminum body lug, 3 cables (Cu/Al cable)	4/0	400 kcmil	3VA9673-0JB32	3VA9674-0JB32
Aluminum body lug, 3 cables (Cu/Al cable) with control wire tap	4/0	400 kcmil	3VA9673-0JG32	3VA9674-0JG32
Aluminum body lug, 3 cables (Cu/Al cable) with 1 extended terminal cover ^①	500 kcmil	750 kcmil	3VA9673-0JJ34	3VA9674-0JJ34
Aluminum body lug, 3 cables (Cu/Al cable) with control wire tap and 1 extended terminal cover ^①	500 kcmil	750 kcmil	3VA9673-0JC34	3VA9674-0JC34
Aluminum body lug, 4 cables (Cu/Al cable) with 1 extended terminal cover ^①	4/0	500 kcmil	3VA9673-0JJ43	3VA9674-0JJ43
Aluminum body lug, 4 cables (Cu/Al cable) with control wire tap and 1 extended terminal cover ^①	4/0	500 kcmil	3VA9673-0JC43	3VA9674-0JC43
Aluminum body lug, 4 cables (Cu/Al cable) with 1 extended terminal cover ^①	4/0	600 kcmil	3VA9673-0JJ44	3VA9674-0JJ44
Aluminum body lug, 4 cables (Cu/Al cable) with control wire tap and 1 extended terminal cover ^①	4/0	600 kcmil	3VA9673-0JC44	3VA9674-0JC44
Copper body lug, 3 cables (Cu/Al cable) ^①	4/0	400 kcmil	3VA9673-0JD32	3VA9674-0JD32
Copper body lug, 3 cables (Cu/Al cable) with control wire tap ^①	4/0	400 kcmil	3VA9673-0JK32	3VA9674-0JK32
Copper body lug, 4 cables (Cu/Al cable) with 1 extended terminal cover	4/0	500 kcmil	3VA9673-0JE43	3VA9674-0JE43
Copper body lug, 4 cables (Cu/Al cable) with control wire tap and 1 extended terminal cover	4/0	500 kcmil	3VA9673-0JL43	3VA9674-0JL43

^① Meets requirements for 100% rated breakers up to 800A, requires the use of 90 degree wire.

■ Product not yet released.

Trip Settings for 3VA55

TM230 - FTAM

I _n (Amp)	I _n (Amp)	I _n (Amp)					
600	600	3000	3600	4200	4800	5400	6000
700	700	3500	4200	4900	5600	6300	7000
800	800	4000	4800	5600	6400	7200	8000

Trip Settings for 3VA65 and 3VA66

ETU320-LI, ETU330-LIG, ETU350-LSI

Cont. Amp	LI, LIG, LSI			LSI			LIG	LI, LIG, LSI 4P only
I _n (Amp)	I _n (Amp) (L)	t _{in} (sec) (L)	I _n (Amp) (I)	I _{in} (Amp) (S)	t _{in} (sec) (S)	I _n (Amp) (G)	I _n (Amp) (G)	I _n =xI _n (Amp)
600	240 - 600	0.5 - 17	900 - 7200	1.5 - 12	0 - 0.4	120 - 600		0.2 - 1.0
800	320 - 800	0.5 - 17	1200 - 8000	1.5 - 10	0 - 0.4	160 - 800		0.2 - 1.0
1000	400 - 1000	0.5 - 17	1500 - 10000	1.5 - 10	0 - 0.4	200 - 1000		0.2 - 1.0

Internal accessories		3VA5 & 3VA6 800A & 1000A 3- & 4-pole															
Optional equipment		Slot No.:															
Auxiliary switch	Type																
	AUX_HQ	x	x	x	x											x	x
	AUX_HQ_el	x	x	x	x											x	x
Leading changeover switch	AUX_HP	x	x													x	x
	LCS_HQ															x	
	LCS_HQ_el															x	
Alarm switch	LCS_HP															x	
	Type																
	TAS_HQ															x	x
Trip alarm switch	TAS_HQ_el															x	x
	TAS_HP															x	
	EAS_HQ																x
Electrical alarm switch (3VA6)	EAS_HQ_el																x
	SAS_HQ																
	SAS_HQ_el																
Auxiliary release	Type																
	STF															x	
	STL (EI)															x	
Residual current release	RCR																
	UVR																
	UNI																
ETU/communication [®]	Type																
	COM060															x	
	24 V module															x	
Other																	
	Cylinder lock (type Ronis)															x	

ETU550-LSI, ETU556 LSI(A), ETU560-LSIG, ETU820-LI, ETU856 LSI(A), ETU860-LSIG

Cont. Amp	LI, LIG, LSI, LSIG, LSI(G)			LSI, LSIG, LSI(G)		LIG, LSIG, LSI(G)		LSI 3P with External CT	LI, LIG, LSI, LSIG, LSI(G) 4P only
I _n (Amp)	I _n (Amp) (L)	t _{in} (sec) (L)	I _n (Amp) (I)	I _{in} (Amp) (S)	t _{in} (sec) (S)	I _n (Amp) (G)	t _{in} (G)	I _n =xI _n (Amp)	I _n (Amp)
600	240 - 600	0.5 - 25	900 - 7200	360 - 7200	0.05 - 0.5	120 - 600	0.05 - 0.8	120 - 960	120 - 600
800	320 - 800	0.5 - 25	1200 - 8000	480 - 8000	0.05 - 0.5	160 - 800	0.05 - 0.8	160 - 1280	160 - 800
1000	400 - 1000	0.5 - 25	1500 - 10000	600 - 10000	0.05 - 0.5	200 - 1000	0.05 - 0.8	200 - 1600	200 - 1000

For specific trip settings refer to the Electronic Trip Unit section of the 3VA Systems Manual, which can be found in the document download center at https://www.siemens.com/download?BTLV_50412

Molded Case Circuit Breakers

3VA66 1000A Electronic Trip Circuit Breakers

Selection



3VA66 800A 3-Pole

Ordering Information

The catalog numbers listed below are for complete, non-interchangeable trip circuit breakers with nut keepers on both line and load ends.

Order required lugs or connection technology separately for field installation.

All 3VA66 electronic trip circuit breakers are CSA approved / UL listed for reverse feed applications.

All 3VA66 circuit breakers are certified to UL 489 Supplement SB, are marked "Naval", and are suitable for use at 50C.

3VA66 1000A, 3-pole Frame, Electronic Trip Unit

Continuous Ampere	M-Interrupting Class (MMNAE)	H-Interrupting Class (HMNAE)	C-Interrupting Class (CMNAE)
	Catalog Number	Catalog Number	Catalog Number
ETU320 LI with dials			
1000	3VA6610-5HL32-0AA0	3VA6610-6HL32-0AA0	3VA6610-7HL32-0AA0
ETU330 LIG with dials			
1000	3VA6610-5HM32-0AA0	3VA6610-6HM32-0AA0	3VA6610-7HM32-0AA0
ETU350 LSI with dials			
1000	3VA6610-5HN32-0AA0	3VA6610-6HN32-0AA0	3VA6610-7HN32-0AA0
ETU550 LSI with LCD			
1000	3VA6610-5JP32-0AA0	3VA6610-6JP32-0AA0	3VA6610-7JP32-0AA0
ETU556 LSI(G Alarm) with LCD			
1000	3VA6610-5JT32-0AA0	3VA6610-6JT32-0AA0	3VA6610-7JT32-0AA0
ETU560 LSI(G) with LCD			
1000	3VA6610-5JQ32-0AA0	3VA6610-6JQ32-0AA0	3VA6610-7JQ32-0AA0
ETU820 LI with LCD and Metering			
1000	3VA6610-5KL32-0AA0	3VA6610-6KL32-0AA0	3VA6610-7KL32-0AA0
ETU856 LSI(G Alarm) with LCD and Metering			
1000	3VA6610-5KT32-0AA0	3VA6610-6KT32-0AA0	3VA6610-7KT32-0AA0
ETU860 LSI(G) with LCD and Metering			
1000	3VA6610-5KQ32-0AA0	3VA6610-6KQ32-0AA0	3VA6610-7KQ32-0AA0

3VA66 1000A Electronic Trip Circuit Breakers

Selection



Interrupting Ratings for 3VA66

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

Dimensions

Shipping Weight

Breaker	Poles	W in. (mm)	H in. (mm)	D in. (mm)	lbs.	kg
3VA66	3	8.3 (210)	12.5 (318)	5.8 (147)	29.4	13.4
3VA66	4	11.1 (280)	12.5 (318)	5.8 (147)	37.4	17.0

3VA66 1000A, 4-pole Frame, Electronic Trip Unit

Continuous Ampere	M-Interrupting Class (MMNAE)	H-Interrupting Class (HMNAE)	C-Interrupting Class (CMNAE)
	Catalog Number	Catalog Number	Catalog Number
ETU320 LI with dials			
1000	3VA6610-5HL42-0AA0	3VA6610-6HL42-0AA0	3VA6610-7HL42-0AA0
ETU330 LIG with dials			
1000	3VA6610-5HM42-0AA0	3VA6610-6HM42-0AA0	3VA6610-7HM42-0AA0
ETU350 LSI with dials			
1000	3VA6610-5HN42-0AA0	3VA6610-6HN42-0AA0	3VA6610-7HN42-0AA0
ETU550 LSI with LCD			
1000	3VA6610-5JP42-0AA0	3VA6610-6JP42-0AA0	3VA6610-7JP42-0AA0
ETU556 LSI(G Alarm) with LCD			
1000	3VA6610-5JT42-0AA0	3VA6610-6JT42-0AA0	3VA6610-7JT42-0AA0
ETU560 LSIG with LCD			
1000	3VA6610-5JQ42-0AA0	3VA6610-6JQ42-0AA0	3VA6610-7JQ42-0AA0
ETU820 LI with LCD and Metering			
1000	3VA6610-5KL42-0AA0	3VA6610-6KL42-0AA0	3VA6610-7KL42-0AA0
ETU856 LSI(G Alarm) with LCD and Metering			
1000	3VA6610-5KT42-0AA0	3VA6610-6KT42-0AA0	3VA6610-7KT42-0AA0
ETU860 LSIG with LCD and Metering			
1000	3VA6610-5KQ42-0AA0	3VA6610-6KQ42-0AA0	3VA6610-7KQ42-0AA0



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Molded Case Circuit Breakers

3VA Molded Case Switch and Motor Circuit Protector

Selection

Breaking capacity (the SCCR rating) is the maximum permissible short circuit current at the installation location of the MCS in combination with an appropriate overload protective device.

Molded Case Switch Magnetic

Frame (Breaker Type)	Max. Ampere Rating	2-Pole	3-Pole	Short-Circuit Current Rating			Instantaneous short circuit protection
		Catalog Number	Catalog Number	240V	480V	600V	
3VA51 (HEAS)	100	3VA5110-1BB21-0AA0	3VA5110-1BB31-0AA0	100k	65k	14k ^①	1600 A
3VA52 (HFAS)	150	3VA5215-0BB61-0AA0	3VA5215-0BB31-0AA0	100k	65k	25k	2400 A
	250	3VA5225-0BB61-0AA0	3VA5225-0BB31-0AA0	100k	65k	25k	2500 A
3VA53 (HJAS)	400	3VA5340-0BB61-0AA0	3VA5340-0BB31-0AA0	100k	65k	25k	6000 A
3VA54 (HLAS)	600	3VA5460-0BB61-0AA0	3VA5460-0BB31-0AA0	100k	65k	25k	6000 A
3VA55 (HMAS)	800	3VA5580-0BB61-0AA0	3VA5580-0BB31-0AA0	100k	65k	25k	8000 A

3VA52 (CFAS)	100	3VA5210-1BB61-0AA0	3VA5210-1BB31-0AA0	200k	100k	35k	2500 A
	150	3VA5215-1BB61-0AA0	3VA5215-1BB31-0AA0	200k	100k	35k	2400 A
	250	3VA5225-1BB61-0AA0	3VA5225-1BB31-0AA0	200k	100k	35k	2500 A
3VA53 (CJAS)	400	3VA5340-1BB61-0AA0	3VA5340-1BB31-0AA0	200k	100k	35k	6000 A
3VA54 (CLAS)	600	3VA5460-1BB61-0AA0	3VA5460-1BB31-0AA0	200k	100k	35k	6000 A
3VA55 (CMAS)	800	3VA5580-1BB61-0AA0	3VA5580-1BB31-0AA0	100k	100k	50k	8000 A

Molded Case Switch Electronic

Frame (Breaker Type)	Max. Ampere Rating	2-Pole	3-Pole	Short-Circuit Current Rating			Instantaneous short circuit protection
		Catalog Number	Catalog Number	240V	480V	600V	
3VA63 (CJAE)	400	—	3VA6340-1BB31-0AA0	200k	100k	35k	5600 A
3VA64 (CLAE)	600	—	3VA6460-1BB31-0AA0	200k	100k	35k	5400 A



Magnetic switch



Electronic Trip Unit switch

Molded Case Circuit Breakers

3VA Molded Case Switch and Motor Circuit Protector

Selection

Motor circuit protector TM120M AM^③

Frame (Breaker Type)	Maximum Ampere Rating	3-Pole Catalog Number	Instantaneous short circuit protection
3VA51 (HEAP)	1	3VA5181-1MU31-0AA0	3 ... 7
		3VA5181-1MH31-0AA0	5 ... 12
	2	3VA5102-1MU31-0AA0	6 ... 14
		3VA5102-1MH31-0AA0	10 ... 24
	3	3VA5103-1MU31-0AA0	9 ... 21
		3VA5103-1MH31-0AA0	15 ... 36
	5	3VA5105-1MU31-0AA0	15 ... 35
		3VA5105-1MH31-0AA0	25 ... 60
	7	3VA5107-1MU31-0AA0	21 ... 49
		3VA5107-1MH31-0AA0	35 ... 84
	10	3VA5191-1MU31-0AA0	30 ... 70
		3VA5191-1MH31-0AA0	50 ... 120
	15	3VA5195-1MU31-0AA0	45 ... 105
		3VA5195-1MH31-0AA0	75 ... 180
	25	3VA5125-1MU31-0AA0	75 ... 175
		3VA5125-1MH31-0AA0	125 ... 300
	30	3VA5130-1MU31-0AA0	90 ... 210
		3VA5130-1MH31-0AA0	150 ... 360
	40	3VA5140-1MU31-0AA0	120 ... 280
		3VA5140-1MH31-0AA0	200 ... 480
	50	3VA5150-1MU31-0AA0	150 ... 350
		3VA5150-1MH31-0AA0	250 ... 600
	70	3VA5170-1MU31-0AA0	210 ... 490
		3VA5170-1MH31-0AA0	350 ... 840
	80	3VA5180-1MU31-0AA0	240 ... 560
		3VA5180-1MH31-0AA0	400 ... 960
3VA52 (HFAP)	90	3VA5190-1MU31-0AA0	270 ... 630
		3VA5190-1MH31-0AA0	450 ... 1080
	100	3VA5110-1MU31-0AA0	300 ... 700
		3VA5110-1MH31-0AA0	500 ... 1200
	110	3VA5111-1MU31-0AA0	330 ... 770
		3VA5111-1MH31-0AA0	550 ... 1320
	125	3VA5112-1MU31-0AA0	375 ... 875
		3VA5112-1MH31-0AA0	625 ... 1500
	150	3VA5215-0MU31-0AA0	450 ... 900
		3VA5215-0MH31-0AA0	900 ... 1800
	200	3VA5220-0MU31-0AA0	600 ... 1200
		3VA5220-0MH31-0AA0	1200 ... 2400
3VA53 (HJAP)	250	3VA5325-0MU31-0AA0	750 ... 1500
		3VA5325-0MH31-0AA0	1500 ... 3000

Motor circuit protector TM120M AM^②

3VA52 (CFAP)	150	3VA5215-1MU31-0AA0	450 ... 900
		3VA5215-1MH31-0AA0	900 ... 1800
	200	3VA5220-1MU31-0AA0	600 ... 1200
		3VA5220-1MH31-0AA0	1200 ... 2400

Motor circuit protector TM120M AM^②

Frame (Breaker Type)	Maximum Ampere Rating	3-Pole Catalog Number	Instantaneous short circuit protection
3VA54 (HLAP)	400	3VA5440-0MU31-0AA0	750 ... 1500
		3VA5440-0MH31-0AA0	1200 ... 2400
	500	3VA5450-0MU31-0AA0	1500 ... 3000
		3VA5450-0MH31-0AA0	3000 ... 6000
	600	3VA5460-0MU31-0AA0	1800 ... 3600
		3VA5460-0MH31-0AA0	3000 ... 6000
3VA55 (HMAP)	600	3VA5560-0MH31-0AA0	4800 ... 9600
3VA52 (CFAP)	150	3VA5215-1MU31-0AA0	450 ... 900
		3VA5215-1MH31-0AA0	900 ... 1800
	200	3VA5220-1MU31-0AA0	600 ... 1200
		3VA5220-1MH31-0AA0	1200 ... 2400
3VA53 (CJAP)	250	3VA5225-1MU31-0AA0	750 ... 900
		3VA5225-1MH31-0AA0	1250 ... 2500
	250	3VA5325-1MU31-0AA0	750 ... 1500
3VA54 (CLAP)	400	3VA5325-1MH31-0AA0	1500 ... 3000
		3VA5440-1MU31-0AA0	750 ... 1500
3VA55 (CMAP)	400	3VA5440-1MH31-0AA0	2400 ... 4800
		3VA5450-1MU31-0AA0	1500 ... 3000
	500	3VA5450-1MH31-0AA0	3000 ... 6000
		3VA5460-1MU31-0AA0	1500 ... 3000
3VA55 (CMAP)	600	3VA5460-1MH31-0AA0	3000 ... 6000
		3VA5560-1MH31-0AA0	4800 ... 9600

Motor circuit protector ETU310M^②

Frame (Breaker Type)	Maximum Ampere Rating	3-Pole Catalog Number	Instantaneous short circuit protection
3VA61 (CDAR)	25	3VA6125-1MS31-0AA0	75 ... 375
	30	3VA6130-1MS31-0AA0	90 ... 450
	40	3VA6140-1MS31-0AA0	120 ... 600
	50	3VA6150-1MS31-0AA0	150 ... 750
	70	3VA6170-1MS31-0AA0	210 ... 1050
	80	3VA6180-1MS31-0AA0	240 ... 1200
	90	3VA6190-1MS31-0AA0	270 ... 1350
	100	3VA6110-1MS31-0AA0	300 ... 1500
	110	3VA6211-1MS31-0AA0	330 ... 1650
		3VA6212-1MS31-0AA0	375 ... 1875
3VA62 (CFAR-Y)	125	3VA6215-1MS31-0AA0	450 ... 2250
	150	3VA6220-1MS31-0AA0	600 ... 2400
	200	3VA6220-1MS31-0AA0	600 ... 3000
3VA63 (CJAR)	250	3VA6320-1MS31-0AA0	750 ... 3750
3VA64 (CLAR)	400	3VA6325-1MS31-0AA0	1200 ... 5200
	500	3VA6440-1MS31-0AA0	1500 ... 6000
3VA65 (CMAR)	800	3VA6580-1MS31-0AA0	2400 ... 12000

Interrupting Ratings

Frame	Breaker Type	RMS Symmetrical Amperes (kA)							
		Volts AC (50/60 Hz)				Volts DC			
		240	480	600Y/347V	600	125 (1P)	250 (2P)	500 ^④ (3P)	600 (3P)
3VA51	HEAP	150	65	25	—	30	100	100	—
3VA52	HFAP	100	65	25	25	—	—	85	85
	CFAP	200	100	35	35	—	—	100	100
3VA53	HJAP	100	65	25	25	—	—	—	—
	CHAP	200	100	35	35	—	—	—	—
3VA54	HLAP	100	65	25	25	—	—	—	—
	CLAP	200	100	35	35	—	—	—	—
3VA55	HMAP	100	65	25	—	—	—	—	—
	CMAP	100	100	50	—	—	—	—	—
3VA61	CDAR	200	100	35	35	—	—	—	—
3VA62	CFAR	200	100	35	35	—	—	—	—
3VA63	CJAR	200	100	35	35	—	—	—	—
3VA64	CLAR	200	100	35	35	—	—	—	—
3VA65	CMAR	200	100	42	—	—	—	—	—



Motor Circuit Protector

- ① Rated at 600 Y/347 V AC.
- ② SCCR is 35kA at 600V. SCCR rating is the maximum permissible short circuit current of the MCP in combination with an appropriate overload protection device.
- ③ SCCR is 25kA at 600V. SCCR rating is the maximum permissible short circuit current of the MCP in combination with an appropriate overload protection device.
- ④ 2 poles required for 500VDC for breaker types HFAP and CFAP.

Molded Case Circuit Breakers

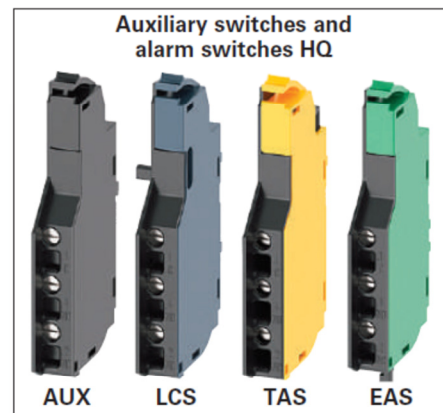
3VA Internal Accessories

Selection

Internal Accessories

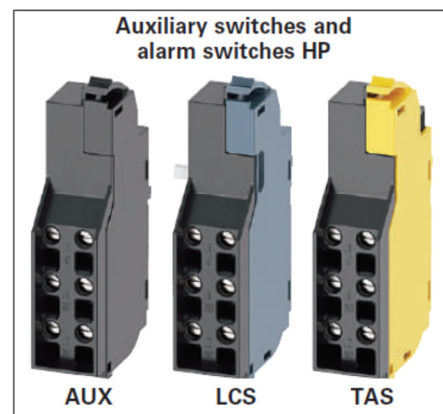
Auxiliary and Alarm Switches

Switch Type	Catalog Number		
	HP High Power (2 slots)	HQ Compact (1 slot)	HQ Electronic ^① (1 slot)
Auxiliary Switch (AUX)	3VA9978-0AA11	3VA9978-0AA12	3VA9978-0AA13
Leading Changeover Switch (LCS)	3VA9978-0AA21	3VA9978-0AA22	3VA9978-0AA23
Trip Alarm Switch (TAS)	3VA9978-0AB11	3VA9978-0AB12	3VA9978-0AB13
Electronic Alarm (EAS)	—	3VA9978-0AB22	3VA9978-0AB23



Shunt Trips

Type	VAC 50/60 Hz	VDC	Catalog Number (3 slots)
Shunt Trip Left (STL)	380 ... 600	—	3VA9978-0BL20
	—	12	3VA9978-0BL10
	24	24 ... 30	3VA9978-0BL30
	48 ... 60	—	3VA9978-0BL31
	110 ... 127	110 ... 127	3VA9978-0BL32
	208 ... 277	220 ... 250	3VA9978-0BL33
Shunt Trip Flexible (STF) ^②	24	—	3VA9978-0BA20
	48 ... 60	—	3VA9978-0BA21
	110 ... 127	—	3VA9978-0BA22
	208 ... 277	—	3VA9978-0BA23
	380 ... 500	—	3VA9978-0BA24
	600	—	3VA9978-0BA25



Undervoltage Release

Undervoltage Release (UVR)	—	12	3VA9978-0BB10
	—	24	3VA9978-0BB11
	—	48	3VA9978-0BB12
	—	125 ... 127	3VA9978-0BB14
	—	250	3VA9978-0BB16
	24	—	3VA9978-0BB20
	120 ... 127	—	3VA9978-0BB24
	208 ... 230	—	3VA9978-0BB25
	440 ... 480	—	3VA9978-0BB27
	—	—	—

Universal Release (Undervoltage and Shunt trip)

Universal Release (UNI)	—	12	3VA9978-0BD11
	—	24	3VA9978-0BD12
	—	48	3VA9978-0BD13



Time-delay Device for Undervoltage Release

Type	VAC 50/60 Hz	VDC	Delay Time	Catalog Number
Time-delay Device	230	230	Fixed – 100ms minimum	3VA9978-0BF22
	—	24	Fixed – 100ms minimum	3VA9978-0BF23



^① Use only with 3VA6.

^② Shunt trip flexible can be used in the left pocket of the 3VA5 breakers. They can be used in the left or right pocket of the 3VA6 breakers.

Molded Case Circuit Breakers

3VA Manual Operators

Selection

Front Mounted Rotary Operator

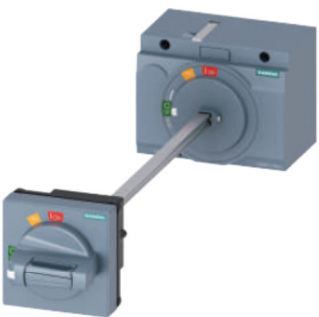
	Type	Color	3VA5 125A	3VA5 250A	3VA6 150A 250A	3VA5 3VA6 400A 600A	3VA5 3VA6 800A 1000A	Catalog Number
 Degree of protection NEMA 1	Standard without illumination kit	Gray	✓	—	—	—	—	3VA9137-0EK11
			—	✓	✓	—	—	3VA9277-0EK11
			—	—	—	✓	—	3VA9447-0EK11
			—	—	—	—	✓	3VA9677-0EK11
	Standard with illumination kit	Gray	✓	—	—	—	—	3VA9137-0EK13
			—	✓	✓	—	—	3VA9277-0EK13
			—	—	—	✓	—	3VA9447-0EK13
	EMERGENCY-OFF without illumination kit	Yellow-Red	✓	—	—	—	—	3VA9137-0EK15
			—	✓	✓	—	—	3VA9277-0EK15
			—	—	—	✓	—	3VA9447-0EK15
			—	—	—	—	✓	3VA9677-0EK15
	EMERGENCY-OFF with illumination kit	Yellow-Red	✓	—	—	—	—	3VA9137-0EK17
			—	✓	✓	—	—	3VA9277-0EK17
			—	—	—	✓	—	3VA9447-0EK17
	Standard with door interlock	Gray	✓	—	—	—	—	3VA9137-0EK21
			—	✓	✓	—	—	3VA9277-0EK21
			—	—	—	✓	—	3VA9447-0EK21
			—	—	—	—	✓	3VA9677-0EK21
	Standard with door interlock, with illumination kit	Gray	✓	—	—	—	—	3VA9137-0EK23
			—	✓	✓	—	—	3VA9277-0EK23
			—	—	—	✓	—	3VA9447-0EK23
	EMERGENCY-OFF with door interlock	Yellow-Red	✓	—	—	—	—	3VA9137-0EK25
			—	✓	✓	—	—	3VA9277-0EK25
			—	—	—	✓	—	3VA9447-0EK25
			—	—	—	—	✓	3VA9677-0EK25
	EMERGENCY-OFF with door interlock, with illumination kit	Yellow-Red	✓	—	—	—	—	3VA9137-0EK27
			—	✓	✓	—	—	3VA9277-0EK27
			—	—	—	✓	—	3VA9447-0EK27
	Standard with door interlock, with door open function	Gray	✓	—	—	—	—	3VA9137-0EK31
			—	✓	✓	—	—	3VA9277-0EK31
			—	—	—	✓	—	3VA9447-0EK31
			—	—	—	—	✓	3VA9677-0EK31
	Standard with door interlock, with door open function, with illumination kit	Gray	✓	—	—	—	—	3VA9137-0EK33
			—	✓	✓	—	—	3VA9277-0EK33
			—	—	—	✓	—	3VA9447-0EK33
	EMERGENCY-OFF with door interlock, with door open function	Yellow-Red	✓	—	—	—	—	3VA9137-0EK35
			—	✓	✓	—	—	3VA9277-0EK35
			—	—	—	✓	—	3VA9447-0EK35
			—	—	—	—	✓	3VA9677-0EK35
	EMERGENCY-OFF with door interlock, with door open function, with illumination kit	Yellow-Red	✓	—	—	—	—	3VA9137-0EK37
			—	✓	✓	—	—	3VA9277-0EK37
			—	—	—	✓	—	3VA9447-0EK37

Molded Case Circuit Breakers

3VA Manual Operators

Selection

Door Mounted Rotary Operator^①

	Type	Color	3VA5 125A	3VA5 250A	3VA6 150A 250A	3VA5 3VA6 400A 600A	3VA5 3VA6 800A 1000A	Catalog Number
 Degree of protection Type 1, 12, 3R and 4X	Standard	Gray	✓	—	—	—	—	3VA9137-0FK21
			—	✓	✓	—	—	3VA9277-0FK21
			—	—	—	✓	—	3VA9447-0FK21
			—	—	—	—	✓	3VA9677-0FK21
	Standard with illumination kit	Gray	✓	—	—	—	—	3VA9137-0FK23
			—	✓	✓	—	—	3VA9277-0FK23
			—	—	—	✓	—	3VA9447-0FK23
			—	—	—	—	✓	3VA9677-0FK23
	EMERGENCY-OFF	Yellow-Red	✓	—	—	—	—	3VA9137-0FK25
			—	✓	✓	—	—	3VA9277-0FK25
			—	—	—	✓	—	3VA9447-0FK25
			—	—	—	—	✓	3VA9677-0FK25
	EMERGENCY-OFF with illumination kit	Yellow-Red	✓	—	—	—	—	3VA9137-0FK27
			—	✓	✓	—	—	3VA9277-0FK27
			—	—	—	✓	—	3VA9447-0FK27
			—	—	—	—	✓	3VA9677-0FK27
	Standard with door interlock, with open door function	Gray	✓	—	—	—	—	3VA9137-0FK31
			—	✓	✓	—	—	3VA9277-0FK31
			—	—	—	✓	—	3VA9447-0FK31
			—	—	—	—	✓	3VA9677-0FK31
 NFPA-79 Supplementary Handles	Standard	Gray	✓	—	—	—	—	3VA9137-0FK33
			—	✓	✓	—	—	3VA9277-0FK33
			—	—	—	✓	—	3VA9447-0FK33
			—	—	—	—	✓	3VA9677-0FK33
	Standard with door interlock, with open door function with illumination kit	Gray	✓	—	—	—	—	3VA9137-0FK35
			—	✓	✓	—	—	3VA9277-0FK35
			—	—	—	✓	—	3VA9447-0FK35
			—	—	—	—	✓	3VA9677-0FK35
	EMERGENCY-OFF with door interlock, with open door function	Yellow-Red	✓	—	—	—	—	3VA9137-0FK37
			—	✓	✓	—	—	3VA9277-0FK37
			—	—	—	✓	—	3VA9447-0FK37
			—	—	—	—	✓	3VA9677-0FK37
	EMERGENCY-OFF with door interlock, with open door function, with illumination kit	Yellow-Red	✓	—	—	—	—	3VA9137-0GC01
			—	✓	✓	—	—	3VA9277-0GC01
			—	—	—	✓	—	3VA9447-0GC01
			—	—	—	—	✓	3VA9677-0GC01
	Standard	Gray	✓	—	—	—	—	3VA9137-0GC05
			—	✓	✓	—	—	3VA9277-0GC05
			—	—	—	✓	—	3VA9447-0GC05
			—	—	—	—	✓	3VA9677-0GC05

Side Mounted Rotary Operator^①

 - Without mounting plate - Rotary operator with shaft 300 mm - Handle with masking plate 75 x 75 mm - Degree of protection Type 1, 12, 3R, 4X	Standard	Gray	✓	—	—	—	—	3VA9137-0PK11
			—	✓	✓	—	—	3VA9277-0PK11
	Standard with illumination kit	Gray	✓	—	—	—	—	3VA9137-0PK13
			—	✓	✓	—	—	3VA9277-0PK13
	EMERGENCY-OFF	Yellow-Red	✓	—	—	—	—	3VA9137-0PK15
			—	✓	✓	—	—	3VA9277-0PK15
 - With mounting plate - Rotary operator with short shaft - Handle with masking plate 75 x 75 mm - Degree of protection Type 1, 12, 3R, 4X	EMERGENCY-OFF with illumination kit	Yellow-Red	✓	—	—	—	—	3VA9137-0PK17
			—	✓	✓	—	—	3VA9277-0PK17
	Standard with mounting plate	Gray	✓	—	—	—	—	3VA9137-0PK51
			—	✓	✓	—	—	3VA9277-0PK51
	Standard with mounting plate, with illumination kit	Gray	✓	—	—	—	—	3VA9137-0PK53
			—	✓	✓	—	—	3VA9277-0PK53
	EMERGENCY-OFF with mounting plate	Yellow-Red	✓	—	—	—	—	3VA9137-0PK55
			—	✓	✓	—	—	3VA9277-0PK55
 Side Mounted Rotary Operator Door Interlock	EMERGENCY-OFF with mounting plate, with illumination kit	Yellow-Red	✓	—	—	—	—	3VA9137-0PK57
			—	✓	✓	—	—	3VA9277-0PK57
	Standard for use with the side wall mounted rotary operators	Gray	✓	—	—	—	—	3VA9177-0VF40
	Without mounting plate		—	✓	✓	—	—	3VA9277-0VF40

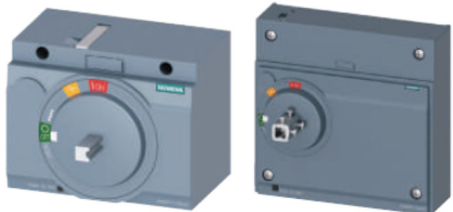
^① Lockable with up to three padlock hasps.

Molded Case Circuit Breakers

3VA Manual Operators

Selection

Breaker Operator

	Type	Color	3VA5 125A	3VA5 250A	3VA6 150A 250A	3VA5 3VA6 400A 600A	3VA5 3VA6 800A 1000A	Catalog Number
 3VA9277-0GK00 3VA9677-0GK00	Without handle, with shaft stub, without door interlock For retrofit with 3VL handle	Gray	✓	—	—	—	—	3VA9137-0GK00
			—	✓	✓	—	—	3VA9277-0GK00
			—	—	—	✓	—	3VA9447-0GK00
			—	—	—	—	✓	3VA9677-0GK00

Handles with Masking Plate (Purchase breaker operator, shaft and shaft adapter separately)

 ■ Degree of protection Type 1, 12, 3R and 4X	Standard	Gray	Without	Without	✓	✓	✓	—	—	8UD1721-0AB11
			With	Without	✓	✓	✓	—	—	8UD1721-0AB21
			Without	Without	—	—	✓	—	—	8UD1731-0AB11
			With	Without	—	—	✓	—	—	8UD1731-0AB21
			Without	With	✓	✓	✓	—	—	8UD1721-0AC11
			With	With	✓	✓	✓	—	—	8UD1721-0AC21
			Without	With	—	—	✓	—	—	8UD1731-0AC11
			With	With	—	—	✓	—	—	8UD1731-0AC21
			Without	With	—	—	—	✓	—	8UD1741-0AB11
			With	With	—	—	—	✓	—	8UD1741-0AB21
	EMERGENCY-OFF	Yellow-Red	Without	Without	✓	✓	✓	—	—	8UD1721-0AB15
			With	Without	✓	✓	✓	—	—	8UD1721-0AB25
			Without	Without	—	—	✓	—	—	8UD1731-0AB15
			With	Without	—	—	✓	—	—	8UD1731-0AB25
			Without	With	✓	✓	✓	—	—	8UD1721-0AC15
			With	With	✓	✓	✓	—	—	8UD1721-0AC25
			Without	With	—	—	✓	—	—	8UD1731-0AC15
			With	With	—	—	✓	—	—	8UD1731-0AC25
			Without	With	—	—	—	✓	—	8UD1741-0AB15
			With	With	—	—	—	✓	—	8UD1741-0AB25

Metal Rotary Handles (Purchase breaker operator, shaft and shaft adapter separately)

	Type	Color	Tolerance Compensation	Door Open Function	3VA5 125A	3VA5 250A	3VA6 150A 250A	3VA5 3VA6 400A 600A	3VA5 3VA6 800A 1000A	Catalog Number
 ■ Large, degree of protection Type 1, 3, 3R, 12	Metal	Black	—	With	✓	✓	✓	✓	✓	RHOH
■ Large, degree of protection Type 4, 4X	Metal	Stainless	—	With	✓	✓	✓	✓	✓	RHOH4
■ Compact, degree of protection Type 1,3,3R,12	Compact	Black	—	With	✓	✓	✓	✓	—	RHOHC
■ Compact, degree of protection Type 4, 4X	Compact	Stainless	—	With	✓	✓	✓	✓	—	RHOH4C
■ Long, degree of protection 1,3,3R,12	Emergency	Red	—	With	✓	✓	✓	✓	✓	RHVPEMH
■ Compact, degree of protection 1,3,3R,12	Emergency	Red	—	With	✓	✓	✓	✓	—	RHVMEMH

For additional information for selecting handle and breaker operator combinations, please refer to the brochure:
https://digitalcontentcenter.compas.siemens-info.com/SIE_FL_3VA_Handles.pdf

Molded Case Circuit Breakers

3VA Manual Operators

Selection

Pistol Grip Handles (Purchase breaker operator, shaft and shaft adapter separately)

	Type	Color	Tolerance Compensation	Door Open Function	3VA5 125A	3VA5 250A	3VA6 150A 250A	3VA5 3VA6 400A 600A	3VA5 3VA6 800A 1000A	Catalog Number
 ■ Degree of protection Type 1,3R,12	Plastic	Gray	—	With	✓	✓	✓	✓	—	3VA9477-0FH11
 ■ Degree of protection Type 1,3R,12	Emergency	Red	—	With	✓	✓	✓	✓	—	3VA9477-0FH15

Door Mounted Rotary Operator Accessories

	Type	3VA5 125A	3VA5 250A	3VA6 150A 250A	3VA5 3VA6 400A 600A	3VA5 3VA6 800A 1000A	Catalog Number
	8 mm Shaft 300 mm long (for 8UD plastic handles) (Fixing bracket optional)	✓	✓	✓	✓	—	8UD1900-2WA00
	8 mm Shaft 600 mm long (for 8UD plastic handles) (Fixing bracket required)	✓	✓	✓	✓	—	8UD1900-2WB00
	12 mm Shaft 325 mm long (for 8UD plastic handles)	—	—	—	—	✓	8UD1900-4WA00
	12 mm Shaft 600 mm long (for 8UD plastic handles)	—	—	—	—	✓	8UD1900-4WB00
	8 mm Shaft 300 mm long (for metal handles) (Fixing bracket optional)	✓	✓	✓	✓	—	3VA9477-0GF20
	8 mm Shaft 600 mm long (for metal handles) (Fixing bracket required)	✓	✓	✓	✓	—	3VA9477-0GF21
	12 mm Shaft 300 mm long (for metal handles) (Fixing bracket optional)	—	—	—	—	✓	3VA9877-0GF22
	12 mm Shaft 600 mm long (for metal handles) (Fixing bracket required)	—	—	—	—	✓	3VA9877-0GF23
	8 mm Shaft 300 mm long (for pistol grip handles) (Fixing bracket optional)	✓	✓	✓	✓	—	3VA9477-0GF10
	8 mm Shaft 600 mm long (for pistol grip handles) (Fixing bracket required)	✓	✓	✓	✓	—	3VA9477-0GF11
	Adapter for 8 mm Shaft for door mounted operator	✓	✓	✓	✓	—	8UD1900-2DA00
	Adapter for 12 mm Shaft for door mounted operator	—	—	—	—	✓	8UD1900-4DA00
	Door Coupling 8 mm x 8 mm (for 8UD plastic handles)	✓	✓	✓	—	—	8UD1900-2HA00
	Door coupling 12 mm x 12 mm (for 8UD plastic handles)	—	—	—	✓	✓	8UD1900-4HA00
	Fixing bracket for Shaft	✓	—	—	—	—	3VA9137-0GA80
		—	✓	✓	✓	—	3VA9477-0GA80
	Fixing bracket for 12 mm x 12 mm shaft	—	—	—	—	✓	3VA9677-0GA80
	Variable depth adapter 8 x 8 mm	✓	✓	✓	✓	—	3VA9487-0GB10
	Mounting tolerance compensation 8 x 8 mm (for 8UD plastic handles)	✓	✓	✓	✓	—	8UD1900-2GA00
	Mounting tolerance compensation 12 mm x 12 mm (for 8UD plastic handles)	—	—	—	—	✓	8UD1900-4GA00

Molded Case Circuit Breakers

3VA Manual Operators

Selection

General Accessories for Manual Operators

	Type	Details	Part Number
	Labeling plate for manual operators	—	3VA9087-0SX10
	Illumination kit for manual operators 24 V DC voltage	For Molded Case Circuit Breakers	
		3VA5, 125...250 A	Front mounted rotary operators
		3VA6, 150...600 A	8UD1900-0KA10
		3VA5, 3VA6, 125...600 A	8UD1900-0KA20
	Cylinder Lock (type Kaba) ■ For 8UD plastic door mounted rotary operators (in masking plate) ■ Standard masking plate	3VA5, 3VA6, 800...1000A	Door mounted rotary operators
		8UD1900-0KA20	8UD1900-0KA30
		8UD1900-0MB01	8UD1900-0NB01
		8UD1900-0PB01	8UD1900-0QB01
	Cylinder Lock (type Kaba) ■ For 8UD plastic door mounted rotary operators (in masking plate) ■ EMERGENCY-OFF masking plate	8UD1900-0MC01	8UD1900-0NC01
		8UD1900-0PC01	8UD1900-0QC01
		8UD1900-0MB05	8UD1900-0NB05
		8UD1900-0PB05	8UD1900-0QB05
	Cylinder Lock (type Kaba) ■ For 8UD plastic door mounted rotary operators (in masking plate) ■ EMERGENCY-OFF masking plate	8UD1900-0MC05	8UD1900-0NC05
		8UD1900-0PC05	8UD1900-0QC05
	Cylinder Lock (type Ronis) ■ includes 2 keys ■ for locking or interlocking ■ installation in all rotary operators w/ shaft stub	3VA9980-0VL10	3VA9980-0VL30
		3VA9980-0VL40	3VA9980-0LF20
	Cylinder lock adapter for 8UD rotary operator ■ to mount in rotary operator	3VA9677-0EK.. and door mounted rotary operator 3VA9677-0FK.. 3VA55/3VA65/3VA66	3VA9670-0LF20
		3VA9670-0LF20	3VA9670-0LF20
		3VA9670-0LF20	3VA9670-0LF20
		3VA9670-0LF20	3VA9670-0LF20

Variable depth flange mounted operator kit

	Type	3VA5 125A	3VA5 250A	3VA6 150A 250A	3VA5 3VA6 400A 600A	Catalog Number
	Complete kit comprising: ■ Switching mechanism adjustable depth 200mm to 400mm ■ Epoxy coated steel handle, NEMA 1/3R/12, black = OFF, red = ON	✓	—	—	—	3VA9138-0DK72
		—	✓	✓	—	3VA9278-0DK72
		—	—	—	✓	3VA9478-0DK72
	Complete kit comprising: ■ Switching mechanism adjustable depth 200mm to 400mm ■ Stainless steel handle, chrome-plated NEMA 4/4X, black=OFF, red=ON	✓	—	—	—	3VA9138-0DK82
		—	✓	✓	—	3VA9278-0DK82
		—	—	—	✓	3VA9478-0DK82
	Complete kit comprising: ■ Switching mechanism adjustable depth 200mm to 400mm ■ Handle stainless steel, chrome-plated NEMA 4/4X, black=OFF, black=ON	✓	—	—	—	3VA9138-0DK84
		—	✓	✓	—	3VA9278-0DK84
		—	—	—	✓	3VA9478-0DK84
		✓	—	—	—	3VA9138-0DK84
		—	✓	✓	—	3VA9278-0DK84
		—	—	—	✓	3VA9478-0DK84

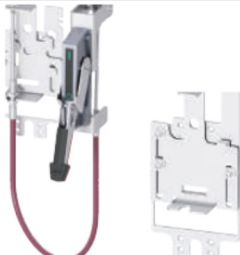
① With door open function

Molded Case Circuit Breakers

3VA Manual and Motor Operators

Selection

Max Flex Operator

	Type	3VA5 125A	3VA5 250A	3VA6 150A 250A	3VA5 3VA6 400A 600A	Catalog Number
	Complete Kit	✓	—	—	—	3VA9137-0CK12
	■ Operating mechanism	—	✓	✓	—	3VA9277-0CK12
	■ Plastic handle, NEMA 1/12, black=OFF, green=ON	—	—	—	✓	3VA9477-0CK12
	■ Bowden Cable 36 inches (0.9m) long	—	—	—	—	—
	Complete Kit	✓	—	—	—	3VA9137-0CK72
	■ Operating mechanism	—	✓	✓	—	3VA9277-0CK72
	■ Steel handle, epoxy coated NEMA 1/3R/12, black=OFF, red=ON,	—	—	—	✓	3VA9477-0CK72
	■ Bowden Cable 36 inches (0.9m) long	—	—	—	—	—
	Operating Mechanism (spare)	✓	—	—	—	3VA9137-0CB10
	Handle - Plastic, NEMA 1/12, black = OFF, green = ON	✓	✓	✓	✓	3VA9977-0CH12
	Handle - Steel, Epoxy coated, NEMA 1/3R/12, black = OFF, red = ON	✓	✓	✓	✓	3VA9977-0CH72
	Handle - Steel, Epoxy coated, NEMA 1/3R/12, black = OFF, black = ON	✓	✓	✓	✓	3VA9977-0CH74
	Handle - Steel, chrome-plated, NEMA 4/4X, black = OFF, red = ON	✓	✓	✓	✓	3VA9977-0CH82
	Handle - Steel, chrome-plated, NEMA 4/4X, black = OFF, black = ON	✓	✓	✓	✓	3VA9977-0CH84
	Bowden Cable, 36 inches (0.9m)	✓	✓	✓	—	3VA9278-0CC10
	Bowden Cable, 48 inches (1.2m)	✓	✓	✓	—	3VA9278-0CC20
	Bowden Cable, 60 inches (1.5m)	✓	✓	✓	—	3VA9278-0CC30
	Bowden Cable, 72 inches (1.8m)	✓	✓	✓	—	3VA9278-0CC40
	Bowden Cable, 84 inches (2.1m)	✓	✓	✓	—	3VA9278-0CC50
	Bowden Cable, 96 inches (2.4m)	✓	✓	✓	—	3VA9278-0CC60
	Bowden Cable, 120 inches (3.0m)	✓	✓	✓	—	3VA9278-0CC70
	Bowden Cable, 144 inches (3.6m)	✓	✓	✓	—	3VA9278-0CC80
	Bowden Cable, 36 inches (0.9m)	—	—	—	✓	3VA9578-0CC10
	Bowden Cable, 48 inches (1.2m)	—	—	—	✓	3VA9578-0CC20
	Bowden Cable, 60 inches (1.5m)	—	—	—	✓	3VA9578-0CC30
	Bowden Cable, 72 inches (1.8m)	—	—	—	✓	3VA9578-0CC40
	Bowden Cable, 84 inches (2.1m)	—	—	—	✓	3VA9578-0CC50
	Bowden Cable, 96 inches (2.4m)	—	—	—	✓	3VA9578-0CC60
	Bowden Cable, 120 inches (3.0m)	—	—	—	✓	3VA9578-0CC70
	Bowden Cable, 144 inches (3.6m)	—	—	—	✓	3VA9578-0CC80
	MaxFlex Auxiliary switch (leading from On to Off) ■ 1 CO	✓	✓	✓	✓	3VA9478-0CX10
	MaxFlex Auxiliary switch (leading from On to Off) ■ 2 CO	✓	✓	✓	✓	3VA9478-0CX20

Motor Operators^①

	Type	3VA5 125 A	3VA5 250 A	3VA6 150 A 250 A	3VA5 3VA6 400A 600A	Part Number
	Motor Operator without Stored Energy Feature					
	24 ... 60 V DC	✓	—	—	—	3VA9137-0HA10
		—	✓	✓	—	3VA9277-0HA10
		—	—	—	✓	3VA9447-0HA10
	110 ... 230 V AC	✓	—	—	—	3VA9137-0HA20
	110 ... 250 V DC	—	✓	✓	—	3VA9277-0HA20
	Motor Operator with Stored Energy Feature					
	24 V DC	—	✓	✓	—	3VA9277-0HC10
	42 ... 60 V AC/DC	—	✓	✓	—	3VA9277-0HC20
	110 ... 230 V AC / 110 ... 250 V DC	—	✓	✓	—	3VA9277-0HC30
	Motor Operator with Stored Energy Feature with Communication					
	24 V DC	—	✓	✓	—	3VA9277-0HC15
	110 ... 230 V AC / 110 ... 250 V DC	—	✓	✓	—	3VA9277-0HC35

^① Lockable with up to three padlock hasps.

Molded Case Circuit Breakers

3VA Connection Technology

Selection

Box Terminals

	Type	Minimum cable cross-section (standard) Class B	Maximum cable cross-section (standard) Class B	For molded case circuit breakers/ rated current					Part Number
				3VA5 125A	3VA5 250A	3VA6 150A 250A	3VA5 3VA6 400A 600A	3VA5 3VA6 800A 1000A	
	Steel wrap-around lug (Cu cable only) kit of 3 single lugs	AWG 14	3/0	✓	—	—	—	—	3VA9133-0JA11
		AWG 10	3/0	—	✓	—	—	—	3VA9233-0JA11
		AWG 4	350 kcmil	—	✓	—	—	—	3VA9233-0JA12
		AWG 10	3/0	—	—	✓	—	—	3VA9143-0JA12
		AWG 4	350 kcmil	—	—	✓	—	—	3VA9243-0JA12
	Steel wrap-around lug (Cu cable only) kit of 4 single lugs	1/0	500 kcmil	—	—	—	✓	—	3VA9473-0JA13
		AWG 14	AWG 10	✓	—	—	—	—	3VA9134-0JA11
		AWG 10	3/0	—	✓	—	—	—	3VA9234-0JA11
		AWG 10	3/0	—	—	✓	—	—	3VA9144-0JA12
		AWG 4	350 kcmil	—	✓	—	—	—	3VA9234-0JA12
	Steel wrap-around lug with control wire tap (Cu cable only) kit of 3 single lugs	AWG 4	350 kcmil	—	—	✓	—	—	3VA9244-0JA12
		AWG 10	3/0	—	—	—	✓	—	3VA9474-0JA13
		AWG 10	3/0	—	✓	—	—	—	3VA9233-0JH11
		AWG 4	350 kcmil	—	✓	—	—	—	3VA9233-0JH12
		AWG 10	3/0	—	—	✓	—	—	3VA9143-0JH12
	Steel wrap-around lug with control wire tap (Cu cable only) kit of 4 single lugs	AWG 4	350 kcmil	—	—	✓	—	—	3VA9243-0JH12
		1/0	500 kcmil	—	—	—	✓	—	3VA9473-0JH13
		AWG 10	3/0	—	✓	—	—	—	3VA9234-0JH11
		AWG 4	350 kcmil	—	✓	—	—	—	3VA9234-0JH12
		AWG 10	3/0	—	—	✓	—	—	3VA9144-0JH12
		AWG 4	350 kcmil	—	—	✓	—	—	3VA9244-0JH12
		1/0	500 kcmil	—	—	—	✓	—	3VA9474-0JH13

Aluminum Wire Connectors

	Aluminum body lug small (Cu/Al cable) kit of 3 single lugs	AWG 14	AWG 10	✓	—	—	—	—	3VA9133-0JB10
		AWG 14	AWG 10	✓	—	—	—	—	3VA9134-0JB10
	Aluminum body lug small with control wire tap (Cu/Al cable) kit of 4 single lugs	AWG 14	AWG 10	✓	—	—	—	—	3VA9133-0JG10
		AWG 14	AWG 10	✓	—	—	—	—	3VA9134-0JG10
	Aluminum body lug small with control wire tap (Cu/Al cable) kit of 3 single lugs	AWG 14	3/0	✓	—	—	—	—	3VA9133-0JB11
		AWG 14	1/0	—	✓	—	—	—	3VA9233-0JB11
		AWG 6	350 kcmil	—	✓	—	—	—	3VA9233-0JB12 ^②
		AWG 14	1/0	—	—	✓	—	—	3VA9143-0JB11 ^②
		AWG 6	350 kcmil	—	—	✓	—	—	3VA9243-0JB12
	Aluminum body lug (Cu/Al cable) kit of 4 single lugs	AWG 1	600 kcmil	—	—	—	✓	—	3VA9373-0JB13 ^①
		AWG 14	AWG 10	✓	—	—	—	—	3VA9134-0JB11
		AWG 14	1/0	—	✓	—	—	—	3VA9234-0JB11
		AWG 14	1/0	—	—	✓	—	—	3VA9144-0JB11 ^②
		AWG 6	350 kcmil	—	✓	—	—	—	3VA9234-0JB12
	Aluminum body lug with control wire tap (Cu/Al cable) kit of 3 single lugs	AWG 6	350 kcmil	—	—	✓	—	—	3VA9244-0JB12 ^②
		AWG 1	600 kcmil	—	—	—	✓	—	3VA9374-0JB13 ^①
		AWG 14	3/0	✓	—	—	—	—	3VA9133-0JG11
		AWG 14	1/0	—	✓	—	—	—	3VA9233-0JG11
		AWG 6	350 kcmil	—	✓	—	—	—	3VA9233-0JG12
	Aluminum body lug with control wire tap (Cu/Al cable) kit of 4 single lugs	AWG 14	1/0	—	—	✓	—	—	3VA9143-0JG11 ^②
		AWG 6	350 kcmil	—	—	✓	—	—	3VA9243-0JG12 ^②
		AWG 1	600 kcmil	—	—	—	✓	—	3VA9373-0JG13 ^①
		AWG 14	AWG 10	✓	—	—	—	—	3VA9134-0JG11
		AWG 14	1/0	—	✓	—	—	—	3VA9234-0JG11
		AWG 14	1/0	—	—	✓	—	—	3VA9144-0JG11 ^②
		AWG 6	350 kcmil	—	✓	—	—	—	3VA9234-0JG12
		AWG 1	600 kcmil	—	—	—	✓	—	3VA9244-0JG12 ^②
		AWG 14	600 kcmil	—	—	—	✓	—	3VA9374-0JG13 ^①
		4/0	600 kcmil	—	—	—	—	✓	3VA9573-0JB23
	Aluminum body lug two cables (Cu/Al cable) kit of 4 single lugs	4/0	600 kcmil	—	—	—	—	✓	3VA9574-0JB23
		4/0	600 kcmil	—	—	—	—	✓	3VA9574-0JB23

①This conductor is ampere-rated at 380A with copper wire and 310A with aluminum wire.

②Meets requirements of 100% rated breakers up to 150A.

Molded Case Circuit Breakers

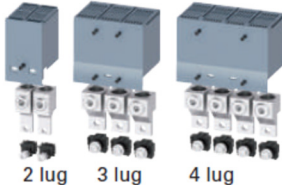
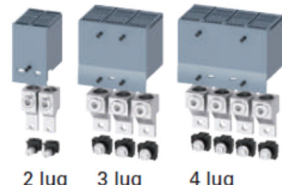
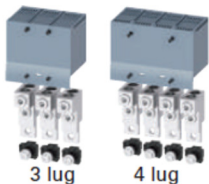
3VA Connection Technology

Selection

Aluminum Wire Connectors (cont.)

	Type	Minimum cable cross-section (standard) Class B	Maximum cable cross-section (standard) Class B	For molded case circuit breakers/ rated current					Part Number
				3VA5 125A	3VA5 250A	3VA6 150A 250A	3VA5 3VA6 400A 600A	3VA5 3VA6 800A 1000A	
 3 lug kit pictured	Aluminum body lug two cables with control wire tap (Cu/Al cable) kit of 3 single lugs	4/0	600 kcmil	—	—	—	—	✓	3VA9673-0JG23
	Aluminum body lug two cables with control wire tap (Cu/Al cable) kit of 4 single lugs	4/0	600 kcmil	—	—	—	—	✓	3VA9674-0JG23
	Aluminum body lug three cables (Cu/Al cable) kit of 3 single lugs	4/0	400 kcmil	—	—	—	—	✓	3VA9673-0JB32
	Aluminum body lug three cables (Cu/Al cable) kit of 4 single lugs	4/0	400 kcmil	—	—	—	—	✓	3VA9674-0JB32
 4 lug kit pictured	Aluminum body lug three cables with control wire tap (Cu/Al cable) kit of 3 single lugs	4/0	400 kcmil	—	—	—	—	✓	3VA9673-0JG32
	Aluminum body lug three cables with control wire tap (Cu/Al cable) kit of 4 single lugs	4/0	400 kcmil	—	—	—	—	✓	3VA9674-0JG32

Aluminum Wire Connectors and Terminal Covers

Type	Description	Min. cable cross-section (std.) Class B	Max. cable cross-section (std.) Class B	For molded case circuit breakers/ rated current					Part Number	Terminal Cover with Probe Holes Part Number
				3VA5 125A	3VA5 250A	3VA6 150A 250A	3VA5 3VA6 400A 600A	3VA5 3VA6 800A 1000A		
 2 lug 3 lug 4 lug	Kit of 2 single lugs and 1 extended terminal cover	AWG 4	300 kcmil	✓	—	—	—	—	3VA9132-0JJ12	
	Kit of 3 single lugs and 1 extended terminal cover	AWG 4	300 kcmil	✓	—	—	—	—	3VA9133-0JJ12	
		AWG 2	350 kcmil	—	✓	—	—	—	3VA9233-0JJ13	
		AWG 2	350 kcmil	—	—	✓	—	—	3VA9243-0JJ13 ^①	
	Kit of 4 single lugs and 1 extended terminal cover	AWG 4	300 kcmil	✓	—	—	—	—	3VA9134-0JJ12	
		AWG 2	350 kcmil	—	✓	—	—	—	3VA9234-0JJ13	
AWG 2		350 kcmil	—	—	✓	—	—	3VA9244-0JJ13 ^①		
 2 lug 3 lug 4 lug	Kit of 2 single lugs and 1 extended terminal cover	AWG 4	300 kcmil	✓	—	—	—	—	3VA9132-0JC12	
	Kit of 3 single lugs and 1 extended terminal cover	AWG 4	300 kcmil	✓	—	—	—	—	3VA9133-0JC12	3VA9133-0JC18
		AWG 2	350 kcmil	—	✓	—	—	—	3VA9233-0JC13	3VA9233-0JC18
		AWG 2	350 kcmil	—	—	✓	—	—	3VA9243-0JC13 ^①	3VA9243-0JC18
	Kit of 4 single lugs and 1 extended terminal cover	AWG 4	300 kcmil	✓	—	—	—	—	3VA9134-0JC12	
		AWG 4	350 kcmil	—	✓	—	—	—	3VA9234-0JC13	
AWG 2		350 kcmil	—	—	✓	—	—	3VA9244-0JC13 ^①		
 3 lug 4 lug	Kit of 3 single lugs and 1 extended terminal cover	AWG 4	300 kcmil	—	✓	—	—	—	3VA9233-0JJ22	
		AWG 4	300 kcmil	—	—	✓	—	—	3VA9243-0JJ22 ^①	
		2/0	600 kcmil	—	—	—	✓	—	3VA9473-0JJ23	
	Kit of 4 single lugs and 1 extended terminal cover	AWG 4	300 kcmil	—	—	✓	—	—	3VA9234-0JJ22	
		AWG 4	300 kcmil	—	✓	—	—	—	3VA9244-0JJ22 ^①	
		2/0	600 kcmil	—	—	—	✓	—	3VA9474-0JJ23	

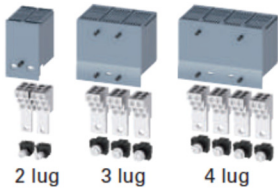
^① Meets requirements of 100% rated breakers up to 250A.

Molded Case Circuit Breakers

3VA Connection Technology

Selection

Aluminum Wire Connectors and Terminal Covers (cont.)

Type	Description	Min. cable cross-section (std.) Class B	Max. cable cross-section (std.) Class B	For molded case circuit breakers/ rated current					Part Number	Terminal Cover with Probe Holes Part Number
				3VA5 125A	3VA5 250A	3VA6 150A 250A	3VA6 400A 600A	3VA6 800A 1000A		
Aluminum body lug, 2 Cables with control wire tap (Cu/Al cable)  3 lug 4 lug	Kit of 3 single lugs and 1 extended terminal cover	AWG 4	300 kcmil	—	✓	—	—	—	3VA9233-0JC22	3VA9233-0JC28
		AWG 4	300 kcmil	—	—	✓	—	—	3VA9243-0JC22 ^①	3VA9243-0JC28
		2/0	600 kcmil	—	—	—	✓	—	3VA9473-0JC23	3VA9473-0JC28
	Kit of 4 single lugs and 1 extended terminal cover	AWG 4	300 kcmil	—	✓	—	—	—	3VA9234-0JC22	
		AWG 4	300 kcmil	—	—	✓	—	—	3VA9244-0JC22 ^①	
		2/0	600 kcmil	—	—	—	✓	—	3VA9474-0JC23	
Aluminum body lug two cables (Cu/Al cable) 3 lug kit pictured 	Kit of 3 single lugs and 1 extended terminal cover	400 kcmil	750 kcmil	—	—	—	—	✓	3VA9673-0JJ24	
	Kit of 4 single lugs and 1 extended terminal cover	400 kcmil	750 kcmil	—	—	—	—	✓	3VA9674-0JJ24	
Aluminum body lug two cables with control wire tap (Cu/Al cable) 3 kit lug pictured 	Kit of 3 single lugs and 1 extended terminal cover	400 kcmil	750 kcmil	—	—	—	—	✓	3VA9673-0JC24	
	Kit of 4 single lugs and 1 extended terminal cover	400 kcmil	750 kcmil	—	—	—	—	✓	3VA9674-0JC24	
Aluminum body lug three cables (Cu/Al cable)	Kit of 3 single lugs and 1 extended terminal cover	500 kcmil	750 kcmil	—	—	—	—	✓	3VA9673-0JJ34	
	Kit of 4 single lugs and 1 extended terminal cover	500 kcmil	750 kcmil	—	—	—	—	✓	3VA9674-0JJ34	
Aluminum body lug three cables with control wire tap (Cu/Al cable)	Kit of 3 single lugs and 1 extended terminal cover	500 kcmil	750 kcmil	—	—	—	—	✓	3VA9673-0JC34	
	Kit of 4 single lugs and 1 extended terminal cover	500 kcmil	750 kcmil	—	—	—	—	✓	3VA9674-0JC34	
Aluminum body lug four cables (Cu/Al cable) 4 lug kit pictured 	Kit of 3 single lugs and 1 extended terminal cover	4/0	500 kcmil	—	—	—	—	✓	3VA9673-0JJ43	
	Kit of 4 single lugs and 1 extended terminal cover	4/0	500 kcmil	—	—	—	—	✓	3VA9674-0JJ43	
Aluminum body lug four cables with control wire tap (Cu/Al cable) 4 lug kit pictured 	Kit of 3 single lugs and 1 extended terminal cover	4/0	500 kcmil	—	—	—	—	✓	3VA9673-0JC43	
	Kit of 4 single lugs and 1 extended terminal cover	4/0	500 kcmil	—	—	—	—	✓	3VA9674-0JC43	
Aluminum body lug four cables (Cu/Al cable)	Kit of 3 single lugs and 1 extended terminal cover	4/0	600 kcmil	—	—	—	—	✓	3VA9673-0JJ44	
	Kit of 4 single lugs and 1 extended terminal cover	4/0	600 kcmil	—	—	—	—	✓	3VA9674-0JJ44	
Aluminum body lug four cables with control wire tap (Cu/Al cable)	Kit of 3 single lugs and 1 extended terminal cover	4/0	600 kcmil	—	—	—	—	✓	3VA9673-0JC44	
	Kit of 4 single lugs and 1 extended terminal cover	4/0	600 kcmil	—	—	—	—	✓	3VA9674-0JC44	
Distribution lug, 6 Cables (Cu/Al cable)  2 lug 3 lug 4 lug	Kit of 2 single lugs and 1 extended terminal cover	AWG 14	AWG 2	✓	—	—	—	—	3VA9132-0JF60	
	Kit of 3 single lugs and 1 extended terminal cover	AWG 14	AWG 2	✓	—	—	—	—	3VA9133-0JF60	
			AWG 2	—	✓	—	—	—	3VA9233-0JF60	
			AWG 2	—	—	✓	—	—	3VA9243-0JF60 ^②	
			AWG 2	—	—	—	✓	—	3VA9373-0JF60 ^③	
	Kit of 4 single lugs and 1 extended terminal cover	AWG 14	AWG 2	✓	—	—	—	—	3VA9134-0JF60	
			AWG 2	—	✓	—	—	—	3VA9234-0JF60	
			AWG 2	—	—	✓	—	—	3VA9244-0JF60 ^②	
			AWG 2	—	—	—	✓	—	3VA9374-0JF60 ^③	

① Meets requirements of 100% rated breakers up to 250A.

② Meets requirements of 100% rated breakers up to 100A.

③ Meets requirements of 100% rated breakers up to 100A.

Molded Case Circuit Breakers

3VA Connection Technology

Selection

Copper Wire Connectors

	Type	Minimum cable cross-section (standard) Class B	Maximum cable cross-section (standard) Class B	For molded case circuit breakers/ rated current					Part Number
				3VA5 125A	3VA5 250A	3VA6 150A 250A	3VA5 3VA6 400A 600A	3VA5 3VA6 800A 1000A	
	Copper body lug, small (Cu cable only) Kit of 3 single lugs	AWG 14	AWG 10	✓	—	—	—	—	3VA9133-0JD10
	Copper body lug (Cu cable only) Kit of 3 single lugs	AWG 14	2/0	✓	—	—	—	—	3VA9133-0JD11
		AWG 14	1/0	—	✓	—	—	—	3VA9233-0JD11
		AWG 6	350 kcmil	—	✓	—	—	—	3VA9233-0JD12
		AWG 14	1/0	—	—	✓	—	—	3VA9143-0JD11
		AWG 6	350 kcmil	—	—	✓	—	—	3VA9243-0JD12
	Copper body lug (Cu cable only) Kit of 4 single lugs	AWG 1	600 kcmil	—	—	—	✓	—	3VA9373-0JD13
		AWG 14	AWG 10	✓	—	—	—	—	3VA9134-0JD10
		AWG 14	AWG 10	✓	—	—	—	—	3VA9134-0JD11
		AWG 14	1/0	—	✓	—	—	—	3VA9234-0JD11
		AWG 14	1/0	—	—	✓	—	—	3VA9144-0JD11
	Copper body lug, three cables (Cu cable) Kit of 3 single lugs	AWG 6	350 kcmil	—	✓	—	—	—	3VA9234-0JD12
		AWG 6	350 kcmil	—	—	✓	—	—	3VA9244-0JD12
		AWG 1	600 kcmil	—	—	—	✓	—	3VA9374-0JD13
		4/0	400 kcmil	—	—	—	—	✓	3VA9673-0JD32
		4/0	400 kcmil	—	—	—	—	✓	3VA9674-0JD32
	Copper body lug, small with control wire tap (Cu cable only) Kit of 3 single lugs	AWG 14	AWG 10	✓	—	—	—	—	3VA9133-0JK10
		AWG 14	2/0	✓	—	—	—	—	3VA9133-0JK11
		AWG 14	1/0	—	✓	—	—	—	3VA9233-0JK11
		AWG 6	350 kcmil	—	✓	—	—	—	3VA9233-0JK12
		AWG 14	1/0	—	—	✓	—	—	3VA9143-0JK11
	Copper body lug with control wire tap (Cu cable only) Kit of 3 single lugs	AWG 6	350 kcmil	—	—	✓	—	—	3VA9243-0JK12
		AWG 1	600 kcmil	—	—	—	✓	—	3VA9373-0JK13
		AWG 14	AWG 10	✓	—	—	—	—	3VA9134-0JK10
		AWG 14	2/0	✓	—	—	—	—	3VA9134-0JK11
		AWG 14	1/0	—	✓	—	—	—	3VA9234-0JK11
	Copper body lug, small with control wire tap (Cu cable only) Kit of 4 single lugs	AWG 6	350 kcmil	—	—	✓	—	—	3VA9234-0JK12
		AWG 6	350 kcmil	—	—	✓	—	—	3VA9244-0JK12
		AWG 1	600 kcmil	—	—	—	✓	—	3VA9374-0JK13
		400 kcmil	600 kcmil	—	—	—	—	✓	3VA9673-0JK32
		400 kcmil	600 kcmil	—	—	—	—	✓	3VA9674-0JK32
	Copper body lug with control wire tap (Cu cable only) Kit of 4 single lugs	AWG 14	AWG 10	✓	—	—	—	—	3VA9134-0JK11
		AWG 14	1/0	—	✓	—	—	—	3VA9234-0JK11
		AWG 14	1/0	—	—	✓	—	—	3VA9144-0JK11
		AWG 6	350 kcmil	—	✓	—	—	—	3VA9234-0JK12
		AWG 6	350 kcmil	—	—	✓	—	—	3VA9244-0JK12
	Copper body lug with control wire tap (Cu cable only) Kit of 4 single lugs	AWG 1	600 kcmil	—	—	—	✓	—	3VA9374-0JK13
		400 kcmil	600 kcmil	—	—	—	—	✓	3VA9673-0JK32
		400 kcmil	600 kcmil	—	—	—	—	✓	3VA9674-0JK32
		400 kcmil	600 kcmil	—	—	—	—	✓	3VA9674-0JK32
		400 kcmil	600 kcmil	—	—	—	—	✓	3VA9674-0JK32
	Aluminum body lug, three cables with control wire tap (Cu cable) Kit of 4 single lugs	400 kcmil	600 kcmil	—	—	—	—	✓	3VA9674-0JK32
		400 kcmil	600 kcmil	—	—	—	—	✓	3VA9674-0JK32
		400 kcmil	600 kcmil	—	—	—	—	✓	3VA9674-0JK32
		400 kcmil	600 kcmil	—	—	—	—	✓	3VA9674-0JK32
		400 kcmil	600 kcmil	—	—	—	—	✓	3VA9674-0JK32

Molded Case Circuit Breakers

3VA Connection Technology

Selection

Copper Wire Connectors (cont.)

	Type	Minimum cable cross-section (standard) Class B	Maximum cable cross-section (standard) Class B	For molded case circuit breakers/ rated current					Part Number
				3VA5 125A	3VA5 250A	3VA6 150A 250A	3VA5 3VA6 400A 600A	3VA5 3VA6 800A 1000A	
	Copper body lug, 2 Cables (Cu cable only) Kit of 3 single lugs and 1 extended terminal cover	2/0	600 kcmil	—	—	—	✓	—	3VA9473-0JE23
	Copper body lug 2 Cables (Cu cable only) Kit of 4 single lugs and 1 extended terminal cover	2/0	600 kcmil	—	—	—	✓	—	3VA9474-0JE23
	Copper body lug, four cables (Cu cable) Kit of 3 single lugs and 1 extended terminal cover	4/0	500 kcmil	—	—	—	—	✓	3VA9673-0JE43
	Copper body lug, four cables (Cu cable) Kit of 4 single lugs and 1 extended terminal cover	4/0	500 kcmil	—	—	—	—	✓	3VA9674-0JE43
	Copper body lug, four cables (Cu cable) Kit of 3 single lugs and 1 extended terminal cover	4/0	500 kcmil	—	—	—	—	✓	3VA9673-0JL43
	Copper body lug, four cables (Cu cable) Kit of 4 single lugs and 1 extended terminal cover	4/0	500 kcmil	—	—	—	—	✓	3VA9674-0JL43

Nut Keeper Kits

	Type	Maximum terminal width	Maximum terminal thickness	For molded case circuit breakers/ rated current					Part Number
				3VA5 125A	3VA5 250A	3VA6 150A 250A	3VA5 3VA6 400A 600A	3VA5 3VA6 800A 1000A	
	Nut keeper kit kit of 3 single lugs	17 mm / 0.7 inch	6.5 mm / 0.25 inch	✓	—	—	—	—	3VA9133-0QA00
		25 mm / 1 inch	8 mm / 0.3 inch	—	✓	—	—	—	3VA9233-0QA00
		25 mm / 1 inch	8 mm / 0.3 inch	—	—	✓	—	—	3VA9243-0QA00
		35 mm / 1.4 inch	10 mm / 0.4 inch	—	—	—	✓	—	3VA9473-0QA00
	Nut keeper kit kit of 4 single lugs	17 mm / 0.7 inch	6.5 mm / 0.25 inch	✓	—	—	—	—	3VA9134-0QA00
		25 mm / 1 inch	8 mm / 0.3 inch	—	✓	—	—	—	3VA9234-0QA00
		25 mm / 1 inch	8 mm / 0.3 inch	—	—	✓	—	—	3VA9244-0QA00
		35 mm / 1.4 inch	10 mm / 0.4 inch	—	—	—	✓	—	3VA9474-0QA00
 4 lug kit pictured	Nut keeper kit kit of 3 single lug and terminal covers	50 mm / 2.0 inch	30 mm / 1.18 inch	—	—	—	—	✓	3VA9673-0QA00
	Nut keeper kit kit of 4 single lug and terminal covers	50 mm / 2.0 inch	30 mm / 1.18 inch	—	—	—	—	✓	3VA9674-0QA00

Molded Case Circuit Breakers

3VA Connection Technology

Selection

Bus Connector Extensions

	Type	Maximum terminal width	Maximum terminal thickness	For molded case circuit breakers/ rated current					Part Number
				3VA5 125A	3VA5 250A	3VA6 150A 250A	3VA5 3VA6 400A 600A	3VA5 3VA6 800A 1000A	
	Front bus connectors extended 1 single connector	22 mm / 0.9 inch	8 mm / 0.3 inch	✓	—	—	—	—	3VA9131-QQB00
	Front bus connectors extended kit of 3 single connectors, 2 phase barriers, and 1 insulating plate	22 mm / 0.9 inch	8 mm / 0.3 inch	✓	—	—	—	—	3VA9133-QQB00
	Front bus connectors extended kit of 4 single connectors, 3 phase barriers, and 1 insulating plate	22 mm / 0.9 inch	8 mm / 0.3 inch	✓	—	—	—	—	3VA9133-QQB00
	Front bus connectors extended kit of 3 single connectors and 1 insulating plate	32 mm / 1.3 inch	10 mm / 0.4 inch	—	✓	✓	—	—	3VA9273-QQB00
		40 mm / 1.6 inch	12.5 mm / 0.5 inch	—	—	—	✓	—	3VA9473-QQB00
		50.8 mm / 2.0 inch	30 mm / 1.18 inch	—	—	—	—	✓	3VA9673-QQB00
	Front bus connectors extended kit of 4 single connectors and 1 insulating plate	32 mm / 1.3 inch	10 mm / 0.4 inch	—	—	✓	—	—	3VA9274-QQB00
		40 mm / 1.6 inch	12.5 mm / 0.5 inch	—	—	—	✓	—	3VA9474-QQB00
		50.8 mm / 2.0 inch	30 mm / 1.18 inch	—	—	—	—	✓	3VA9674-QQB00
	Front bus connectors offset kit of 3 single connectors 1 insulating plate Distance between pole centers: 400/600 A = 70 mm / 2.76 inches	60 mm / 2.4 inch	12.5 mm / 0.5 inch	—	—	—	✓	—	3VA9473-QQC00
		80 mm / 3.15 inch	30 mm / 1.18 inch	—	—	—	—	✓	3VA9673-QQC00
	Front bus connectors offset kit of 4 single connectors 1 insulating plate Distance between pole centers: 400/600 A = 70 mm / 2.76 inches	60 mm / 2.4 inch	12.5 mm / 0.5 inch	—	—	—	✓	—	3VA9474-QQC00
		80 mm / 3.15 inch	30 mm / 1.18 inch	—	—	—	—	✓	3VA9674-QQC00

Molded Case Circuit Breakers

3VA Connection Technology

Selection

Rear connection studs flat

	Type	For molded case circuit breakers/ rated current					Part Number
		3VA5 125A	3VA5 250A	3VA6 150A 250A	3VA5 3VA6 400A 600A	3VA5 3VA6 800A 1000A	
	Rear connection studs flat kit of 2 short flat studs and 1 long flat stud	✓	—	—	—	—	3VA9133-0QE00
		—	✓	—	—	—	3VA9233-0QE00
		—	—	✓	—	—	3VA9243-0QE00
		—	—	—	✓	—	3VA9473-0QE00
		—	—	—	—	✓	3VA9673-0QE00
	Rear connection studs flat kit of 2 short flat studs and 2 long flat studs	✓	—	—	—	—	3VA9134-0QE00
		—	✓	—	—	—	3VA9234-0QE00
		—	—	✓	—	—	3VA9244-0QE00
		—	—	—	✓	—	3VA9474-0QE00
		—	—	—	—	✓	3VA9674-0QE00
	Rear connection studs flat 1 short flat stud	✓	—	—	—	—	3VA9131-0QE10
		—	✓	—	—	—	3VA9231-0QE10
		—	—	✓	—	—	3VA9241-0QE10
		—	—	—	✓	—	3VA9471-0QE10
	Rear connection studs flat 1 long flat stud	✓	—	—	—	—	3VA9131-0QE20
		—	✓	—	—	—	3VA9231-0QE20
		—	—	✓	—	—	3VA9241-0QE20
		—	—	—	✓	—	3VA9471-0QE20

Rear connection studs round

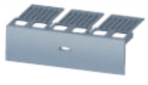
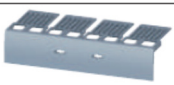
	Rear connection studs round kit of 1 long round stud and 2 short round studs	✓	—	—	—	—	3VA9133-0QF00
		—	✓	—	—	—	3VA9233-0QF00
		—	—	✓	—	—	3VA9243-0QF00
		—	—	—	✓	—	3VA9473-0QF00
	Rear connection studs round kit of 2 long round studs and 2 short round studs	✓	—	—	—	—	3VA9134-0QF00
		—	✓	—	—	—	3VA9234-0QF00
		—	—	✓	—	—	3VA9244-0QF00
		—	—	—	✓	—	3VA9474-0QF00
	Rear connection studs round 1 short round studs	✓	—	—	—	—	3VA9131-0QF10
		—	✓	—	—	—	3VA9231-0QF10
		—	—	✓	—	—	3VA9241-0QF10
		—	—	—	✓	—	3VA9471-0QF10
	Rear connection studs round 1 long round stud	✓	—	—	—	—	3VA9131-0QF20
		—	✓	—	—	—	3VA9231-0QF20
		—	—	✓	—	—	3VA9241-0QF20
		—	—	—	✓	—	3VA9471-0QF20

Molded Case Circuit Breakers

3VA Connection Technology

Selection

Phase barriers, terminal covers, and insulating plates

	Type	For molded case circuit breakers/ rated current					Part Number	Terminal Cover with Probe Holes Part Number
		3VA5 125A	3VA5 250A	3VA6 150A 250A	3VA6 400A 600A	3VA6 800A 1000A		
	Phase barriers kit of 2 phase barriers	✓	—	—	—	—	3VA9132-0WA00	
		—	✓	✓	—	—	3VA9272-0WA00	
		—	—	—	✓	—	3VA9472-0WA00	
		—	—	—	—	✓	3VA9672-0WA00	
	Terminal cover for 1-pole breakers	✓	—	—	—	—	3VA9131-0WD10	
	Terminal cover for 2-pole breakers	✓	—	—	—	—	3VA9131-0WD20	
	Terminal cover for 3-pole breakers	✓	—	—	—	—	3VA9131-0WD30	
		—	✓	✓	—	—	3VA9271-0WD30	
		—	—	—	✓	—	3VA9471-0WD30	
		—	—	—	—	✓	3VA9671-0WD30	
	Terminal cover for 4-pole breakers	✓	—	—	—	—	3VA9131-0WD40	
		—	—	✓	—	—	3VA9271-0WD40	
		—	—	—	✓	—	3VA9471-0WD40	
		—	—	—	—	✓	3VA9671-0WD40	
	Terminal cover intermediate for 3-pole breakers	—	—	—	—	✓	3VA9671-0WE30	
	Terminal cover intermediate for 4-pole breakers	—	—	—	—	✓	3VA9671-0WE40	
	Terminal cover extended for 2-pole breakers	✓	—	—	—	—	3VA9131-0WF20	
	Terminal cover extended for 3-pole breakers	✓	—	—	—	—	3VA9131-0WF30	
		—	✓	✓	—	—	3VA9271-0WF30	
		—	—	—	✓	—	3VA9471-0WF30	
		—	—	—	—	✓	3VA9671-0WF30	
	Terminal cover extended for 4-pole breakers	✓	—	—	—	—	3VA9131-0WF40	
		—	✓	✓	—	—	3VA9271-0WF40	
		—	—	—	✓	—	3VA9471-0WF40	
		—	—	—	—	✓	3VA9671-0WF40	
	Terminal cover offset for 3-pole breakers	—	—	—	✓	—	3VA9471-0WG30	
	Terminal cover offset for 4-pole breakers	—	—	—	✓	—	3VA9471-0WG40	

Molded Case Circuit Breakers

3VA Connection Technology

Selection

Phase barriers, terminal covers, and insulating plates

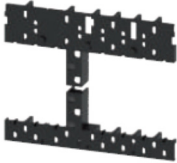
	Type	For molded case circuit breakers / rated current				Part Number
		3VA5 125A	3VA5 250A	3VA6 150A 250A	3VA5 3VA6 400A 600A	
	Rear insulating plate extended for 2-pole breakers	✓	—	—	—	3VA9131-0WJ20
	Rear insulating plate extended for 3-pole breakers	✓	—	—	—	3VA9131-0WJ30
		—	✓	✓	—	3VA9271-0WJ30
		—	—	—	✓	3VA9471-0WJ30
	Rear insulating plate extended for 4-pole breakers	✓	—	—	—	3VA9131-0WJ40
		—	—	✓	—	3VA9271-0WJ40
		—	—	—	✓	3VA9471-0WJ40
	Rear insulating plate offset for 3-pole breakers	—	—	—	✓	3VA9471-0WK30
	Rear insulating plate offset for 4-pole breakers	—	—	—	✓	3VA9471-0WK40
	Control wire tap for busbar (for fixed mounting)	—	✓	✓	—	3VA9270-0WC00
		—	—	—	✓	3VA9470-0WC00

Molded Case Circuit Breakers

3VA Plug-in and Draw-out Technology

Selection

Accessories

	Type	For molded case circuit breakers / rated current		Part Number
		3VA61/62 150A/250A	3VA63/64 400A/600A	
	Cable cage for plug-in/draw-out unit 3-/4-pole (spare part) Cable duct for routing of the required cables from the internal acc. on the back of the breaker.	✓	—	3VA9167-0KB02
		—	✓	3VA9367-0KB02
	Door feedthrough	✓	—	3VA9147-0KT00
		—	✓	3VA9347-0KT00
	Autotrip plunger Plug-in unit	✓	—	3VA9267-0KP81
		—	✓	3VA9457-0KP81
	Autotrip plunger Draw-out unit	✓	—	3VA9267-0KD81
		—	✓	3VA9457-0KD81
	Terminal cover for plug-in/draw-out unit, 3-pole (spare part) To provide circuit breaker touch protection, for mounting on the molded case circuit breaker	✓	—	3VA9143-0KB01
		—	✓	3VA9343-0KB01
	Terminal cover for plug-in/draw-out unit, 4-pole (spare part) To provide circuit breaker touch protection, for mounting on the molded case circuit breaker	✓	—	3VA9144-0KB01
		—	✓	3VA9344-0KB01
	Crank handle for draw-out unit Insulated, including crank holder			3VA9987-0KD81

Molded Case Circuit Breakers

3VA Plug-in and Draw-out Technology

Selection

Other Accessories

	Type	Part Number
	Communication link for draw-out unit Consists of: Cable kit with 3 special position signaling switches, connecting cable 3VA9987-0KC10	3VA9977-0KC00
	Position signaling switches For draw-out unit	3VA9977-0KB00
	Spare connecting cable To connect the position signaling switches for communication with the COM060	3VA9987-0KC10
	Auxiliary circuit connector ■ For draw-out units	3VA9977-0KD80
	Auxiliary circuit connector ■ For plug-in units	3VA9977-0KP80
	Cylinder lock (type Ronis) ■ Includes a lock with 2 keys ■ For locking ■ For installation in all rotary operators with shaft stub ■ For mounting in the adapter kit for the accessories component	3VA9980-0VL10
		3VA9980-0VL30
		3VA9980-0VL40
	Cylinder lock adapter for draw-out unit ■ For fitting a cylinder lock in the right-hand side wall of the draw-out unit ■ To prevent unauthorized withdrawal or insertion of the circuit breaker; ■ Circuit breaker can be locked in the CONNECT, TEST, or DISCONNECT position	3VA9970-0LF40



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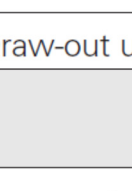
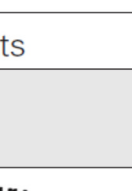
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Molded Case Circuit Breakers

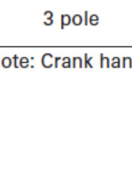
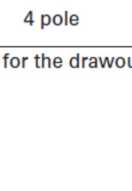
3VA Plug-in and Draw-out Technology

Selection

Plug-in socket

	Type	For molded case circuit breakers / rated current			Part Number
		3VA61/62 150A/250A	3VA63 400A	3VA64 600A	
  3 pole 4 pole	Plug-in unit, 3-pole, complete kit Consists of: Plug-in socket, Plug-in unit, conversion kit, Mounting screw kit	✓	—	—	3VA9143-0KP00
		—	✓	—	3VA9343-0KP00
		—	—	✓	3VA9443-0KP00
  3 pole 4 pole	Plug-in unit, 4-pole, complete kit Consists of: Plug-in socket, Plug-in unit, conversion kit, Mounting screw kit	✓	—	—	3VA9144-0KP00
		—	✓	—	3VA9344-0KP00
		—	—	✓	3VA9444-0KP00
  3 pole 4 pole	Plug-in unit, 3-pole, conversion kit Consists of: Screw-fastened terminal covers for molded case circuit breakers, Plug-in contacts, Cable cage, Autotrip plunger	✓	—	—	3VA9143-0KP10
		—	✓	✓	3VA9343-0KP10
		—	—	—	—
  3 pole 4 pole	Plug-in unit, 4-pole, conversion kit Consists of: Screw-fastened terminal covers for molded case circuit breakers, Plug-in contacts, Cable cage, Autotrip plunger	✓	—	—	3VA9144-0KP10
		—	✓	✓	3VA9344-0KP10
		—	—	—	—

Draw-out units

	Type	For molded case circuit breakers / rated current			Part Number
		3VA61/62 150A/250A	3VA63 400A	3VA64 600A	
	Draw-out unit, 3-pole, complete kit Consists of: Draw-out socket, Draw-out unit, conversion kit, Mounting screw kit	✓	—	—	3VA9143-0KD00
		—	✓	—	3VA9343-0KD00
		—	—	✓	3VA9443-0KD00
	Draw-out unit, 4-pole, complete kit Consists of: Draw-out socket, Draw-out unit, conversion kit, Mounting screw kit	✓	—	—	3VA9144-0KD00
		—	✓	—	3VA9344-0KD00
		—	—	✓	3VA9444-0KD00
  3 pole 4 pole	Draw-out unit, 3-pole, conversion kit Consists of: Screw-fastened terminal covers, Side wall, Plug-in contacts, Cable cage, Autotrip plunger	✓	—	—	3VA9143-0KD10
		—	✓	✓	3VA9343-0KD10
		—	—	—	—
  3 pole 4 pole	Draw-out unit, 4-pole, conversion kit Consists of: Screw-fastened terminal covers, Side wall, Plug-in contacts, Cable cage, Autotrip plunger	✓	—	—	3VA9144-0KD10
		—	✓	✓	3VA9344-0KD10
		—	—	—	—

Note: Crank handle for the drawout unit must be ordered separately.

