System overview

For a complete and verified configuration of your molded case circuit breaker, please use our online configurator at www.siemens.com/lowvoltage/configurator-3VA

Basic units







3VA2 for selective applications

Trip unit



Thermal-magnetic trip unit (TMTU)



Electronic trip unit (ETU)



Electronic trip unit (ETU) with display, and optionally with metering function

Trip unit accessories





tion module



server

Breaker data



display



Test device

Installation type



Fixed-mounted



ddd Draw-out unit, complete kit



Plug-in unit, complete kit

Supplementary accessories



Auxiliary circuit connector



feedthrough



signaling



Cylinder lock adapter



Main conductor connection



Front bus connectors extended



Front bus connectors offset



Circular conductor Box terminal terminal



terminals

Connection accessories



Insulation accessories

Auxiliary releases/auxiliary switches



releases















release

release

signaling switch switch LCS

Leading changeover

Electrical alarm switches EAS

Short circuit alarm switch

Mountable accessories







Manual operator

Motorized operating mechanism

Residual current device

Additional circuit breaker accessories









Cover frame

Adapter for DIN rails

Mechanical interlocks











Locking device

Sliding bar interlock

Interlocking with rod

Handle interlock using a Bowden cable

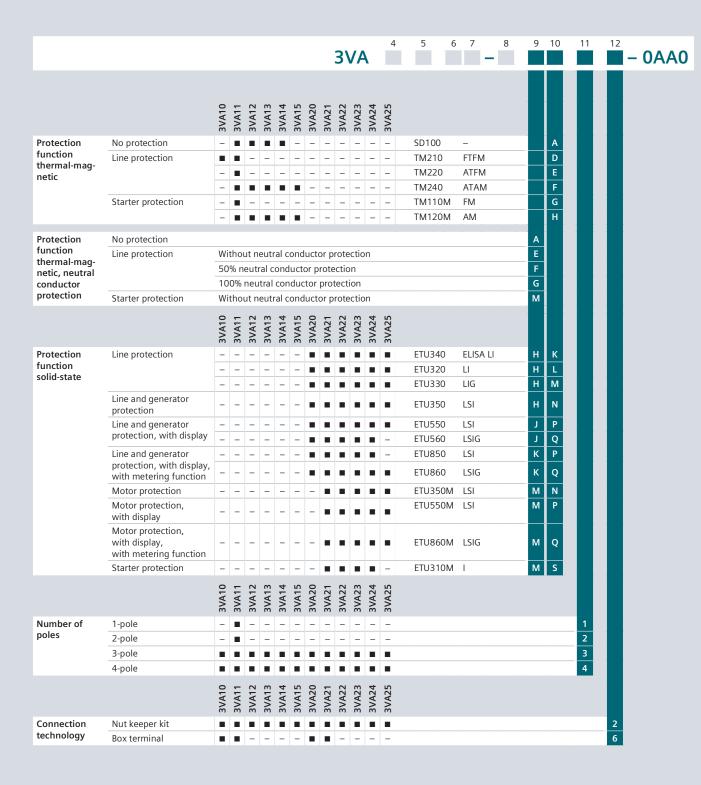
Cylinder lock

Structure of the article numbers

Basic configuration

For a complete and verified configuration of your molded case circuit breaker, please use our online configurator at www.siemens.com/lowvoltage/configurator-3VA

										3	V	A	4	5	6		7	_	8	9) 10)	11	12	_	0A	A(
																1												
																ı												
Trip units	Thermal-magnetic												1			Ţ												
	Electronic												2			I												
c:	100.4															ł												
Size	100 A													1		ł												
	160 A															ł												
	250 A													3		ł												
	400 A															ł												
	630 A													4 5		ł												
	1000 A													5		ł												
		3VA10	3VA11	3VA12	3VA13	3VA14	3VA15	3VA20	3VA21	3VA22	3VA23	3VA24	3VA25			ı												
Current setting of	8 A	_	,	_	_	_	_	_	_	_	_	_	_		0	Н	Ω											
the inverse-time	12.5 A	-	_	_	_	_		_	_	-		-			9		8 2											
delayed overload	16 A	-			_	_	_	_	_	_	_	-	-		9		6											
protection	20 A	Е	-	_	_	H	H	_	_	H		-			2		0											
	25 A		-	_	Ξ	Е	Е				Ξ	-	-		2		-											
	32 A		-	_	_	_	-	-	-	-	Ξ	-	-		3	+	5 2											
	40 A		-	-	Ξ	_	E				Ξ	-	_		4		0											
	50 A	Е	-	_	_	H	H	-	-	-		-			5		0											
	63 A		-	_	_	_	Ē			-	-	H			6		3											
	80 A		-	_	_	_	_	-	-	_	_	-	-		8	+	0											
		-	-	_	_		_	_	_	_					1													
	100 A 125 A	-	-	_	_	-	_	-	-	_	_	-	_		1		-											
		H	-	Ξ	_	_	-	_	_	Ξ	_	-			1		0 2 6											
	160 A 200 A	-	-	-	_	_	_	_	-	-	_	-	-		2		0											
	250 A	-	_	-	_	_	_	_	_	-	-	-	-		2	+												
	320 A	-	-	-	-	_				-	-				3	+	5 2											
	400 A	-	_	_	-	_	_	_	_	_	-	-	-		4		0											
	500 A	-	Ξ	_	-	-	_	_	_	_	-	-	_		5		0											
	630 A	=	-	_	_	-	_	_	_	_	-				6		3											
	800 A	-	_	_	_	-	-	-	_	_	Ξ	-			8		0											
	1000 A	-	_	_	_	_	ī	_	_	_		-	H		1		0											
	1000 A															ď												
		3VA10	3VA11	3VA12	3VA13	3VA14	3VA15	3VA20	3VA21	3VA22	3VA23	3VA24	3VA25															
$I_{cu} = I_{cs}$ at	Without overload protection, without short-circuit protection	-	•	•	•	•	-	-	-	-	-	_	_						1									
380 415 V	16 kA		-	-	-	-	-	_	-	_	-	_	-						2									
	25 kA			-	-	-	-	-	-	-	-	_	_						2 3 4 5 6									
	36 kA						-	_	-	_	-	_	-						4									
	55 kA	-																	5									
	70 kA	-		•				_	-	-	-	-	-						6									
	85 kA	-	-	-	-	-	-			-									6									
	110 kA	-	-	-	•	•	•		•		•								6 7 8									
	150 kA			_			_	_		_	_								0									



System overview, page 2/20 Siemens LV 10 · 10/2019 2/23

Internal accessories

Auxiliary switches and alarm switches

Configure your molded case circuit breaker easily online at www.siemens.com/lowvoltage/configurator-3VA

										3VA21
										3VA22
								3VA12		3VA23
								3VA13		3VA24
						3VA10	3VA11	3VA14	3VA15	3VA25
Auxiliary	/ switches	AUX								
	the • The	molded ca contacts of	ise circu of the au	sition of the mai uit breaker uxiliary switch au lose in unison						
And the second	Type	Width	I _a	U AC/DC	Version					
	HQ	7 mm	6 A	240 V/250 V	Standard			3VA9988-0AA12		
		(1 slot)	<1 A	24 V / 24 V	Electronic- compatible			3VA9988-0AA13		
N/	HP	14 mm (2 slots)	10 A	600 V/250 V	Standard			3VA9988-0AA11		
Leading	changeov									
	 Sigr 	nal the ope	ening of	ng, for example the main contain nce of circuit bro						
	Туре	Width	l _e	U _e AC/DC	Version					
-	HQ	7 mm	6 A	240 V/250 V	Standard	-		3VA998	8-0AA22	
		(1 slot)		24 V/24 V	Electronic- compatible	-		3VA998	8-0AA23	
N/	HP	14 mm (2 slots)	10 A	600 V/250 V	Standard	-		3VA998	8-0AA21	
Trip alar	m switche	s TAS								
	• Are	actuated v	whenev	eaker tripping o er the molded ca ne TRIP position						
<u>Pa</u>	Type	Width	l _e	U _e AC/DC	Version					
	HQ	7 mm	6 A	240 V/250 V	Standard			3VA9988-0AB12		
		(1 slot)		24 V/24 V	Electronic- compatible			3VA9988-0AB13		
	HP	14 mm (2 slots)	10 A	600 V/250 V	Standard			3VA9988-0AB11		
Short cir	cuit alarm									
	initi • The ack	iated by a s tripping o nowledger	short cir peration ment of	tions only if they rcuit n must be reset the fault before an be switched t	by deliberate the molded					
	Type	Width	l _e	U _e AC/DC	Version					
	HQ	7 mm (1 slot)	6 A <1 A	240 V/250 V 24 V/24 V	Standard Electronic- compatible		3VA9988-0AB32 3VA9988-0AB33			-
Electrica	l alarm sw	itches EA	S							
	Are mol	actuated a	as soon circuit bi	as the main con reaker open in th by the ETU						
	Туре	Width	l _e	U _e AC/DC	Version					
	HQ	7 mm	6 A	240 V/250 V	Standard	-	-	-	-	3VA9988-0AB22
		(1 slot)	<1 A	24 V/24 V	Electronic- compatible	-	-	-	-	3VA9988-0AB23

Auxiliary releases

Configure your molded case circuit breaker easily online at

www.siemens.com/lowvoltage/configurator-3VA	

3VA10	
3VA11	3VA20
3VA12	3VA21
3VA13	3VA22
3VA14	3VA23
3VA15	3VA24

3VA25

Shunt trips left STL

- Used for remote-controlled tripping of the molded case circuit breaker
- Have particularly low power consumption
- Especially suitable for electrical interlocking in the El variant



Version	U _e 50/60 Hz AC	U _e DC	
Standard	-	12 V	3VA9988-0BL10
	24 V	24 30 V	3VA9988-0BL30
	48 60 V	48 60 V	3VA9988-0BL31
	110 127 V	110 127 V	3VA9988-0BL32
	208 277 V	220 250 V	3VA9988-0BL33
	380 600 V	-	3VA9988-0BL20
Electrical (EI)	_	24 V	3\/AQQ88_ORM1O

Shunt trips flexible STF

- Used for remote-controlled tripping of the molded case circuit breaker
- Flexible installation



Tremble mistanat					
Version	U _e 50/60 Hz AC	U _e DC			
	24 V	-	-	3VA9988-0BA20	-
	48 60 V	-	-	3VA9988-0BA21	-
	110 127 V	-	-	3VA9988-0BA22	-
	208 277 V	-	-	3VA9988-0BA23	-
	380 500 V	-	-	3VA9988-0BA24	-
	600 V	_	_	3\/A9988-0BA25	_

Universal releases UNI



Undervoltage releases UVR

 Trips the molded case circuit breaker in the event that the rated voltage of a monitored circuit drops below a minimum permissible limit or fails altogether

U_e 50/60 Hz AC U_e DC



-	12 V	3VA9908-0BB10
-	24 V	3VA9908-0BB11
24 V	-	3VA9908-0BB20
-	48 V	3VA9908-0BB12
48 V	-	3VA9908-0BB21
-	60 V	3VA9908-0BB13
60 V	-	3VA9908-0BB22
110 V	-	3VA9908-0BB23
120 127 V	-	3VA9908-0BB24
-	125 127 V	3VA9908-0BB14
208 230 V	-	3VA9908-0BB25
-	220 230 V	3VA9908-0BB15
-	250 V	3VA9908-0BB16
380 400 V	-	3VA9908-0BB26
440 480 V	-	3VA9908-0BB27

Time-dela	y devices
-	
00000	
order !	

2	s for undervoltage	e releases		
	Version	U _e 50/60 Hz AC	U _e DC	
		110 V	110 V	3VA9988-0BF21
		230 V	230 V	3VA9988-0BF22
		_	24 V	3VA9988-0BF23

Manual operators

Configure your molded case circuit breaker easily online at www.siemens.com/lowvoltage/configurator-3VA

							3VA13	
						3VA20	3VA14	
				3VA10		3VA21	3VA23	3VA15
				3VA11	3VA12	3VA22	3VA24	3VA25
Front mount	ed rotary operator	rs						
	Handle							
	For IECDegree of protect	ction ID20						
	 For 3-pole and 4 							
	Version	Illumination kit	Door interlock					
	Standard (gray)	Without	Without	3VA9157-0EK11	3VA9257-0EK11	3VA9267-0EK11	3VA9467-0EK11	3VA9687-0EK11
	Starradia (gray)	· · · · · · · · · · · · · · · · · · ·	With	3VA9157-0EK21	3VA9257-0EK21	3VA9267-0EK21	3VA9467-0EK21	3VA9687-0EK21
		With	Without	3VA9157-0EK13	3VA9257-0EK13	3VA9267-0EK13	3VA9467-0EK13	_
			With	3VA9157-0EK23	3VA9257-0EK23	3VA9267-0EK23	3VA9467-0EK23	_
	EMERGENCY-	Without	Without	3VA9157-0EK15	3VA9257-0EK15	3VA9267-0EK15	3VA9467-0EK15	3VA9687-0EK15
	STOP (red/yellow)		With	3VA9157-0EK25	3VA9257-0EK25	3VA9267-0EK25	3VA9467-0EK25	3VA9687-0EK25
		With	Without	3VA9157-0EK17	3VA9257-0EK17	3VA9267-0EK17	3VA9467-0EK17	_
			With	3VA9157-0EK27	3VA9257-0EK27	3VA9267-0EK27	3VA9467-0EK27	-
Door mounte	ed rotary operator	s with toleran	ce compensati	ion				
	• Shaft 300 mm (3	325 mm for 3VA	15/3VA25)					
	With mounting to the second seco	•						
	 Handle with mass (100 × 100 mm) 							
	Degree of protein		23)					
	For 3-pole and 4	-pole breakers						
	Version	Illumination kit	Door interlock					
6.	Standard (gray)	Without	With	3VA9157-0FK21	3VA9257-0FK21	3VA9267-0FK21	3VA9467-0FK21	3VA9687-0FK21
		With	With	3VA9157-0FK23	3VA9257-0FK23	3VA9267-0FK23	3VA9467-0FK23	3VA9467-0FK23
S								
	EMERGENCY-	Without	With	3VA9157-0FK25	3VA9257-0FK25	3VA9267-0FK25	3VA9467-0FK25	3VA9687-0FK25
	STOP (red/yellow)	With	With	3VA9157-0FK27	3VA9257-0FK27	3VA9267-0FK27	3VA9467-0FK27	3VA9467-0FK27
9	J. G. (rearyenerry	VVICII	VVICII	3VA9137-0FK27	3VA9237-01K27	3VA9207-01K27	3 VA 9407 - OF R27	3VA9407-0FK27
Door mounte	ed rotary operator			sation new				
	Shaft 300 mm (3)							
	 Handle with mag (100 × 100 mm) 							
	Degree of protein		,					
	For 3-pole and 4							
	Version	Illumination kit	Door interlock					
	Standard (gray)	Without	With	3VA9157-0FK61	3VA9257-0FK61	3VA9267-0FK61	3VA9467-0FK61	3VA9687-0FK61
Door mounte	ed rotary operator	s without han	dle					
	For IECDegree of protectFor 3-pole and 4							
(4)	Version	Illumination	Door					
	VEISIOII	kit	interlock					
	With shaft stub	_	Without	3VA9157-0GK00	3VA9257-0GK00	3VA9267-0GK00	3VA9467-0GK00	3VA9687-0GK00
	(gray)							

							3VA13	
						3VA20	3VA14	
				3VA10		3VA21	3VA23	3VA15
				3VA11	3VA12	3VA22	3VA24	3VA25
Side wall mo	unted rotary oper	rators						
4	 Rotary operator Handle with ma Degree of prote For 3-pole and 4 	sking plate 75 × ction IP65						
	Version	Mounting bracket	Illumination kit					
	Standard (gray)	Without	Without	3VA9157-0PK11	3VA9257-0PK11	3VA9267-0PK11	3VA9467-0PK11	-
			With	3VA9157-0PK13	3VA9257-0PK13	3VA9267-0PK13	3VA9467-0PK13	-
	EMERGENCY-	Without	Without	3VA9157-0PK15	3VA9257-0PK15	3VA9267-0PK15	3VA9467-0PK15	-
	STOP (red/yellow)		With	3VA9157-0PK17	3VA9257-0PK17	3VA9267-0PK17	3VA9467-0PK17	-
Side wall mo	unted rotary oper	ators with mo	unting plates					
15	 Rotary operator plate for mount Handle with ma Degree of prote For 3-pole and 4 	ing directly on t sking plate 75 × ction IP65	he side wall					
	Version	Mounting bracket	Illumination kit					
	Standard (gray)	With	Without	3VA9157-0PK51	3VA9257-0PK51	3VA9267-0PK51	-	-
			With	3VA9157-0PK53	3VA9257-0PK53	3VA9267-0PK53	-	-
	EMERGENCY-	With	Without	3VA9157-0PK55	3VA9257-0PK55	3VA9267-0PK55	-	-
	STOP (red/yellow)		With	3VA9157-0PK57	3VA9257-0PK57	3VA9267-0PK57	-	-
Extended DII	N rails for N/PE ter	minals new						
	Version	Rated curren	t					
	For mounting plate	Up to 250 A		3VA9987-0GL30	3VA9987-0GL30	3VA9987-0GL30	-	-
Auxiliary swi	tch modules for re	otary operatin	g mechanisms	new				
	Version							
	2× leading to "ON"			3VA9257-0GX10	3VA9257-0GX10	3VA9467-0GX10	3VA9467-0GX10	-
	2× leading to "ON"		to "OFF"	_	_		3VA9467-0GX20	_
Mounting ad	apters for side wa			new				
	Version							
				3VA9257-0GX01	3VA9257-0GX01	3VA9467-0GX01	-	-
Masking plat	es, standard new							
	Version							
	Necessary accessor operators and 3VA operators, if 3VA9. modules are used	side wall moun 0GX.0 auxilia	ted rotary	8UD1900-0BB01	8UD1900-0BB01	8UD1900-0BB01	8UD1900-0BB01	-
Masking plat	es, EMERGENCY S	TOP new						
	Version							
	Necessary accessor operators and 3VA operators, if 3VA9. modules are used	side wall moun	ted rotary	8UD1900-0BB05	8UD1900-0BB05	8UD1900-0BB05	8UD1900-0BB05	-

Manual operators

Configure your molded case circuit breaker easily online at www.siemens.com/lowvoltage/configurator-3VA

						3VA13	
					3VA20	3VA14	
			3VA10		3VA21	3VA23	3VA15
			3VA11	3VA12	3VA22	3VA24	3VA25
Supplementa	ary handles for do	or mounted rotary operators					
		hen cabinet door is open					
	Version	nen easmet acor is open					
	Standard (gray)		3VA9287-0GC01	3VA9287-0GC01	3VA9487-0GC01	3VA9487-0GC11	3VA9687-0GC01
	EMERGENCY-			3VA9287-0GC05			3VA9687-0GC05
	STOP (red/yellow)		34775207 00003	34779207 00003	31/1540/ 00005	3777970700013	34113007 00003
Handles	Company (Company)						
	With masking pl	late					
9.00	Version	Tolerance compensation					
	Standard (gray)	With		8UD1721-0AB21		8UD1731-0AB21	8UD1741-0AB21
	Standard (gray)	Without		8UD1721-0AB11		8UD1731-0AB11	
	EMERGENCY-	With		8UD1721-0AB25		8UD1731-0AB25	
	STOP (red/yellow)			8UD1721-0AB25			8UD1741-0AB25
Handle exter		Without		80D1721-0AB13	_	80D1731-0AB13	80D1741-0AB13
Handle exter		le lever extension is already					
		scope of supply of the					
	breakers.	scope or supply or the					
			-	-	-	3VA9487-0SC10	3VA9987-0SC10
Shafts							
- 11	Versions	Length					
	8 × 8 mm	300 mm		8UD190	0-2WA00		-
		600 mm		8UD190	0-2WB00		_
	12 × 12 mm	300 mm	_	_	_	_	8UD1900-4WA00
		600 mm	_	_	_	_	8UD1900-4WB00
Adapters for	shafts	330 1					0021300 111200
Adapters for	Versions	Purpose					
-	8 × 8 mm	With door mounted rotary		8110190	0-2DA00		_
	0 × 0 111111	operator and side wall		000190	0-2 <i>D</i> A00		
		mounted rotary operator					
	12 × 12 mm	For door mounted rotary	-	-	-	-	8UD1900-4DA00
AVIA		operator					
Door couplin	ıas						
	Versions						
#	8 × 8 mm			8UD190	0-2HA00		-
	-			223.70			
4	12 × 12 mm		_	_	_	_	8UD1900-4HA00
	12 ^ 12 111111						0001700 411/100
c							

				3VA20	3VA13 3VA14	
		3VA10		3VA21	3VA23	3VA15
		3VA11	3VA12	3VA22	3VA24	3VA25
Mounting tol	erance compensations					
	Versions					
	8 × 8 mm		8UD190	0-2GA00		-
	12 × 12 mm	-	-	-	-	8UD1900-4GA00
Fixing bracke	ts for shafts					
44.						
		3VA928	7-0GA80	3VA948	7-0GA80	3VA9687-0GA80
Variable depth	adapters					
	Size					
	8 × 8 mm		3VA948	7-0GB10		-

Manual operators

Configure your molded case circuit breaker easily online at

www.siemens.com/lowvoltage/configurator-3VA 3VA22 3VA13 3VA14 3VA15 3VA25 Labeling plates for manual operators 3VA9087-0SX10 Illumination kits for manual operators • 24 V DC voltage Rated current Front rotary operating 100 ... 250 A 8UD1900-0KA10 mechanism 8UD1900-0KA20 100 ... 630 A 8UD1900-0KA20 630 ... 1000 A 8UD1900-0KA30 8UD1900-0KA30 Door mounted rotary operator 100 ... 630 A 8UD1900-0KA20 8UD1900-0KA20 8UD1900-0KA20 8UD1900-0KA20 and side wall mounted rotary 630 ... 1000 A 8UD1900-0KA30 operator Cylinder locks (type Kaba), standard masking plates **Purpose** Key For door mounted rotary 8UD1900-0MB01 8UD1900-0MB01 8UD1900-0MB01 operator and side wall 8UD1900-0NB01 8UD1900-0NB01 8UD1900-0NB01 mounted rotary operator 8UD1900-0PB01 8UD1900-0PB01 8UD1900-0PB01 (in the masking plate) 8UD1900-0QB01 8UD1900-0QB01 8UD1900-0QB01 Cylinder locks (type Kaba), EMERGENCY OFF masking plates **Purpose** Key For door mounted rotary 8UD1900-0MB05 8UD1900-0MB05 8UD1900-0MB05 operator and side wall 2 8UD1900-0NB05 8UD1900-0NB05 8UD1900-0NB05 mounted rotary operator 3 8UD1900-0PB05 8UD1900-0PB05 8UD1900-0PB05 (in the masking plate) 8UD1900-0QB05 8UD1900-0QB05 8UD1900-0QB05 Cylinder locks (type Ronis) Includes a lock with 2 keys For locking or interlocking For installation in all rotary operators For mounting in the adapter kit for the accessories compartment Note: The cylinder lock adapter for rotary operators is also needed for locking or interlocking circuit breakers via rotary operators 3VA9980-0VL10 3VA9980-0VI 30 3VA9980-0VL40 Cylinder lock adapters for rotary operators To mount the cylinder lock in the rotary operator (also possible with door mounted rotary operator and side wall mounted rotary operator) **Rated current** 100 ... 630 A 3VA9980-0LF20 3VA9980-0LF20 3VA9980-0LF20 1000 A 3VA9680-0LF20 3VA9680-0LF20

7

Motor operators

Configure your molded case circuit breaker easily online at

www.siemens.com/lowvoltage/configurator-3VA

Side mounted motor operators (MO310)



· Cover size 45 mm Addressable via Make time, typically Break time, typically Isolating features in Rated control signals accordance with for 3VA1 for 3VA2 for 3VA1 for 3VA2 operational IEC/EN 60947-1 power <300 ms <300 ms 250 W, max. 500 W

Motor operators without stored energy operators (MO320)



iout stored cherg	y operators (MOSZO)					
Addressable via control signals	Isolating features in accordance with IEC/EN 60947-1	Make time, typ for 3VA1	oically for 3VA2	Break time, typ for 3VA1	oically for 3VA2	Rated operational power
•	•	<800 ms (160 A, 250A)	<1000 ms (250 A), <1700 ms (630 A)	<800 ms (160 A, 250A)	<1000 ms (250 A), <1400 ms (630 A)	250 W, max. 500 W

Motor operators with stored energy operators (SEO520)

- Synchronizable remote operating mechanism with optional communication link
- Has two spring assemblies that are used to switch the 3VA2 molded case circuit breaker on and off quickly. This new principle in the MCCB
 area ensures fast, reliable and easily controllable switching sequences, especially in load transfer switching applications.
- The connection with the COM060 communication module, via a plug-in connection, integrates the SEO520 into the communication environment of the 3VA molded case circuit breakers and ensures that the molded case circuit breaker can also be switched via the supported communication networks and the powerconfig and powermanager software packages.
- Note: On account of the fast switching times, the SEO520 cannot be used with a leading changeover switch LCS.



		,					
Addressable via	Isolating features in	Make time, typically		Break time, typically		Rated	
control signals	accordance with IEC/EN 60947-1	for 3VA1	for 3VA2	for 3VA1	for 3VA2	operational power	
•	•	-	<80 ms	-	<80 ms	300 W, max. 500 W (60 ms)	

Mechanical operating cycles counters (for installation in the SEO520)



MountingArticle No.For installation in the SEO5203VA9987-0HX10

Cylinder lock adapters for SEO520



MountingArticle No.For installation of cylinder locks in the SEO5203VA9980-0LF30

Cylinder locks (type Ronis)



Includes a lock with 2 keys
For locking the operating mode (Manual/Auto/Lock) of the SEO520

Key	Article No.
1	3VA9980-0VL10
3	3VA9980-0VL30
4	3VA9980-0VL40

(60 ms)

					3VA13
				3VA20	3VA14
				3VA21	3VA23
		3VA11	3VA12	3VA22	3VA24
Rated control supply voltage	With communication				
42 60 V AC, 24 60 V DC	-	3VA9117-0HB10	-	-	-
110 230 V AC, 110 250 V DC	-	3VA9117-0HB20	-	-	-
7 TO III 250 V DC					
Rated control supply voltage	With communication				
24 60 V DC	_	3VA9157-0HA10	3VA9257-0HA10	3VA9267-0HA10	3VA9467-0HA10
110 230 V AC, 110 250 V DC	-	3VA9157-0HA20	3VA9257-0HA20	3VA9267-0HA20	3VA9467-0HA20
Rated control supply voltage	With communication				
24 V DC	-	-	-	3VA9267-0HC10	-
42 60 V AC/DC	-	-	-	3VA9267-0HC20	-
110 230 V AC, 110 250 V DC	-	-	-	3VA9267-0HC30	-
24 V DC	Yes	-	-	3VA9267-0HC15	-
110 230 V AC, 110 250 V DC	Yes	-	-	3VA9267-0HC35	-



Reset mode

All motor operators have the following reset modes:

Reset mode 1: Automatic reset Reset mode 2: Reset via OFF-signal

The motor operator with SEO520 stored energy operator additionally has:

Reset mode 3: Reset via OFF-signal with additional acknowledge signal

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Connection technology



- For mounting onto the circuit breaker
 For mounting onto withdrawable and plug-in units

Configure your molded case circuit breaker easily online at www.siemens.com/lowvoltage/configurator-3VA

						3VA10 3VA11
Box terminals		.1				
4-		ection options	Scope of supply	Copper stranded		2000452 20044
	0	0	3 single terminals	1.5 70 mm ²		3VA9153-0JA11
OUN SEEN SEEN.	KIN SEED SEED.			6 120 mm ²		-
				25 185 mm²		-
				50 185 mm ²		-
				35 300 mm²		-
	0	2	4 single terminals	1.5 70 mm²		3VA9154-0JA11
Ser Ser Ser Ser				6 120 mm²		-
				25 185 mm²		-
				50 185 mm²		-
				35 300 mm²		-
Nut keeper units						
	Conn	ection options	Scope of supply	Max. tap width	Max. tap thickness	
	0	2	3 single terminals	17 mm	6.5 mm	3VA9113-0QA00
OLDAU.	10.4g.			25 mm	8 mm	-
				35 mm	10 mm	-
			Nut keeper kit for 3-pole breakers, 1 terminal cover	50 mm	25 mm	-
	2	4 single terminals	17 mm	6.5 mm	3VA9114-0QA00	
0.010101				25 mm	8 mm	-
				35 mm	10 mm	_
			Nut keeper kit for 4-pole breakers, 1 terminal cover	50 mm	28 mm	-
Circular conducto	r termina	als, 1 cable				
	Conn	ection options	Scope of supply	Copper/aluminum stranded		
	0	2	3 single terminals	1.5 10 mm² new		3VA9113-0JB10
ล ล ล				1.5 50 mm²		-
				10 95 mm²		3VA9113-0JB11
				16 185 mm²		_
				35 185 mm²		_
				50 300 mm²		_
all of the same of	0	2	4 single terminals	1.5 10 mm ² new		3VA9114-0JB10
5) 5) 5) 5			J	1.5 50 mm²		_
				10 95 mm²		3VA9114-0JB11
				16 185 mm²		_
				35 185 mm²		_
				50 300 mm ²		
				30 300 HIIII		_

Only permitted up to 400 A
 Maximum current-carrying capacity of copper cables 380 A Maximum current-carrying capacity of aluminum cables 310 A

	3VA20 3VA21	3VA13 3VA14 3VA23	3VA15
3VA12	3VA22	3VA24	3VA25
-	-	-	-
3VA9253-0JA11	3VA9163-0JA12	-	-
-	3VA9263-0JA12	-	-
3VA9253-0JA12	-	-	-
-	-	3VA9483-0JA13 1)	-
-	-	-	-
3VA9254-0JA11	3VA9164-0JA12	-	-
-	3VA9264-0JA12	-	-
3VA9254-0JA12	-	-	-
-	-	3VA9484-0JA13 1)	-
-	-	-	-
3VA9213-0QA00	3VA9203-0QA00	-	-
-	-	3VA9403-0QA00	-
-	-	-	3VA9603-0QA00
-	-	-	-
3VA9214-0QA00	3VA9204-0QA00	-	-
-	-	3VA9404-0QA00	-
-	-	-	3VA9604-0QA00
_	_	_	-
_	3VA9103-0JB11	_	_
_	-	_	_
	3VA9263-0JB12	_	_
3VA9253-0JB12	- -	_	_
- -	_	3VA9383-0JB13 ²⁾	_
		34775555 63613	
_	3VA9104-0JB11	_	_
_	-	_	_
_	3VA9264-0JB12	_	_
3VA9254-0JB12	-	_	_
-	_	3VA9384-0JB13 ²⁾	_

Connection technology



- For mounting onto the circuit breaker
 For mounting onto withdrawable and plug-in units

Configure your molded case circuit breaker easily online at www.siemens.com/lowvoltage/configurator-3VA

		1		L I - 2\		3VA11
ar conducto			conductor terminals, 1 ca			
	Conn	ection options	Scope of supply	Copper/aluminum stranded		
l es	0	2	3 single terminals	1.5 10 mm² new		3VA9113-0JG10
57				1.5 50 mm²		_
				10 95 mm²		3VA9113-0JG11
				16 185 mm²		_
				35 185 mm²		_
				50 300 mm²		-
100	0	2	4 single terminals	1.5 10 mm² new		3VA9114-0JG10
গ গ্র				1.5 50 mm²		-
				10 95 mm²		3VA9114-0JG11
				16 185 mm²		-
				35 185 mm²		-
				50 300 mm²		-
ar conducto	r termina	als, 2 cables				
	Conn	ection options	Scope of supply	Copper/aluminum stranded	Aux. conductor terminal	
	0	2	3 single terminals,	120 300 mm²	No	-
flate.			1 short terminal cover		Yes ²⁾	-
20						
-	0	2	4 single terminals,	120 300 mm²	No	-
77			1 short terminal cover		Yes ²⁾	-
19129						
ar conducto	or termina	als, 3 cables				_
ii comaacid		ection options	Scope of supply	Copper/aluminum	Aux. conductor terminal	
				stranded		
	0	2	3 single terminals,	120 185 mm²	No	-
2.000			1 short terminal cover		Yes ²⁾	-
	0	2	4 single terminals,	120 185 mm²	No	-
50 (S)			1 short terminal cover		Yes ²⁾	-
ary conduc	tor termir	als for box term	inals ²⁾			
	Version					
		mounted				3VA9110-0WB00
r	Plug-i	n and draw-out tec	hnology			3VA9150-0WB00
ary conduc	tor termir	als for busbars 23				
	Version	on				
	Fixed-	mounted				3VA9110-0WC00
7	Plug-i	n and draw-out tec	hnology			3VA9150-0WC00
		ity of copper cables 38				

		3VA13	
	3VA20	3VA14	
	3VA21	3VA23	3VA15
3VA12	3VA22	3VA24	3VA25
-	-	-	-
-	3VA9103-0JG11	-	-
-	-	-	-
-	3VA9263-0JG12	-	-
3VA9253-0JG12	-	-	-
-	-	3VA9383-0JG13 ¹⁾	-
-	3VA9104-0JG11	-	-
-	-	-	-
-	3VA9264-0JG12	-	-
3VA9254-0JG12	-	-	-
-	-	3VA9384-0JG13 1)	-
-	-	-	3VA9503-0JB23
-	-	-	3VA9503-0JG23
-	_	-	3VA9504-0JB23
-	-	-	3VA9504-0JG23
_	_	_	3VA9503-0JB32
_	_	_	3VA9503-0JG32
_	_	_	3VA9504-0JB32
_	_	_	3VA9504-0JG32
			377,550 7 03052
3VA9200-0WB00	3VA9200-0WB00	3VA9480-0WB00	_
3VA9280-0WB00	3VA9280-0WB00	3VA9480-0WB00	_
517.5200 011503	3.7.5253 011500	37.13.130 011100	
3VA9200-0WC00	3VA9200-0WC00	3VA9480-0WC00	-
3VA9280-0WC00	3VA9280-0WC00	3VA9480-0WC00	-

Connection technology



- For mounting onto the circuit breaker
 For mounting onto withdrawable and plug-in units

Configure your molded case circuit breaker easily online at www.siemens.com/lowvoltage/configurator-3VA

	ectors extended Number of poles	Conne	ection options	Scope of supply	Max. tap width	Max. tap thickness
,	1P	0	_	1 busbar connection	22 mm	8 mm
				piece		
1	3P	0	2	3 single terminals,	22 mm	8 mm
				2 phase barriers	32 mm	10 mm
L					40 mm	12.5 mm
					50 mm	28 mm
1.4	4P	0	2	4 single terminals,	22 mm	8 mm
			· ·	3 phase barriers	32 mm	10 mm
				·	40 mm	12.5 mm
					50 mm	28 mm
7.					JO IIIIII	20 111111
bus conn	ectors offset					
	Distance between		enters:			
	- 100/160 A = 3 - 250 A = 45 m					
	-400/630 A = 73 Hz					
	Number of poles		ection options	Scope of supply	Max. tap width	Max. tap thickness
4	3P	0	2	3 single terminals,	30 mm	8 mm
				2 phase barriers	35 mm	10 mm
					60 mm	12.5 mm
[2]	4P			4 single terminals,	30 mm	8 mm
14	41	0	2	3 phase barriers	35 mm	
18				5 pilase balliers		10 mm
100					60 mm	12.5 mm
100						
onnectors						
	edgewise					
	Number of poles		ection options	Scope of supply	Max. tap width	Max. tap thickness
1		Conne	ection options	3 single terminals,	20 mm	6 mm
1	Number of poles				20 mm 25 mm	6 mm 7 mm
	Number of poles			3 single terminals,	20 mm	6 mm
	Number of poles			3 single terminals,	20 mm 25 mm	6 mm 7 mm
	Number of poles			3 single terminals,	20 mm 25 mm	6 mm 7 mm
	Number of poles 3P	0	2	3 single terminals, 2 phase barriers	20 mm 25 mm 40 mm	6 mm 7 mm 8 mm
}	Number of poles 3P	0	2	3 single terminals, 2 phase barriers 4 single terminals,	20 mm 25 mm 40 mm	6 mm 7 mm 8 mm
	Number of poles 3P	0	2	3 single terminals, 2 phase barriers 4 single terminals,	20 mm 25 mm 40 mm	6 mm 7 mm 8 mm 6 mm 7 mm
l l	Number of poles 3P 4P	0	2	3 single terminals, 2 phase barriers 4 single terminals,	20 mm 25 mm 40 mm	6 mm 7 mm 8 mm 6 mm 7 mm
ceeper uni	Number of poles 3P 4P ts, right-angled 1)	0	2	3 single terminals, 2 phase barriers 4 single terminals,	20 mm 25 mm 40 mm 20 mm 25 mm 40 mm	6 mm 7 mm 8 mm 6 mm 7 mm 8 mm
keeper uni	Number of poles 3P 4P	Conne	2 ection options	3 single terminals, 2 phase barriers 4 single terminals, 3 phase barriers	20 mm 25 mm 40 mm 20 mm 25 mm 40 mm Max. tap width	6 mm 7 mm 8 mm 6 mm 7 mm 8 mm Max. tap thickness
keeper uni	Number of poles 3P 4P ts, right-angled ¹⁾ Number of poles	0	2	3 single terminals, 2 phase barriers 4 single terminals, 3 phase barriers	20 mm 25 mm 40 mm 20 mm 25 mm 40 mm	6 mm 7 mm 8 mm 6 mm 7 mm 8 mm Max. tap thickness 8 mm
keeper uni	Number of poles 3P 4P ts, right-angled ¹⁾ Number of poles	Conne	2 ection options	3 single terminals, 2 phase barriers 4 single terminals, 3 phase barriers	20 mm 25 mm 40 mm 20 mm 25 mm 40 mm Max. tap width 22 mm 32 mm	6 mm 7 mm 8 mm 6 mm 7 mm 8 mm 8 mm Max. tap thickness 8 mm 10 mm
keeper uni	Number of poles 3P 4P ts, right-angled ¹⁾ Number of poles	Conne	2 ection options	3 single terminals, 2 phase barriers 4 single terminals, 3 phase barriers	20 mm 25 mm 40 mm 20 mm 25 mm 40 mm	6 mm 7 mm 8 mm 6 mm 7 mm 8 mm Max. tap thickness 8 mm
ceeper uni	Number of poles 3P 4P ts, right-angled ¹¹ Number of poles 3P	Conne	ection options	3 single terminals, 2 phase barriers 4 single terminals, 3 phase barriers 3 single terminals, 2 phase barriers	20 mm 25 mm 40 mm 20 mm 25 mm 40 mm Max. tap width 22 mm 32 mm 40 mm	6 mm 7 mm 8 mm 6 mm 7 mm 8 mm 8 mm 10 mm 12.5 mm
eeper uni	Number of poles 3P 4P ts, right-angled ¹⁾ Number of poles	Conne	2 ection options	3 single terminals, 2 phase barriers 4 single terminals, 3 phase barriers 3 single terminals, 2 phase barriers 4 single terminals,	20 mm 25 mm 40 mm 20 mm 25 mm 40 mm Max. tap width 22 mm 32 mm 40 mm	6 mm 7 mm 8 mm 6 mm 7 mm 8 mm 8 mm 10 mm 12.5 mm
eeper uni	Number of poles 3P 4P ts, right-angled ¹¹ Number of poles 3P	Conne	ection options	3 single terminals, 2 phase barriers 4 single terminals, 3 phase barriers 3 single terminals, 2 phase barriers	20 mm 25 mm 40 mm 20 mm 25 mm 40 mm Max. tap width 22 mm 32 mm 40 mm	6 mm 7 mm 8 mm 6 mm 7 mm 8 mm 8 mm 10 mm 12.5 mm

1) Can only be connected to breaker side N, 1, 3, 5

			3VA13	
		3VA20	3VA14	
3VA10		3VA21	3VA23	3VA15
3VA11	3VA12	3VA22	3VA24	3VA25
3VA9151-0QB00	-	-	-	-
3VA9153-0QB00	-	-	-	-
-	3VA9253-0QB00	3VA9263-0QB00	-	-
-	-	-	3VA9483-0QB00 -	- 21/40603 00000
_	_	-	_	3VA9603-0QB00
3VA9154-0QB00	-	-	-	-
-	3VA9254-0QB00	3VA9264-0QB00	-	-
-	-	-	3VA9484-0QB00	-
-	-	-	-	3VA9604-0QB00
3VA9153-0QC00	-	-	-	-
-	3VA9253-0QC00	3VA9263-0QC00	-	-
-	-	-	3VA9483-0QC00	-
3VA9154-0QC00	-	-	-	-
-	3VA9254-0QC00	3VA9264-0QC00	-	-
-	-	-	3VA9484-0QC00	-
3VA9153-0QD00	-	-	-	-
-	3VA9253-0QD00	3VA9263-0QD00	-	-
-	-	-	3VA9483-0QD00	-
3VA9154-0QD00	-	-	-	-
-	3VA9254-0QD00	3VA9264-0QD00	-	-
-	-	-	3VA9484-0QD00	-
3VA9113-0QG00	2)/40212.00000	-	-	-
_	3VA9213-0QG00	3VA9223-0QG00 _	- 3VA9403-0QG00	-
			3VA3-00900	_
3VA9114-0QG00	-	-	-	-
-	3VA9214-0QG00	3VA9224-0QG00	-	-
-	-	-	3VA9404-0QG00	-

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Connection technology



- For mounting onto the circuit breaker
 For mounting onto withdrawable and plug-in units

Configure your molded case circuit breaker easily online at www.siemens.com/lowvoltage/configurator-3VA

Rear connection s	tuds flat			
	Number of poles	Conne	ction options	Scope of supply
4	1P		2	1 short connection stud flat
5				1 long connection stud flat
- A	3P	0	2	2 short connection studs flat,
000				1 long connection stud flat
N 50	4P 1 2		0	2 short connection studs flat,
5555				2 long connection studs flat
Rear connection s	tuds round			
	Number of poles	Conne	ction options	Scope of supply
2	1P	0	2	1 short connection stud round
				1 long connection stud round
	3P	0	0	1 long connection stud round,
866				2 short connection studs round
A) a	4P	0	2	2 long connection studs round,
6666				2 short connection studs round

			3VA13	
		3VA20	3VA14	
3VA10		3VA21	3VA23	3VA15
3VA11	3VA12	3VA22	3VA24	3VA25
3VA9111-0QE10	3VA9211-0QE10	3VA9201-0QE10	3VA9401-0QE10	-
3VA9111-0QE20	3VA9211-0QE20	3VA9201-0QE20	3VA9401-0QE20	-
3VA9113-0QE00	3VA9213-0QE00	3VA9203-0QE00	3VA9403-0QE00	-
3VA9114-0QE00	3VA9214-0QE00	3VA9204-0QE00	3VA9404-0QE00	-
3VA9111-0QF10	3VA9211-0QF10	3VA9201-0QF10	3VA9401-0QF10	-
3VA9111-0QF20	3VA9211-0QF20	3VA9201-0QF20	3VA9401-0QF20	-
3VA9113-0QF00	3VA9213-0QF00	3VA9203-0QF00	3VA9403-0QF00	-
3VA9114-0QF00	3VA9214-0QF00	3VA9204-0QF00	3VA9404-0QF00	-

Connection technology



- For mounting onto the circuit breaker
 For mounting onto withdrawable and plug-in units

Configure your molded case circuit breaker easily online at www.siemens.com/lowvoltage/configurator-3VA

Circular condu	ıctor terminals, 2P				
427	Connection options	Scope of supply	Number of cables	Copper/aluminum stranded	Aux. conductor terminal
	0 -	2 single terminals,	1	25 150 mm²	Yes ¹⁾
<u> </u>		1 extended terminal cover,			No
學與		1 insulation plate	6	1.5 35 mm²	No
Circular condu	ıctor terminals, 3P				
100	Connection options	Scope of supply	Number of cables	Copper/aluminum stranded	Aux. conductor terminal
ର ଜଣ	0 -	3 single terminals, 1 extended terminal cover,	1	25 150 mm²	Yes ¹⁾ No
777 779		1 insulation plate		50 240 mm²	Yes 1) No
			2	25 150 mm²	Yes 1)
				70 300 mm²	No Yes ¹⁾
			4	120 240 mm²	No Yes ¹⁾
				4.5.05.0	No
		2:1:::	6	1.5 35 mm²	No No
	- 2	3 single terminals, 1 extended terminal cover,	1	25 150 mm²	Yes 1)
		1 insulation plate	2	50 240 mm²	Yes 1)
			2	25 150 mm²	Yes ¹⁾
				70 300 mm ²	Yes 1)
c: l			6	1.5 35 mm²	No
Circular condu	uctor terminals, 4P				
	Connection options	Scope of supply	Number of cables	Copper/aluminum stranded	Aux. conductor terminal
2000	0 -	4 single terminals,	1	25 150 mm²	Yes ¹⁾
		1 extended terminal cover, 1 insulation plate			No
9999		i insulation plate		50 240 mm ²	Yes ¹⁾
					No
			2	25 150 mm²	Yes ¹⁾
					No
				70 300 mm²	Yes ¹⁾
					No
			4	120 240 mm²	Yes 1)
					No
			6	1.5 35 mm²	No
	- 2	4 single terminals,	1	25 150 mm²	Yes ¹⁾
		1 extended terminal cover,		50 240 mm²	Yes 1)
		1 insulation plate	2	25 150 mm²	Yes 1)
				70 300 mm ²	Yes 1)
				70 300 11111	103

1) Maximum current-carrying capacity 15 A Maximum cable connection up to 2.5 mm²

			3VA13	
		3VA20	3VA14	
3VA10		3VA21	3VA23	3VA15
3VA10	3VA12	3VA21	3VA23	3VA25
SVAIT	JVAIZ	JVAZZ	JVAZ4	JVAZJ
3VA9112-0JC12	-	-	-	-
3VA9112-0JJ12	_	_	_	_
3VA9112-0JF60	_	_	_	_
3VA9113-0JC12	-	-	_	-
3VA9113-0JJ12	_	-	-	-
-	3VA9213-0JC13	3VA9223-0JC13	_	_
_	3VA9213-0JJ13	3VA9223-0JJ13	-	-
_	3VA9213-0JC22	3VA9223-0JC22	_	_
_	3VA9213-0JJ22	3VA9223-0JJ22	_	_
_	-	-	3VA9403-0JC23	_
_	-	_	3VA9403-0JJ23	_
_	_	_	-	3VA9603-0JC43
_	_	_	_	3VA9603-0JJ43
3VA9113-0JF60	3VA9213-0JF60	3VA9223-0JF60	3VA9303-0JF60	-
3VA9153-0JC12	-	-	-	
-	3VA9253-0JC13	3VA9263-0JC13	_	_
_	3VA9253-0JC22	3VA9263-0JC22	_	_
_	-	-	3VA9483-0JC23	_
3VA9153-0JF60	3VA9253-0JF60	3VA9263-0JF60	3VA9383-0JF60	_
3 77.57.55 63. 66	37775255 037 00	517.52.05 037.00	31113303 031 00	
3VA9114-0JC12	-	-	-	-
3VA9114-0JJ12	-	-	-	-
_	3VA9214-0JC13	3VA9224-0JC13	-	-
_	3VA9214-0JJ13	3VA9224-0JJ13	-	-
-	3VA9214-0JC22	3VA9224-0JC22	-	-
-	3VA9214-0JJ22	3VA9224-0JJ22	-	-
_	-	-	3VA9404-0JC23	-
-	-	-	3VA9404-0JJ23	-
-	-	-	-	3VA9604-0JC43
-	-	-	-	3VA9604-0JJ43
3VA9114-0JF60	3VA9214-0JF60	3VA9224-0JF60	3VA9304-0JF60	-
3VA9154-0JC12	-	-	-	-
-	3VA9254-0JC13	3VA9264-0JC13	-	-
-	3VA9254-0JC22	3VA9264-0JC22	-	-
-	-	-	3VA9484-0JC23	-
3VA9154-0JF60	3VA9254-0JF60	3VA9264-0JF60	3VA9384-0JF60	-

Connection technology



- For mounting onto the circuit breaker
 For mounting onto withdrawable and plug-in units

Configure your molded case circuit breaker easily online at www.siemens.com/lowvoltage/configurator-3VA

				3VA10	3VA11
ers specially for fixed					
Version	Number of poles		ing location	21/40444 014/040	21/40444 014/5
Short	1P	0	-	3VA9111-0WD10	3VA9111-0WD
	2P	0	-	3VA9111-0WD20	3VA9111-0WD2
	3P	0	-	3VA9111-0WD30	3VA9111-0WD
	4P	0	-	3VA9111-0WD40	3VA9111-0WD
Extended 1)	2P	0	-	3VA9111-0WF20	3VA9111-0WF2
	3P	0	-	3VA9111-0WF30	3VA9111-0WF
	4P	0	-	3VA9111-0WF40	3VA9111-0WF
Broadened 1)	3P	0	_	3VA9111-0WG30	3VA9111-0WG
	4P	0	-	3VA9111-0WG40	3VA9111-0WG
To provide circ	n and draw-out units (s uit breaker touch protection to the molded case circuit	on	t)	_	
 Included in sco 	pe of supply: Cover for the	e infeed a	nd outgoing terminal		
Version	Number of poles	Mount	ing location		
Short	3P	0	-	3VA9113-0KB01	3VA9113-0KB
	4P	0	-	3VA9114-0KB01	3VA9114-0KB
	or draw-out socket onto the plug-in or draw-o				
• For mounting of Version	onto the plug-in or draw-o Number of poles		ing location		2VA01E2 0VD
For mounting of	onto the plug-in or draw-o Number of poles 3P		2		
• For mounting of Version	onto the plug-in or draw-o Number of poles			- -	
• For mounting of Version Short	onto the plug-in or draw-o Number of poles 3P 4P		9	-	3VA9154-0KB
For mounting of Version	onto the plug-in or draw-o Number of poles 3P		9 9	-	3VA9154-0KB 3VA9153-0KB
• For mounting of Version Short	onto the plug-in or draw-o Number of poles 3P 4P		9	- - -	3VA9154-0KB 3VA9153-0KB
• For mounting of Version Short	onto the plug-in or draw-o Number of poles 3P 4P		9 9	- - - -	3VA9154-0KB 3VA9153-0KB 3VA9154-0KB
• For mounting of Version Short Extended 1)	onto the plug-in or draw-o Number of poles 3P 4P		9992	- - - -	3VA9153-0KB0 3VA9154-0KB0 3VA9153-0KB0 3VA9154-0KB0 3VA9153-0KB0
• For mounting of Version Short Extended 1) Broadened 1)	onto the plug-in or draw-o Number of poles 3P 4P 3P 4P		222222	-	3VA9154-0KB 3VA9153-0KB 3VA9154-0KB 3VA9153-0KB
• For mounting of Version Short Extended 1) Broadened 1)	onto the plug-in or draw-o Number of poles 3P 4P 3P 4P Number of poles	Mount Mount	222	-	3VA9154-0KB 3VA9153-0KB 3VA9154-0KB 3VA9153-0KB 3VA9154-0KB
• For mounting of Version Short Extended 1) Broadened 1)	Number of poles 3P 4P 3P 4P Number of poles 2P		222222	- - - - - - 3VA9111-0WJ20	3VA9153-0KB 3VA9154-0KB 3VA9153-0KB 3VA9154-0KB 3VA9111-0WJ
• For mounting of Version Short Extended 1) Broadened 1)	onto the plug-in or draw-o Number of poles 3P 4P 3P 4P Number of poles	Mount Mount	222222	- - - - - - - 3VA9111-0WJ20 3VA9111-0WJ30	3VA9153-0KB 3VA9154-0KB 3VA9153-0KB 3VA9154-0KB 3VA9111-0WJ
• For mounting of Version Short Extended 1) Broadened 1)	Number of poles 3P 4P 3P 4P Number of poles 2P	Mount Mount	222222		3VA9154-0KBI 3VA9153-0KBI 3VA9154-0KBI 3VA9153-0KBI
• For mounting of Version Short Extended 1) Broadened 1)	Number of poles 3P 4P 3P 4P Number of poles 3P 4P 3P 4P	Mount Mount 0	e e e e e e e e e e e e e e e e e e e	3VA9111-0WJ30	3VA9154-0KB 3VA9153-0KB 3VA9154-0KB 3VA9154-0KB 3VA9154-0KB

		3VA13	
	3VA20	3VA14	
	3VA21	3VA23	3VA15
3VA12	3VA22	3VA24	3VA25
-	-	-	-
-	-	-	-
3VA9211-0WD30	3VA9221-0WD30	3VA9481-0WD30	3VA9601-0WD30
3VA9211-0WD40	3VA9221-0WD40	3VA9481-0WD40	3VA9601-0WD40
_	_	_	_
3VA9211-0WF30	3VA9221-0WF30	3VA9481-0WF30	_
3VA9211-0WF40	3VA9221-0WF40	3VA9481-0WF40	_
34//3211 0411 10	347/3221 OW 10	37/3/61/6/11/10	
3VA9211-0WG30	3VA9221-0WG30	3VA9401-0WG30	_
3VA9211-0WG40	3VA9221-0WG40	3VA9401-0WG40	-
3VA9213-0KB01	3VA9123-0KB01	3VA9353-0KB01	-
3VA9214-0KB01	3VA9124-0KB01	3VA9354-0KB01	_
5175211 61861	3775727 077507	317/3331 0/1301	
2)/40252 0//002	2) (4.04.62, 0) (80.2	21/40252 01/502	
3VA9253-0KB03	3VA9163-0KB03	3VA9353-0KB03	-
3VA9254-0KB03	3VA9164-0KB03	3VA9354-0KB03	-
3VA9253-0KB04	3VA9163-0KB04	3VA9353-0KB04	_
3VA9254-0KB04	3VA9164-0KB04	3VA9354-0KB04	_
3VA9253-0KB05	3VA9163-0KB05	3VA9353-0KB05	_
3VA9254-0KB05	3VA9164-0KB05	3VA9354-0KB05	_
3 77,5 254 61,065	3777704 00003	3 V / 2 2 2 4 0 K D 0 3	
-	-	-	-
3VA9211-0WJ30	3VA9221-0WJ30	3VA9481-0WJ30	-
3VA9211-0WJ40	3VA9221-0WJ40	3VA9481-0WJ40	-
3VA9211-0WK30	3VA9221-0WK30	3VA9481-0WK30	-
3VA9211-0WK40	3VA9221-0WK40	3VA9481-0WK40	-

Connection technology

Configure your molded case circuit breaker easily online at www.siemens.com/lowvoltage/configurator-3VA

			3VA10	3VA11
Phase barriers	(fixed mounting, plug-	in and draw-out units)		
44	Scope of supply			
	2 phase barriers		3VA915	52-0WA00
DC insulation p	olates for 3VA1 for fixed	d-mounted molded case circuit breakers		
	Number of poles			
	3P		3VA91	13-0SG10
	4P		3VA91	14-0SG10
Side plates for	3VA1 for fixed-mount	ed molded case circuit breakers		
	Number of poles	Mounting		
n n	2P	On 2-pole molded case circuit breakers	3VA91	12-0SG20

	3VA20	3VA13 3VA14	
	3VA21	3VA23	3VA15
3VA12	3VA22	3VA24	3VA25
3VA9252-0WA00	3VA9262-0WA00	3VA9482-0WA00	3VA9602-0WA00
-	-	-	-
-	-	-	-
-	-	-	-

Plug-in and draw-out technology

The main differences between plug-in units and draw-out units are convenience of operation and the potential for functional expansion.

Thanks to plug-in and draw-out technology:

- Molded case circuit breakers can be replaced quickly and easily for overhauls or servicing
- Electrical isolation and clearly visible isolating distance
- The socket can be interlocked to prevent the 3VA molded case circuit breaker from being plugged in or moved in
- Identical connection technology for all molded case circuit breakers, whether they are plug-in, draw-out or fixed-mounted units

In addition, draw-out technology offers:

- Transmission of the position of the molded case circuit breaker via communication (CONNECT, TEST, DISCONNECT)
- The ability to test the auxiliary and control circuit connections in the test position of the draw-out unit, without contacted main current paths
- Transmission of the state of the molded case circuit breaker (ON, OFF, TRIP) via the COM060 communication module

Configure your molded case circuit breaker easily online at

www.siemens.com/lowvoltage/configurator-3VA

					3VA13
				3VA20	3VA14
				3VA21	3VA23
		3VA11	3VA12	3VA22	3VA24
Draw-out units	s, complete kits				
dda	 Scope of supply: Draw-out socket Conversion kit Mounting screw kit Note: The crank handle for the draw-out unit must be ordered 				
	separately.				
	Number of poles				
	3P	-	3VA9213-0KD00	3VA9123-0KD00	3VA9323-0KD00
	4P	-	3VA9214-0KD00	3VA9124-0KD00	3VA9324-0KD00
	s, conversion kits				
ride	Scope of supply: Screw-fastened terminal covers for molded case circuit breakers Side panels Plug-in contacts Cable cages Autotrip plunger Note: The crank handle for the draw-out unit must be ordered separately.				
	Number of poles				
	3P	_	3VA9213-0KD10	3VA9123-0KD10	3VA9323-0KD10
	4P	_	3VA9214-0KD10	3VA9124-0KD10	3VA9324-0KD10
lug-in units, c	complete kits				
	Scope of supply: Plug-in base Conversion kit Mounting screw kit				
ida	Number of poles				
. 213	3P	3VA9113-0KP00	3VA9213-0KP00	3VA9123-0KP00	3VA9323-0KP00
	4P	3VA9114-0KP00	3VA9214-0KP00	3VA9124-0KP00	3VA9324-0KP00
lug-in units, o	conversion kits				
Marie	 Scope of supply: Screw-fastened terminal covers for molded case circuit breakers Plug-in contacts Cable cages 				
វេជជ	Autotrip plunger				
	Number of poles				
	3P	3VA9113-0KP10	3VA9213-0KP10	3VA9123-0KP10	3VA9323-0KP10
	4P	3VA9114-0KP10	3VA9214-0KP10	3VA9124-0KP10	3VA9324-0KP10

					3VA13
				3VA20	3VA14
				3VA21	3VA23
		3VA11	3VA12	3VA22	3VA24
Cable cages for pl	ug-in/draw-out units (spare part)				
ticket entriest	Cable duct for routing of the required cables from the internal accessories on the back of the circuit breaker				
	Number of poles				
	3P/4P	3VA9157-0KB02	3VA9257-0KB02	3VA9167-0KB02	3VA9367-0KB02
Door feedthrough	S				
-					
		-	3VA9257-0KT00	3VA9167-0KT00	3VA9367-0KT00
Autotrip plungers	(spare part)				
<u> </u>	Version				
	Plug-in unit	3VA9157-0KP81	3VA9257-0KP81	3VA9267-0KP81	3VA9457-0KP81
	Draw-out unit	-	3VA9257-0KD81	3VA9267-0KD81	3VA9457-0KD81

Accessories

Communication	ı links for draw-out u	nit	
	Scope of supply		Article No.
111	Set of cables with 3VA9987-0KC10 o	three special position signaling switches, connecting cables	3VA9987-0KC00
Position signali	ng switches for draw	-out unit and plug-in unit	
4			Article No.
			3VA9987-0KB00
Connecting cab	les		
	Purpose		Article No.
	Connection of pos	sition signaling switches for communication with COM060	3VA9987-0KC10
Crank handles t	for draw-out units		
-	Version	Scope of supply	Article No.
)	Insulated	Including crank handle holder	3VA9987-0KD81
Auxiliary circuit	connectors		
ah .	 Each auxiliary of 	circuit connector is designed for 4 cables.	
	Version		Article No.
la la	For all draw-out u	nits	3VA9987-0KD80
	For all plug-in unit	ts	3VA9987-0KP80
Cylinder locks			
	 Scope of supply 1 lock with 2 For locking or i Note: Not for 3 	keys nterlocking	
	Key	Lock number	Article No.
	1	1	3VA9980-0VL10
	3	3	3VA9980-0VL30
	4	4	3VA9980-0VL40
Cylinder lock ac	dapters for draw-out	units	
-40		uthorized withdrawal or insertion of the circuit breaker into the draw-out unit can be locked in the CONNECT, TEST and DISCONNECT positions	
	Purpose		Article No.
	For fitting a cylind side wall of the dr	ler lock in the right-hand aw-out unit	3VA9980-0LF40

Residual current devices RCD

According to IEC 60947-2 Annex B (Type A, Type B) and according to DIN VDE 0664-400 (Type B+)

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www.siemens.com/lowvoltage/configurator-3VA

Mounted onto the side (left) • Can be mounted onto switch disconnectors and molded case circuit breakers Sensitivity³⁾ Rated Limit value of Rated voltage Pre-alarm Tripped signal Num-Type ber of residual non-tripping U_e current poles response time current $I_{\Delta n}$ 127 ... 480 V AC 50/60 Hz 3-pole RCD510 Type A 0.03 ... 5 A. 0 ... 3 s 4-pole RCD310 Type A 0.03 ... 5 A. instantaneous 127 ... 480 V AC 50/60 Hz RCD510 Type A 0.03 ... 5 A. 0 ... 3 s 127 ... 480 V AC 50/60 Hz

Mounted below (under trip unit)

• Can be mounted onto molded case circuit breakers

	Num- ber of poles	Туре	Sensitivity ³⁾	residual response current I	Limit value of non-tripping time Δt	Rated voltage U _e	Fault current frequency	Pre-a	NC COM	COM	трір	ed signal	СОМ
Hadladi	3-pole	RCD520	Type A	0.03 5 A.	0 3 s	127 480 V AC	50/60 Hz	1	_	_	•	•	-
		RCD520B 1)4)	Type B	0.03 5 A.	0 10 s	127 690 V AC	0 100 kHz	1		-	•		-
P.		new	Type B+	0.03 0.3 A.									
Spane.		RCD820 ²⁾	Type A	0.03 30 A ⁵⁾	0 10 s	127 690 V AC	50/60 Hz	2					•
No. of Lot,	4-pole	RCD320	Type A	0.03 5 A.	instantaneous	127 480 V AC	50/60 Hz	1	-	-	•	•	-
		RCD520	Type A	0.03 5 A.	0 3 s	127 480 V AC	50/60 Hz	1	-	-			-
描述		RCD520B 4)	Type B	0.03 5 A.	0 10 s	127 690 V AC	0 100 kHz	1		-		•	-
ALK SIX SIX SIX SIX		new	Type B+	0.03 0.3 A.									
		RCD820 ²⁾	Type A	0.03 30 A ⁵⁾	0 10 s	127 690 V AC	50/60 Hz	2	•			•	•

Residual current releases (spare part) new



Version Scope of supply
For RCD310 or RCR, RCR-RCD cables
RCD510

- 1) 3-pole version in 4-pole enclosure
- 2) With energy infeed from below, the required auxiliary switch (AUX) must be ordered separately
- 3) Type A: pulse current sensitive, type B/B+: universal current sensitive
- 4) Sensitivity selectable for type B/B+
- ⁵⁾ $I_{\Delta n} = 30A$: type AC
- 6) If the molded case circuit breaker has no box terminals as connections, a set of box terminals must be ordered additionally for the taps below the thermal-magnetic trip units.
- ⁷⁾ 1 set of box terminals is included in scope of supply of the RCD510 (3VA921.-0RS20).

Modular residual current devices type A/B (according to IEC 60947-2 Annex M) See monitoring devices, page 11/1

Monitoring mode (tripping can be disabled as an option) Sample Communication-capable reset Communication-capable remote option) Communication-capable remote option Communication-capable reset Communica						3VA20			
				3VA11	3VA12	3VA21	3VA22	3VA23	3VA24
■	(tripping can be disabled as an	test/ remote							
Monitoring mode (tripping can be disabled as an option) Remote test/ remote reset Communication-capable - - - 3VA9113-0RL20 3VA9213-0RL20 -		-	-	3VA9113-0RS20 ⁶⁾	3VA9213-0RS20 ⁷⁾	-	-	-	-
Monitoring mode (tripping can be disabled as an option) Remote test/ remote reset Communication-capable - - - 3VA9113-ORL20 3VA9213-ORL20 -	•	-	_	3VA9114-0RS10 ⁶⁾	-	-	-	-	-
(tripping can be disabled as an option) test/ remote reset tion-capable remote reset - - - 3VA9113-ORL20 3VA9213-ORL20 -	•	-	-	3VA9114-0RS20 ⁶⁾	3VA9214-0RS20 ⁷⁾	-	-	-	-
(tripping can be disabled as an option) test/ remote reset tion-capable remote reset - - - 3VA9113-ORL20 3VA9213-ORL20 -									
■ ■	(tripping can be disabled as an	test/ remote							
■ ■	-	-	-	3VA9113-0RL20	3VA9213-0RL20	-	-	-	-
- -	•	_	-	3VA9113-0RL21	-	-	-	-	-
- - - 3VA9114-0RL20 3VA9214-0RL20 - - - - ■ - - 3VA9114-0RL21 - - - - - - - - - - 3VA9124-0RL30 3VA9224-0RL30 3VA9324-0RL30 3V				-	-	3VA9123-0RL30	3VA9223-0RL30	3VA9323-0RL30	3VA9423-0RL30
■	-	-	_	3VA9114-0RL10	-	_	-	-	-
■	-	-	_	3VA9114-0RL20	3VA9214-0RL20	-	-	-	-
		-	-	3VA9114-0RL21	-	-	-	-	-
3VA9988-0BR10				_	_	3VA9124-0RL30	3VA9224-0RL30	3VA9324-0RL30	3VA9424-0RL30
3VA9988-0BR10									
3VA9988-0BR10									
				3VA9988-0BR10	3VA9988-0BR10	-	-		-

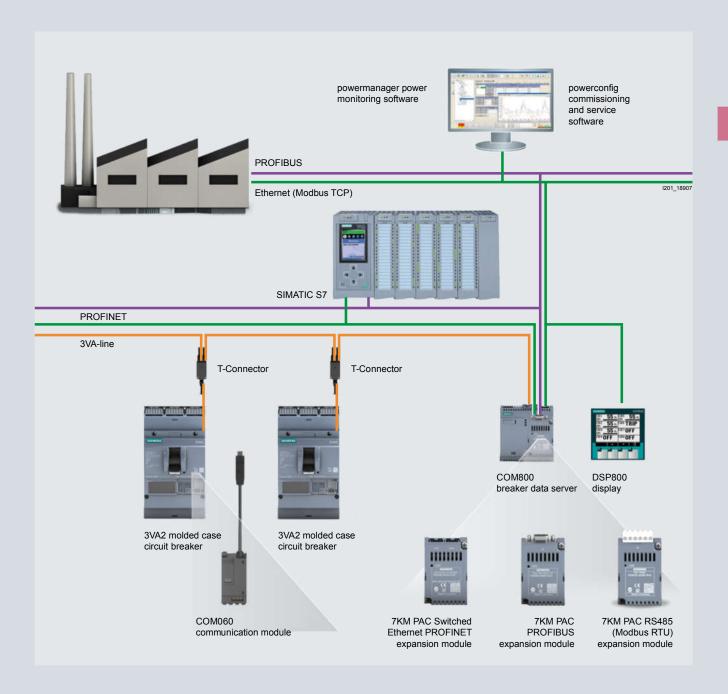
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Communication

Metering function 1)			ETU 5- series	ETU 8- series	Display in ETU	Display DSP800	Communication COM800/COM100
Current							
Phase and neutral conductor currents	I ₁ , I ₂ , I ₃ , I _N	Α		•			
Residual current to ground	I _g	Α		•			
Phase with highest load		Α					
Mean value over the three phase currents	$I_{leading axis} = (I_1 + I_2 + I_3)/3$	Α	-		-		
Asymmetry of the phase currents	I _{nba}	%	-		-		
THD of the 3 phases	THDI ₁ , THDI ₂ , THDI ₃	%	-		-		
Voltage							
Phase voltages incl. mean value	U ₁₂ , U ₂₃ , U ₃₁ , U _{phavq}	V	-				
Voltages to N conductor incl. mean value	U _{1N} , U _{2N} , U _{3N} , U _{Navq}	V	-		-		
Voltage unbalance	,	%	-		-		
THD phase/phase and phase/N	THDI ₁ , THDI ₂ , THDI ₃	%	-		-		
Power							
Active power, total and per phase	P ₁ , P ₂ , P ₃ , P _{tot}	kW	-		□ (P _{tot})		
Apparent power, total and per phase	S ₁ , S ₂ , S ₃ , S _{tot}	kVA	-		-		
Reactive power, total and per phase	Q ₁ , Q ₂ , Q ₃ , Q _{tot}	kVAr	-				
Power factor of the fundamental	P _{F1} , P _{F2} , P _{F3} , P _{Favq}		-		□ (PF _{avq})		
Energy							
Active energy, infeed and feedback	E _p	kWh	-				
Reactive energy, infeed and feedback	Eq	kVArh	-		-		
Apparent energy	Es	kVAh	-		-		
Frequency							
Present frequency	f	Hz	-				
Maximum pointer function							
Min./max. current, voltage, power	With time stamp	-	-	-	-	-	

 $^{^{1)}}$ Depending on ETU version $\hfill\blacksquare$ Available $\hfill\square$ Displayable $\hfill\blacksquare$ Not available

		3VA20	3VA23		
		3VA21	3VA24		
		3VA22	3VA25		
COM060 commun	ication modules				
	 For mounting in the right-hand accessories compartment of the 3VA2 molded case circuit breaker (including ETU power supply) Including a T-Connector 				
	Purpose				
	Communication to the COM800/COM100 breaker data server via 3VA line	3VA9187-0TB10	3VA9387-0TB10		
24 V modules					
	24 V DCFor mounting in the right-hand accessories compartment of the 3VA2				
2	Purpose				
	Optional energy supply for the ETU, also includes continuous operation of the ETU display and the metering function of the ETU 8-series	3VA9187-0TB50	3VA9387-0TB50		



System overview, page 2/20 Siemens LV 10 · 10/2019 2/53

Communication

Breaker data server

COM800 breaker data servers



Central communication module for connection of up to eight 3VA2 molded case circuit breakers via the

3VA line, Ethernet 10/100 Mbps interface module socket for inserting an optional PROFIBUS DP or PROFINET module, 2 terminating resistors

COM100 breaker data servers



Central communication module for connection of a 3VA2 molded case circuit breaker via the 3VA line, Ethernet 10/100 Mbps interface module socket for inserting an optional PROFIBUS DP or PROFINET module, 2 terminating resistors

7KM PAC PROFIBUS DP expansion modules



Purpose Article No.

Used for connecting the COM800/COM100 breaker data server, and the 3VA molded case circuit breakers connected to it, to PROFIBUS DPV1. Supplies the state and measured variables of the 3VA molded case circuit breaker for the PROFIBUS DP master. Receives information (e.g. commands) from the PROFIBUS DP master and transmits them to the 3VA molded case circuit breaker.

7KM PAC Switched Ethernet PROFINET expansion modules



Purpose

Used for connecting the COM800/COM100 breaker data server, and the connected 3VA molded case circuit
breakers, to PROFINET via two Ethernet interfaces. Supplies the state and measured variables of the 3VA
molded case circuit breakers to PROFINET via the PROFINET IO, PROFIenergy and Modbus TCP protocols.

Article No. 7KM9300-0AE01-0AA0

Article No.

Article No.

3VA9987-0TA20

3VA9987-0TA10

7KM PAC RS485 Modbus RTU expansion modules



Purpose

Used for connecting the COM800/COM100 breaker data server, and the 3VA molded case circuit breakers connected to it, to Modbus RTU. Supplies the state and measured variables of the 3VA molded case circuit breaker for the Modbus RTU master. Receives information (e.g. commands) from the Modbus RTU master and transmits them to the 3VA molded case circuit breaker.

7KM9300-0AM00-0AA0

Article No.

Interfaces to IEC 61850 new

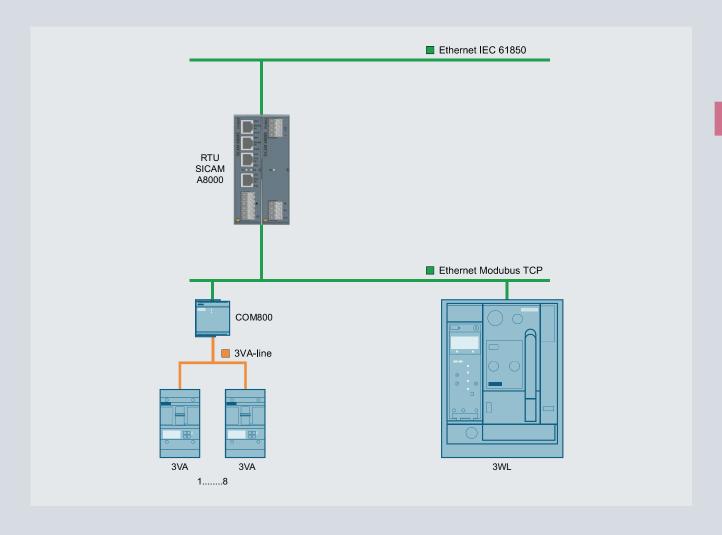
The SICAM A8000 smart breaker data server connects the circuit breakers from the SENTRON portfolio
via the MODBUS TCP/IP protocol and transmits data via communication protocols (e.g.: IEC 61850,
IEC 60870-5-104, IEC 60870-5-101, MODBUS and DNP) to higher-level systems.



Туре	Processor assembly	Operating voltage	Article No.
SICAM CP-8021 1)	4 interfaces		6MF28021AA00
SICAM PS-8620	-	24 60 V DC (12 W)	6MF28620AA00
SICAM PS-8622	-	110 220 V DC (12 W)	6MF28622AA00

 $^{^{\}mbox{\tiny 1)}}$ Designed for quantities of max. 20 devices, each with 50 data points

You will find further information at: www.siemens.com/sicam-a8000



Communication

Accessories for communication

	are part)		
CE E	Purpose		Article No.
FO	Provides a stub connection to the COM060 and loc	ops through to the next circuit breaker.	3VA9987-0TG10
DIN rail adapters			
	Purpose		Article No.
mmm	For snapping the T-Connector onto a DIN rail.		3VA9987-0TG11
Prefabricated co	nnecting cables, T-connector – T-connector or T-c	connector – COM800/COM100	
	Length		Article No.
	0.4 m		3VA9987-0TC10
- W	1 m		3VA9987-0TC20
	2 m		3VA9987-0TC30
	4 m		3VA9987-0TC40
Prefabricated co	nnecting cables for extending the COM060 – T-co	onnector stub connection	
	Length		Article No.
	0.4 m		3VA9987-0TF20
- IN	0.8 m		3VA9987-0TF10
Additional bus te	erminating resistors (spare part)		
	Purpose		Article No.
	For COM800 and COM060		3VA9987-0TE10
Voltage tap for e	external N conductors (spare part)		
	Purpose		Article No.
B 20	Cable for connection of the star point for the mete	ring function of the 8-series ETU, length 1.5 m	3VA9987-0UC10
External current	transformer for N conductors		_
External current	transformer for N conductors Purpose	Rated current I _n	Article No.
External current	Purpose For 3VA2 3-pole molded case circuit breakers,	Rated current I _n 25 150 A	Article No. 3VA9007-0NA10
External current	Purpose For 3VA2 3-pole molded case circuit breakers, for 5 and 8-series ETUs,		
External current	Purpose For 3VA2 3-pole molded case circuit breakers,	25 150 A	3VA9007-0NA10
	Purpose For 3VA2 3-pole molded case circuit breakers, for 5 and 8-series ETUs,	25 150 A 160 350 A	3VA9007-0NA10 3VA9107-0NA10
	Purpose For 3VA2 3-pole molded case circuit breakers, for 5 and 8-series ETUs, including connecting cables	25 150 A 160 350 A	3VA9007-0NA10 3VA9107-0NA10
	Purpose For 3VA2 3-pole molded case circuit breakers, for 5 and 8-series ETUs, including connecting cables transformers as straight-through transformers	25 150 A 160 350 A	3VA9007-0NA10 3VA9107-0NA10 3VA9307-0NA10
	Purpose For 3VA2 3-pole molded case circuit breakers, for 5 and 8-series ETUs, including connecting cables transformers as straight-through transformers Rated current I _n	25 150 A 160 350 A	3VA9007-0NA10 3VA9107-0NA10 3VA9307-0NA10 Article No.
	Purpose For 3VA2 3-pole molded case circuit breakers, for 5 and 8-series ETUs, including connecting cables transformers as straight-through transformers Rated current I _n 25 150 A	25 150 A 160 350 A	3VA9007-0NA10 3VA9107-0NA10 3VA9307-0NA10 Article No. 3VA9077-0NA10
External current	Purpose For 3VA2 3-pole molded case circuit breakers, for 5 and 8-series ETUs, including connecting cables transformers as straight-through transformers Rated current I _n 25 150 A 160 350 A 400 630 A 600 1250 A	25 150 A 160 350 A 400 630 A	3VA9007-0NA10 3VA9107-0NA10 3VA9307-0NA10 Article No. 3VA9077-0NA10 3VA9177-0NA10
External current	Purpose For 3VA2 3-pole molded case circuit breakers, for 5 and 8-series ETUs, including connecting cables transformers as straight-through transformers Rated current I _n 25 150 A 160 350 A 400 630 A	25 150 A 160 350 A 400 630 A	3VA9007-0NA10 3VA9107-0NA10 3VA9307-0NA10 Article No. 3VA9077-0NA10 3VA9177-0NA10 3VA9377-0NA10 3VA9677-0NA10
External current	Purpose For 3VA2 3-pole molded case circuit breakers, for 5 and 8-series ETUs, including connecting cables transformers as straight-through transformers Rated current I _n 25 150 A 160 350 A 400 630 A 600 1250 A	25 150 A 160 350 A 400 630 A	3VA9007-0NA10 3VA9107-0NA10 3VA9307-0NA10 Article No. 3VA9077-0NA10 3VA9177-0NA10 3VA9377-0NA10 3VA9677-0NA10 Article No.
External current	Purpose For 3VA2 3-pole molded case circuit breakers, for 5 and 8-series ETUs, including connecting cables transformers as straight-through transformers Rated current I _n 25 150 A 160 350 A 400 630 A 600 1250 A	25 150 A 160 350 A 400 630 A	3VA9007-0NA10 3VA9107-0NA10 3VA9307-0NA10 Article No. 3VA9077-0NA10 3VA9177-0NA10 3VA9377-0NA10 3VA9677-0NA10

Display

DSP800 displays



For displaying the status and measured values of up to eight devices

- 3VA2 via COM800/100
- 3VA27
- 3WL10 3WL11-13
- PAC3200T

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Article No.

3VA9987-0TD10

External function box

EFB300 external function boxes



- 4 digital outputs for information output
- 1 digital inputZSI functionality

- S0-InterfaceIncluding cable 1.5 m in length

Purpose	Article No.
For connection to the ETU of 3VA2 molded case circuit breakers	3VA9987-0UA10

Connecting cables for EFB300



Length	Purpose	Article No.
1.5 m	For 3VA2 with EFB	3VA9987-0UB10
3.0 m	For 3VA2 with EFB	3VA9987-0UB20
	For 3VA2 with EFB and RCD820	3VA9987-0UB30

lest devices			
TD300 test devices			
	Purpose	Connection	Article No.
	For activation of the ETU and initiation of a test tripping operation	On the front interface of the ETU	3VA9987-0MA10
TD400 test devices			
*	 Energy supply via batteries or the USE USB-C interface for connecting a PC w Bluetooth interface for connection to ETU parameterization Including adapter and connecting cab Including case 	vith powerconfig	
	Purpose	Connection	Article No.
	Initiation of a test tripping operation	On the front interface of the ETU (3VA and IEC 3WL ETU release 2)	3VW9011-0AT40
TD500 test devices			
	 USB interface for connecting a PC wit Including external power supply Including connecting cable to 3VA2 m 		
	Purpose	Connection	Article No.
	Initiation of various test tripping operations (LSING), ETU parameterization	On the front interface of the ETU	3VA9987-0MB10
External power supp	plies for TD500 (spare part)		
1	Voltage		Article No.
	110 240 V		3VA9987-0MX10



Connecting cables for connecting TD500 to 3VA2 molded case circuit breakers (spare part)



Article No. 3VA9987-0MY10

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Locking, blocking and interlocking

					3VA20
					3VA21
			3VA11	3VA12	3VA22
Locking		sible to lock the 3VA molded case circui	t breakers	_	
	in either the OFF or the ON ope Version	rating position.			
	Cylinder lock Key	I (lock number 1)		3VA9980-0VL10	
		3 (lock number 3)		3VA9980-0VL30	
	Key 4	1 (lock number 4)		3VA9980-0VL40	
	Adapter kit for mounting the cylin of the molded case circuit breaker	der lock (type Ronis) in the accessories o	compartment 3VA9157-0LF	0 3VA9257-0LF10	3VA9167-0LF10
	Locking device for toggle operatin	g mechanism	3VAS	088-0LB10	3VA9388-0LB10
Interlocking			_	_	
		t is possible to mutually interlock two o	r more		
	circuit breaker can be operated The following methods of intericircuit breakers: Front interlock	d to ensure that no more than one molo at a time. ocking can be used on 3VA molded case			
	Rear interlockVersion				
	Cylinder lock Key	l (lock number 1)		3VA9980-0VL10	
	Key :	3 (lock number 3)		3VA9980-0VL30	
	Key 4	1 (lock number 4)		3VA9980-0VL40	
	Sliding bar interlock		3VA9158-0VF	3VA9258-0VF30	3VA9168-0VF30
	Module for handle interlock using	a Bowden cable	3VA9157-0VF	10 3VA9257-0VF10	3VA9167-0VF10
	Bowden cable	Length 0.6 m		3VA9980-0VC10	
		Length 1.0 m		3VA9980-0VC20	
		Length 1.5 m		3VA9980-0VC30	
1	Rear interlock with rod	Circuit breaker, fixed-mo	punted	3VA9088-0VM10	
		Plug-in/draw-out techno	logy	3VA9088-0VM30	
	Mounting frame for rear interlock	with rod Profile rails	3VA9088-0VK	10 –	-
		Mounting panels	3VA9158-0VK.	20 3VA9258-0VK20	3VA9268-0VK20

Available from Q1/2020With mounting frame for rear interlock. Can be used with breaker 3VA15 from "E02" and 3VA25 from "E05" (Line protection CB with TMTU, 3-Series ETU and 5-Series ETU)

3VA13							
3VA14							
3VA23	3VA15						
3VA24	3VA25						
		Locking					
		Use in	Locking in OFF position	Locking in ON position	Front mounting	Rear mounting	Interlocked breakers
3VA9980-0VL10	-	Breakers, motor-drive mechanisms, manual	•	•	•	-	-
3VA9980-0VL30	-	operators, withdraw-					
3VA9980-0VL40	-	able technology					
3VA9367-0LF10	3VA9587-0LF10	Circuit breaker	•	•	•	-	_
3VA9388-0LB10	3VA9588-0LB10	Circuit breaker					
3VA9388-ULB1U	3VA9588-ULB1U	Circuit breaker	•	•	•	_	_
		Interlocking					
		Use in	Locking in OFF position	Locking in ON position	Front mounting	Rear mounting	Interlocked breakers
3VA9980-0VL10	-	Breakers, manual				Rear mounting	
3VA9980-0VL30	- -		OFF position	ON position	mounting		breakers
	- - -	Breakers, manual	OFF position	ON position	mounting		breakers
3VA9980-0VL30	- - -	Breakers, manual	OFF position	ON position	mounting		breakers
3VA9980-0VL30 3VA9980-0VL40	- - - -	Breakers, manual operators	OFF position	ON position	mounting		breakers Unlimited
3VA9980-0VL30 3VA9980-0VL40	- - - -	Breakers, manual operators	OFF position	ON position	mounting		breakers Unlimited
3VA9980-0VL30 3VA9980-0VL40	- - - - 3VA9587-0VF10	Breakers, manual operators	OFF position	ON position	mounting		breakers Unlimited
3VA9980-0VL30 3VA9980-0VL40 3VA9368-0VF30	- - - - 3VA9587-0VF10	Breakers, manual operators Circuit breaker	OFF position	ON position	mounting		breakers Unlimited
3VA9980-0VL30 3VA9980-0VL40 3VA9368-0VF30	- - - - 3VA9587-0VF10	Breakers, manual operators Circuit breaker	OFF position	ON position	mounting		breakers Unlimited
3VA9980-0VL30 3VA9980-0VL40 3VA9368-0VF30 3VA9367-0VF10	- - - - 3VA9587-0VF10	Breakers, manual operators Circuit breaker	OFF position	ON position	mounting		breakers Unlimited
3VA9980-0VL30 3VA9980-0VL40 3VA9368-0VF30 3VA9367-0VF10	0-0VC10 0-0VC20	Breakers, manual operators Circuit breaker	OFF position	ON position	mounting		breakers Unlimited
3VA9980-0VL30 3VA9980-0VL40 3VA9368-0VF30 3VA9367-0VF10	0-0VC10	Breakers, manual operators Circuit breaker	OFF position	ON position	mounting		breakers Unlimited
3VA9980-0VL30 3VA9980-0VL40 3VA9368-0VF30 3VA9367-0VF10 3VA9986 3VA9986	0-0VC10 0-0VC20 0-0VC30	Breakers, manual operators Circuit breaker Circuit breaker	OFF position	ON position	mounting	mounting –	breakers Unlimited 3
3VA9980-0VL30 3VA9980-0VL40 3VA9368-0VF30 3VA9367-0VF10	0-0VC10 0-0VC20	Breakers, manual operators Circuit breaker Circuit breaker Circuit breaker, fixed-mounted	OFF position	ON position	mounting		breakers Unlimited
3VA9980-0VL30 3VA9980-0VL40 3VA9368-0VF30 3VA9367-0VF10 3VA9986 3VA9986	0-0VC10 0-0VC20 0-0VC30	Breakers, manual operators Circuit breaker Circuit breaker Circuit breaker	OFF position	ON position	mounting	mounting –	breakers Unlimited 3
3VA9980-0VL30 3VA9980-0VL40 3VA9368-0VF30 3VA9367-0VF10 3VA9986 3VA9986 3VA9986	0-0VC10 0-0VC20 0-0VC30 3VA9588-0VM10 ¹⁾²⁾	Breakers, manual operators Circuit breaker Circuit breaker Circuit breaker, fixed-mounted	OFF position	ON position	mounting	mounting –	breakers Unlimited 3
3VA9980-0VL30 3VA9980-0VL40 3VA9368-0VF30 3VA9367-0VF10 3VA9988 3VA9988 3VA9988 3VA9988	0-0VC10 0-0VC20 0-0VC30 3VA9588-0VM10 ¹⁾²⁾ 3VA9588-0VM10 ¹⁾²⁾	Breakers, manual operators Circuit breaker Circuit breaker Circuit breaker	OFF position	ON position	mounting	mounting –	breakers Unlimited 3
3VA9980-0VL30 3VA9980-0VL40 3VA9368-0VF30 3VA9367-0VF10 3VA9986 3VA9986 3VA9986 3VA9986	0-0VC10 0-0VC20 0-0VC30 3VA9588-0VM10 ¹⁾²⁾ 3VA9588-0VM10 ¹⁾²⁾	Breakers, manual operators Circuit breaker Circuit breaker Circuit breaker	OFF position	ON position	mounting	mounting –	breakers Unlimited 3
3VA9980-0VL30 3VA9980-0VL40 3VA9368-0VF30 3VA9367-0VF10 3VA9988 3VA9988 3VA9980 3VA9980 -	0-0VC10 0-0VC20 0-0VC30 3VA9588-0VM10 ¹⁾²⁾ 3VA9588-0VM10 ¹⁾²⁾	Breakers, manual operators Circuit breaker Circuit breaker Circuit breaker	OFF position	ON position	mounting	mounting –	breakers Unlimited 3
3VA9980-0VL30 3VA9980-0VL40 3VA9368-0VF30 3VA9367-0VF10 3VA9988 3VA9988 3VA9980 3VA9980 -	0-0VC10 0-0VC20 0-0VC30 3VA9588-0VM10 ¹⁾²⁾ 3VA9588-0VM10 ¹⁾²⁾	Breakers, manual operators Circuit breaker Circuit breaker Circuit breaker	OFF position	ON position	mounting	mounting –	breakers Unlimited 3

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Cover frame and mounting

for door cutouts for molded case	e circuit breakers		
Number of poles	Door cut-out with trip unit		
3P	No	3VA9053-0SB10	3VA9253-0SB10
	Yes	3VA9053-0SB20	3VA9253-0SB20
4P	No	3VA9054-0SB10	3VA9254-0SB10
	Yes	3VA9054-0SB20	3VA9254-0SB20
for MO320 motor operators			
Purpose			
MO320 motor operator		3VA9053-0SB20	3VA9257-0SB30
Motor operator with SEO520	stored energy operator	-	-
for RCD320, RCD520 and RCD82	O residual current devices		
Number of poles			
3P		3VA9053-0SB10	3VA9253-0SB10
4P		3VA9054-0SB10	3VA9254-0SB1
for front mounted rotary operat	ors		
		3VA9053-0SB10	3VA9253-0SB1
for door feedthroughs			
for door feedthroughs			3VA9253-0SB20
for door feedthroughs s for cover frame			3VA9253-0SB2
		- 3VA	3VA9253-0SB20
s for cover frame DIN rails for 3VA1 molded case ci	rcuit breakers	- 3VA	_
s for cover frame DIN rails for 3VA1 molded case ci Number of poles	rcuit breakers		_
s for cover frame DIN rails for 3VA1 molded case ci Number of poles 1P	rcuit breakers	3VA9181-0SH10	_
os for cover frame DIN rails for 3VA1 molded case ci Number of poles 1P 2P	rcuit breakers	3VA9181-0SH10 3VA9182-0SH10	_
of or cover frame DIN rails for 3VA1 molded case ci Number of poles 1P 2P 3P and 4P		3VA9181-0SH10 3VA9182-0SH10 3VA9187-0SH10	_
of or cover frame DIN rails for 3VA1 molded case concept to the second		3VA9181-0SH10 3VA9182-0SH10	_
of or cover frame DIN rails for 3VA1 molded case ci Number of poles 1P 2P 3P and 4P		3VA9181-0SH10 3VA9182-0SH10 3VA9187-0SH10	_
DIN rails for 3VA1 molded case concerns and the second sec	RCD310 or RCD510	3VA9181-0SH10 3VA9182-0SH10 3VA9187-0SH10	_
DIN rails for 3VA1 molded case ci Number of poles 1P 2P 3P and 4P 3P and 4P in connection with	RCD310 or RCD510 Number of poles	3VA9181-0SH10 3VA9182-0SH10 3VA9187-0SH10 3VA9187-0SH20	_
DIN rails for 3VA1 molded case ci Number of poles 1P 2P 3P and 4P 3P and 4P in connection with	RCD310 or RCD510 Number of poles 1P	3VA9181-0SH10 3VA9182-0SH10 3VA9187-0SH10 3VA9187-0SH20 3VA9111-0SS10 3VA9111	9087-05X10 - - - -
DIN rails for 3VA1 molded case ci Number of poles 1P 2P 3P and 4P 3P and 4P in connection with	RCD310 or RCD510 Number of poles 1P 2P and 3P (apart from 125 A/160 A with 55 kA and 70 kA)	3VA9181-0SH10 3VA9182-0SH10 3VA9187-0SH10 3VA9187-0SH20 3VA9111-0SS10 3VA9111	9087-05X10 6-0SS10
DIN rails for 3VA1 molded case ci Number of poles 1P 2P 3P and 4P 3P and 4P in connection with	RCD310 or RCD510 Number of poles 1P 2P and 3P (apart from 125 A/160 A with 55 kA and 70 kA) 3P (125 A/160 A with 55 kA and 70 kA) and 4P	3VA9181-0SH10 3VA9182-0SH10 3VA9187-0SH10 3VA9187-0SH20 3VA9111-0SS10 3VA9111	9087-05X10 6-0SS10
DIN rails for 3VA1 molded case ci Number of poles 1P 2P 3P and 4P 3P and 4P in connection with	RCD310 or RCD510 Number of poles 1P 2P and 3P (apart from 125 A/160 A with 55 kA and 70 kA) 3P (125 A/160 A with 55 kA and 70 kA) and 4P 3P	3VA9181-0SH10 3VA9182-0SH10 3VA9187-0SH10 3VA9187-0SH20 3VA9111-0SS10 3VA9111	9087-05X10 6-0SS10
DIN rails for 3VA1 molded case ci Number of poles 1P 2P 3P and 4P 3P and 4P in connection with	RCD310 or RCD510 Number of poles 1P 2P and 3P (apart from 125 A/160 A with 55 kA and 70 kA) 3P (125 A/160 A with 55 kA and 70 kA) and 4P 3P 4P	3VA9181-0SH10 3VA9182-0SH10 3VA9187-0SH10 3VA9187-0SH20 3VA9111-0SS10 3VA9111 	9087-05X10 6-0SS10

	3VA13	
3VA20	3VA14	
3VA21	3VA23	3VA15
3VA22	3VA24	3VA25
3VA9163-0SB10	3VA9383-0SB10	3VA9503-0SB10
3VA9163-0SB20	3VA9363-0SB20	3VA9503-0SB20
3VA9164-0SB10	3VA9384-0SB10	3VA9504-0SB10
3VA9164-0SB20	3VA9364-0SB20	3VA9504-0SB20
3VA9257-0SB30	3VA9387-0SB30	-
3VA9167-0SB30	-	-
3VA9253-0SB10	3VA9303-0SB40	-
3VA9254-0SB10	3VA9304-0SB40	-
3VA9163-0SB10	3VA9383-0SB10	3VA9503-0SB50
31.13.163.632.16	311.5505 05510	317.5303 03530
3VA9253-0SB20	3VA9353-0SB20	
3VA3233-03B20	3VA9333-03B20	
	3VA9087-0SX10	
_	_	_
_	-	-
_	_	_
_	_	_
-	_	_
-	-	-
-	-	-
3VA9126-0SS10	-	-
3VA9124-0SS10	-	-
-	3VA9328-0SS10	3VA9517-0SS10
	-	-
3VA9124-0SS10	3VA9328-0SS10	-

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System overview

For a complete and verified configuration of your molded case circuit breaker, please use our online configurator at www.siemens.com/lowvoltage/configurator-3VA27

Basic units





Handle

Stored energy operator

Trip units





Electronic trip unit (ETU)

Accessories









Communication module

Rating plugs

Breaker Connect module

Test devices and breaker data adapters

Main conductor connections



horizontal

Rear vertical/



Rear broadened



Front extended



Front

broadened



Cable lug

Accessories







Terminal cover

Motors



Spring charging motor

Accessories



Mechanical operating cycles counter (MOC)

Auxiliary releases / closing coils





Undervoltage release (UVR) / Shunt release (ST)

Closing coil (CC) / Remote reset magnet (RR)

Auxiliary switches



Further accessories















Padlockable protective cover

Locking device

Locking mechanism

Door sealing frame

Protective cover

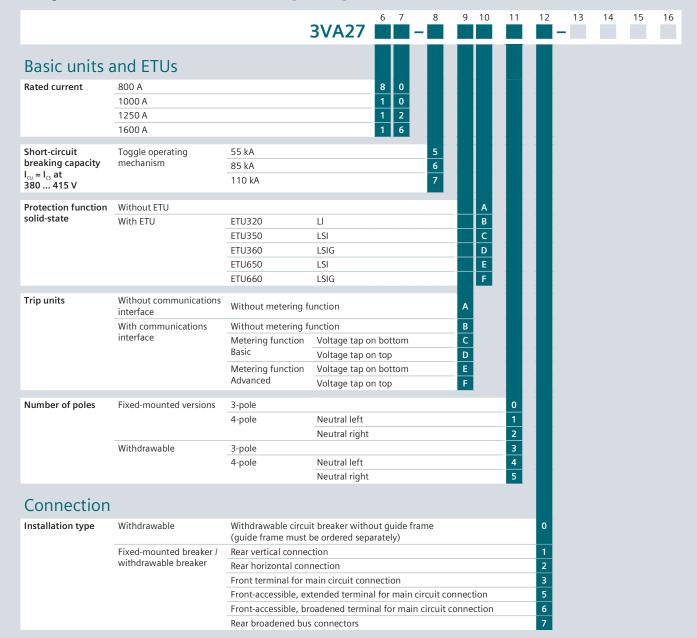
Mutual mechanical interlocking

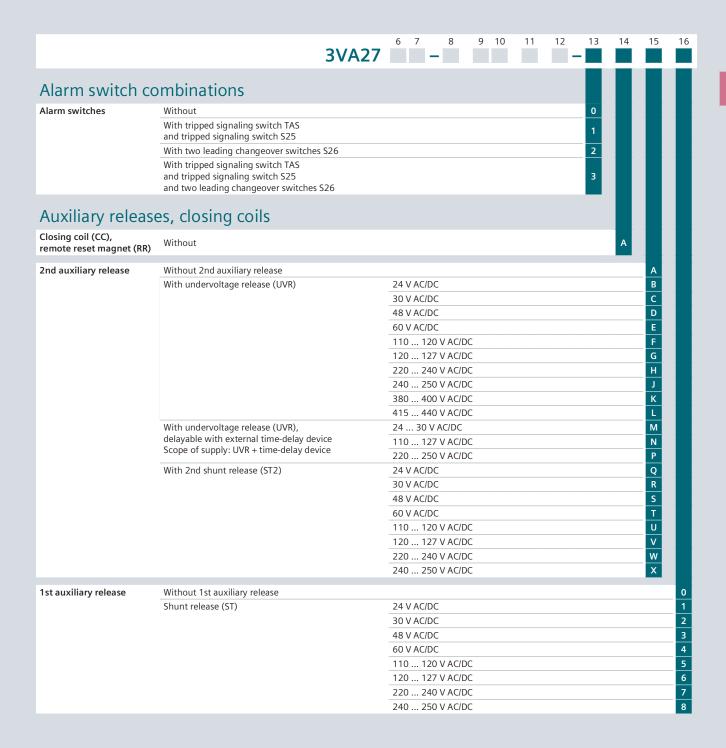
Manual operator

Structure of the article numbers

Basic configuration with toggle operating mechanism 🚄

For a complete and verified configuration of your molded case circuit breaker, please use our online configurator at www.siemens.com/lowvoltage/configurator-3VA27



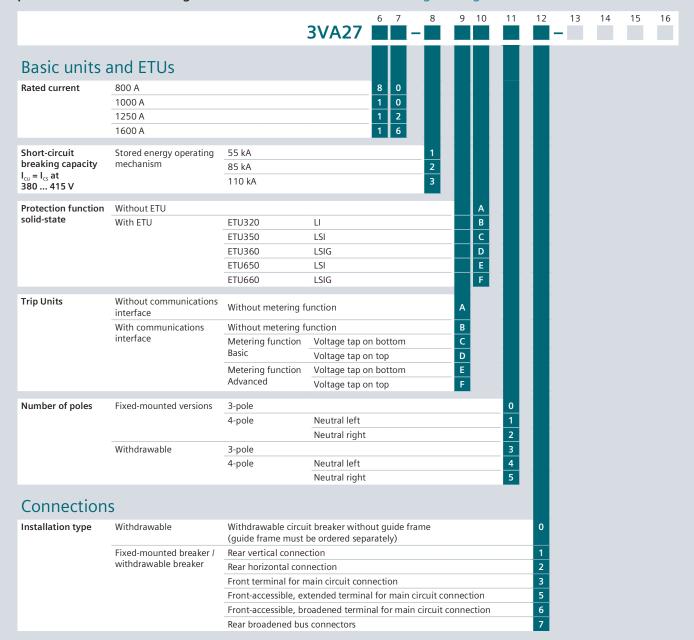


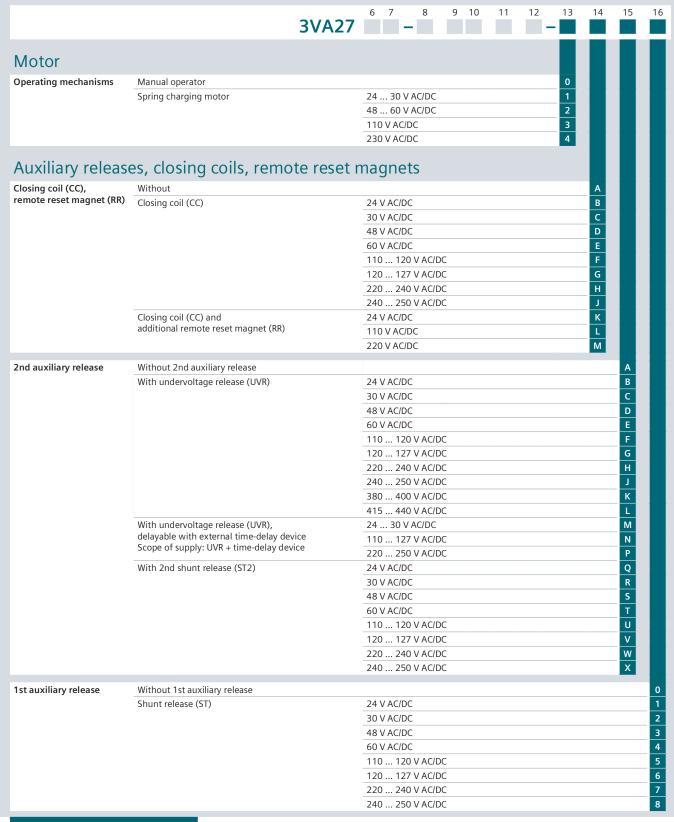
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Structure of the article numbers

Basic configuration with stored energy operating mechanism 9

For a complete and verified configuration of your molded case circuit breaker, please use our online configurator at www.siemens.com/lowvoltage/configurator-3VA27





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indicate the appropriate order code(s).

Accessory options

Configure your molded case circuit breaker easily online at

www.siemens.com/lowvoltage/configurator-3VA27
To specify the options, add "-Z" to the complete Article No. and

Accessories for basic configuration Mounting options for fixed mounting • In the basic configuration, the fixed-mounted circuit breaker is mounted onto the rear panel. Floor mounting is possible as an option. The device must additionally be modified if it is to be extended to include functionalities such as external auxiliary switches or mechanical Mounting options for Floor mounting Mounting support standard 0 fixed mounting1) S 5 6 Mounting support extended 2) ୭ ∡ 5 Rear panel mounting onto mounting plate Side wall extended 2) ୭ ∡ Accessories for electronic trip units ETU Rating plugs • The electronic trip units are equipped as standard with a rating plug for setting the rated current In, which is equal to the maximum rated circuit breaker current (< I_{n max}). The rated current of the selected rating plug must be less than or equal to I_n • To downrate the circuit breaker, a rated current smaller than $I_{n \text{ max}}$ is selected for the rating plug via a Z option. • Other functions can also be activated using rating plugs (L = OFF or Rc protection). For setting the rated current I

Rating plug	For setting the rated current in	For all ETU	400 A	٩	-	R	0	4
			630 A	9		В	0	6
			800 A	9	4	В	0	8
			1000 A	9		В	1	0
			1200 A	9		В	1	2
	For setting the rated current I _n , with overload	For ETU 6-series	400 A	9	_	L	0	4
	protection L = OFF		630 A	9		L	0	6
			800 A	9	4	L	0	8
			1000 A	9		L	1	0
			1250 A	9	4	L	1	2
			1600 A	9	4	L	1	6
	For setting the rated current I _n ,	For ETU660 only	400 A	9		G	0	4
	For enabling the residual current protection function.		630 A	9	4	G	0	6
	The residual current function is only possible with the MF Advanced metering function.		800 A	9	4	G	0	8
	wit Advanced metering function.		1250 A	9	4	G	1	2

Communication modules

- Up to 2 different communication modules can be used at the same time.
- When using an IOM040 digital I/O module (Z option K56), only 1 communication module can be used.

IOM040 digital I/O module

Communication modules	munication modules COM043 Modbus TCP 9		<u>∡</u>	F	1	1		
	COM042	Modbus RTU		ඉ	<u> </u>	F	1	2
Breaker Connect modules • When a circuit breaker with a communications interface is ordered, a Breaker Connect module for external 24 V DC power supply of the								
electronic components is aBy means of this Z option, t		istalled as standard. r module for 24 V DC is replaced by a Breaker Connect modi	ule for 110–240 V AC/DC.					
Breaker Connect module	110 240 V AC/I	DC		ඉ	∡	F	2	6
I/O modules interna	I							

2 inputs, 2 outputs

- ${\bf \underline{9}}$ For molded case circuit breakers with stored energy operating mechanism
- $ule{2}$ For molded case circuit breakers with toggle operating mechanism
- These functionalities can be applied directly to the frame of the withdrawable circuit breaker, without any modification of the side wall.
- 2) Not possible in connection with or as an alternative to the mounting support, standard (A07).

୭ ∡

Order code

3VA27..-....-Z

I/O modules internal

appropriate order code	·	lo. and indicate the				Or	der c	ode
11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5(3).		3VA27		Z			
Accessories for	motors							
5-digit mechanical operat				9	_	С		١,
5-digit illechanical operat	ing cycles counter			۳			ľ	'
Auxiliary switch	hes and signaling swit	ches						
 For currents <100 mA fo The auxiliary/signaling sv minimum load above 	witches for currents >100 mA and up to 4 or PLC connections, these auxiliary and sig witches for 24 V DC digital signals are des 1 mA at 5 V DC, and a apacity of 100 mA at 24 V DC.	naling switches can be				ı		
Position signaling switche	es for guide frames	2 CO 2 CO 2 CO (co	onnected test disconnected position)	9	<u> </u>	К	5	5
Signaling switch	Ready-to-close signaling		1 CO contact digital 24 V DC	9	-	К	5	0
	Tripped signaling switch (S24)		1 CO contact digital 24 V DC	9	∡	К	5	3
	Spring charged signaling switch (S2	1)	1 CO contact digital 24 V DC	9	-	K	5	4
Auxiliary switch	On / Off AUX	4 CO contacts digital 2	24 V DC	9	<u> </u>	К	5	
		2 CO contacts 400 V A	AC, and 2 CO contacts digital 24 V DC	9	4	K	5	2
Locking, blocki	ng and interlocking	2 CO contacts 400 V A	AC, and 2 CO contacts digital 24 V DC	9	∡	К	5	2
Locking, blocki	To prevent movement of	2 CO contacts 400 V /	AC, and 2 CO contacts digital 24 V DC Made by Ronis	9		R	7	8
•			Made by Ronis		<u> </u>	ı		
•	To prevent movement of	Cylinder lock For no more than three	Made by Ronis	9	<u> </u>	R	7	8
Locking devices	To prevent movement of withdrawable circuit breaker To prevent movement to disconnect	Cylinder lock For no more than thre ted position	Made by Ronis ee 8-mm padlocks	9	<u> </u>	R R R	7 6 7	8 5 9
Locking devices	To prevent movement of withdrawable circuit breaker To prevent movement to disconnect	Cylinder lock For no more than thre ted position	Made by Ronis ee 8-mm padlocks y Ronis	9	<u>∠</u>	R R	7	8 5 9
Locking devices Locking mechanism	To prevent movement of withdrawable circuit breaker To prevent movement to disconnect To prevent unauthorized activation	Cylinder lock For no more than thre ted position Cylinder lock, made b	Made by Ronis ee 8-mm padlocks y Ronis adlocks, plastic 4 mm	9 9	∡ ∡ -	R R R	7 6 7	8 5 9 8
Locking devices Locking mechanism	To prevent movement of withdrawable circuit breaker To prevent movement to disconnect To prevent unauthorized activation	Cylinder lock For no more than three ted position Cylinder lock, made b For no more than 3 pa	Made by Ronis ee 8-mm padlocks y Ronis adlocks, plastic 4 mm adlock, metal 7 mm	9 9 9	<u>∡</u> <u>∡</u> 	R R R S	7 6 7 0	8 5 9
Locking devices Locking mechanism	To prevent movement of withdrawable circuit breaker To prevent movement to disconnect To prevent unauthorized activation	Cylinder lock For no more than three ted position Cylinder lock, made b For no more than 3 pa	Made by Ronis ee 8-mm padlocks y Ronis adlocks, plastic 4 mm adlock, metal 7 mm adlocks, metal 8 mm		<u>4</u>	R R R S S S	7 6 7 0 2 2	8 5 9 8 2 3
Locking devices Locking mechanism Locking device	To prevent movement of withdrawable circuit breaker To prevent movement to disconnect To prevent unauthorized activation in the operator panel (safe OFF)	Cylinder lock For no more than three ted position Cylinder lock, made b For no more than 3 po For no more than 2 po For no more than 2 po	Made by Ronis ee 8-mm padlocks y Ronis adlocks, plastic 4 mm adlocks, metal 7 mm adlocks, metal 8 mm adlocks, plastic 4 mm		<u>4</u> <u>4</u>	R R R S S S S S S S	7 6 7 0 2	8 5 9 8
Locking devices Locking mechanism Locking device Padlockable protective	To prevent movement of withdrawable circuit breaker To prevent movement to disconnect To prevent unauthorized activation in the operator panel (safe OFF) For mechanical ON and/or OFF on	Cylinder lock For no more than three ted position Cylinder lock, made b For no more than 3 pa For no more than 2 pa For no more than 3 pa For no more than 3 pa	Made by Ronis ee 8-mm padlocks y Ronis adlocks, plastic 4 mm adlock, metal 7 mm adlocks, metal 8 mm adlocks, plastic 4 mm adlocks, plastic 4 mm		<u>4</u>	R R R S S S	7 6 7 0 2 2	8 5 9 8 2 3
Locking devices Locking mechanism Locking device Padlockable protective	To prevent movement of withdrawable circuit breaker To prevent movement to disconnect To prevent unauthorized activation in the operator panel (safe OFF) For mechanical ON and/or OFF on	Cylinder lock For no more than three ted position Cylinder lock, made b For no more than 3 pa For no more than 1 pa For no more than 2 pa	Made by Ronis ee 8-mm padlocks y Ronis adlocks, plastic 4 mm adlock, metal 7 mm adlocks, metal 8 mm adlocks, plastic 4 mm adlocks, plastic 4 mm		<u>∠</u>	R R R S S S S S S S	7 6 7 0 2 2 2 0 4 4	8 5 9 8 2 3 7 2

 $^{{\}bf \underline{9}}$ For molded case circuit breakers with stored energy operating mechanism

 $[\]underline{\ensuremath{ \angle}}$ For molded case circuit breakers with toggle operating mechanism

Guide frames

Guide frames for ordering separately without circuit breakers

3VA27



- Guide frames without breakers up to 1250 A
- Note: All CB bus modules for communication COM04x / IOM300 / Breaker Connect module, as well as COMPSS signaling switches are configured without frames in the withdrawable circuit breaker and defined there by means of Z options, and are included with the switching device. PSS Standard is always included in the frame and can be changed to an electronics-capable signal by means of a Z option.

Number of poles	Connection type	Article No.
3-pole	Rear vertical	3VW8116-7AA01
	Rear horizontal	3VW8116-7AB01
	Front straight bus connectors extended	3VW8116-7AE01
	Broadened bus connectors	3VW8116-7AF01
	Rear broadened bus connectors	3VW8116-7AG01
4-pole	Rear vertical	3VW8116-7BA01
	Rear horizontal	3VW8116-7BB01
	Front straight bus connectors extended	3VW8116-7BE01
	Broadened bus connectors	3VW8116-7BF01
	Rear broadened bus connectors	3VW8116-7BG01

To specify the options, add "-Z" to the complete Article No. the appropriate order code(s).			3VW8Z			Order code		
Locking, blocking and interlocking								
Locking device	To prevent movement of withdrawable circuit breaker	Cylinder lock, made by Ronis	9	∡		R	7	8
		For no more than 3 8-mm padlocks	9	∡		R	6	5
Locking mechanism	To prevent movement to disconnected position (only in combination with R78 or R65)		9	4		R	7	9
Auxiliary/signaling switches								
Position signaling switch PSS for guide frame	For 24 V DC digital signals, for minimum currents	2 CO 2 CO 2 CO (connected test disconnected position)	9	∡		К	5	5

Auxiliary and signaling switches for currents >100 mA and up to 400 V AC are installed as standard. For currents <100 mA for PLC connections, these auxiliary and signaling switches can be modified. The auxiliary/signaling switches for 24 V DC digital signals are designed for

- a minimum load above 1 mA at 5 V DC, and
- a maximum breaking capacity of 100 mA at 24 V DC.

 $^{{\}bf \underline{9}}$ For molded case circuit breakers with stored energy operating mechanism