

Molded Case Circuit Breakers

**NEW**

Direct reference to the products in the Industry Mall from the selection and ordering data tables:

Article No.
[www.siemens.com/
 product?Article No.](http://www.siemens.com/product?ArticleNo.)

Paper catalog:
 To get more
 product information
 enter the Web
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 Article No.

3KD2832-0NE10-0



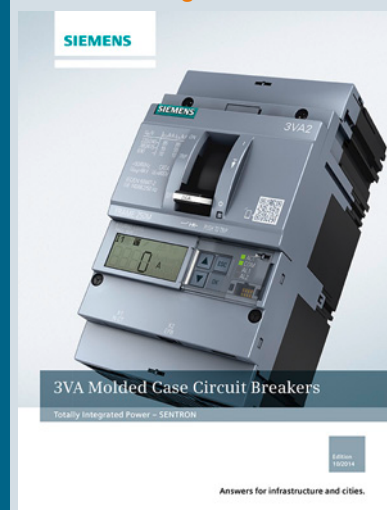
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2/2	3VA molded case circuit breakers NEW General data
2/4	3VL molded case circuit breakers up to 1600 A, IEC Introduction
2/10	General data
2/14	3-pole
2/38	4-pole
2/59	Options
2/63	Accessories and spare parts
Ch. 10	Busbar device adapters and device holders from 630 A to 1600 A
Ch. 11	4NC current transformers
Ch. 12	3KC ATC5300 transfer control devices
Ch. 12	Residual current devices (MRCD) NEW

2

For further information:

See **3VA molded case circuit breakers catalog**

**For further technical product information:**

Service & Support Portal:

www.siemens.com/lowvoltage/product-support

→ Product List:
 Technical specifications

→ Entry List:
 Certificates / Characteristics /
 Download / FAQ / Manuals /
 Updates

Molded Case Circuit Breakers

3VA Molded Case Circuit Breakers

General data

Overview

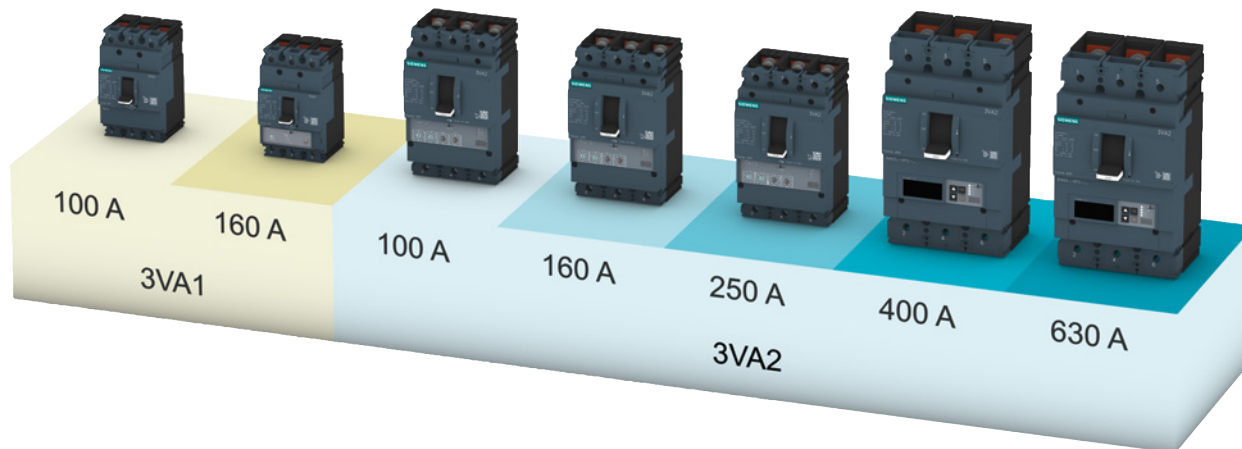
Sizes

The integrated 3VA portfolio consists of two different series of molded case circuit breakers in five different rated operational current versions (sizes).

The new 3VA molded case circuit breakers set new standards in flexibility and the variety of modular accessories available. Standardized accessories suitable for use with several sizes of circuit breaker from all the 3VA ranges help to cut costs and save time.

The new 3VA1 molded case circuit breakers are available in 1 to 4-pole versions (3VA1 160 A) or in 3 and 4-pole versions (3VA1 100 A). The new 3VA2 molded case circuit breakers are available in 3 and 4-pole versions.

The circuit breakers are available with rated operational currents ranging from 16 A to 630 A and rated voltages up to 690 V, depending on the series and size.



3VA1 molded case circuit breakers

The new 3VA1 molded case circuit breakers reliably perform all the tasks required for line protection.

Characteristics

The key features of the 3VA1 series are:

- Compact design
- Depending on size: 1-pole to 4-pole versions
- Depending on size: Breaking capacity of 16 kA ... 70 kA at 415 V, 3 or 4-pole breakers and 36 kA at 240 V, 1-pole breakers
- Fixed-mounted, plug-in version
- Thermal-magnetic trip units
- AC/DC applications
- No derating up to +50 °C
- Modular and easy-to-fit internal accessories with diverse functions
- Uniform accessories platform across all 3VA molded case circuit breakers

3VA2 molded case circuit breakers

The new 3VA2 molded case circuit breakers reliably perform all the tasks required for line and generator protection.

This series is designed for applications with increased requirements:

- Increased breaking capacity
- Very good selective protection response
- Integrated metering function
- Connection to a fieldbus communication system

Characteristics

The most important features of the 3VA2 series are:

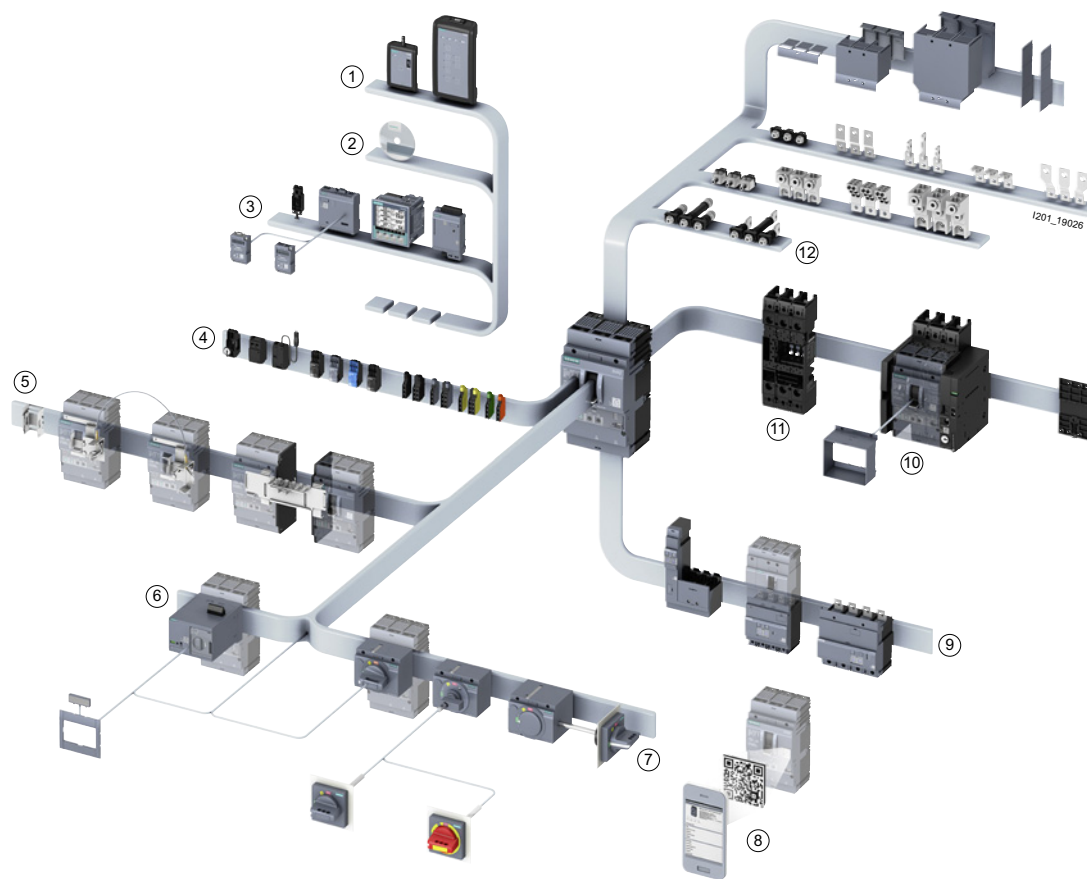
- Compact design
- 3 and 4-pole versions
- Four breaking capacity classes from 55 kA ... 150 kA
- Fixed-mounting, plug-in technology, draw-out technology
- Depending on size: Selective protection response in rated operational current interval 1 : 2.5
- Electronic Trip Units
- Retrofittable communication for ETU 5-series and 8-series
- Depending on the ETU: Integrated metering function
- AC applications
- No derating up to +50 °C
- Modular and easy-to-fit internal accessories with diverse functions
- Uniform accessories platform across all 3VA molded case circuit breakers

Integrated system

When it comes to operation, functionality and installation, the new 3VA series of molded case circuit breakers is a fully integrated system. This principle is embodied in the basic units and in all internal and external accessories.

The benefits offered by the internal and external accessories available for the 3VA molded case circuit breakers are:

- Standardized methods of operation
- Standardized scope of functions
- Standardized installation procedures
- Standardized accessories from 100 A ... 630 A (e.g. auxiliary switches, auxiliary releases, etc.)



- | | |
|----------------------------|----------------------------|
| ① Test devices | ⑦ Manual operators |
| ② powerconfig software | ⑧ Knowledge Manager |
| ③ Communication | ⑨ Residual current devices |
| ④ Internal accessories | ⑩ Draw-out technology |
| ⑤ Locking and interlocking | ⑪ Plug-in technology |
| ⑥ Motor operator | ⑫ Connection technology |








You will find further information and also selection and ordering data in the 3VA molded case circuit breakers catalog with the Article No. E86060-K8220-E480-A4-7600.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Introduction

Overview








Devices	Page	Applications/ Individual components	Standards	Used in		
				Non-residential buildings	Residential buildings	Industry
 <p>3VL molded case circuit breakers for system protection</p> <p>3VL molded case circuit breakers for generator protection</p>	2/14 ... 2/29, 2/38 ... 2/55	<p>The overload and short-circuit releases are designed for the protection of cables, leads and non-motor loads.</p> <p>The overload and short-circuit releases can be used for optimized protection of generators.</p>	IEC 60947-1, EN 60947-1, IEC 60947-2, EN 60947-2.	✓	✓	✓
 <p>3VL molded case circuit breakers for motor protection</p>	2/30 ... 2/33	Circuit breakers for motor protection are specifically designed for the characteristic curve of the motor, and have additional functions such as phase failure detection and adjustable trip class.	IEC 60947-1, EN 60947-1, IEC 60947-2, EN 60947-2. IE3 ready	✓	✓	✓
 <p>3VL molded case circuit breakers for starter protection</p>	2/34, 2/35	Starter combinations consist of: Motor starter protector + contactor + overload relay. The motor starter protector provides short-circuit protection and the isolating function. The task of the contactor is the operational switching of the feeder. The overload relay provides overload protection, which is specifically designed for the motor.	IEC 60947-1, EN 60947-1, IEC 60947-2, EN 60947-2. IE3 ready	✓	✓	✓
 <p>3VL non-automatic circuit breakers, molded case</p>	2/34, 2/35, 2/56, 2/57	These circuit breakers are used as feeder circuit breakers, main control switches or disconnectors without overload protection. They have fixed short-circuit releases.	IEC 60947-1, EN 60947-1, IEC 60947-2, EN 60947-2. Isolating features according to IEC 60947-2 and EN 60947-2.	✓	✓	✓
 <p>Auxiliary switches and auxiliary releases for 3VL molded case circuit breakers</p>	2/63, 2/64	Auxiliary switches, alarm switches, undervoltage releases and shunt releases	As for circuit breakers	✓	✓	✓
 <p>Operating mechanisms</p>	2/66 ... 2/73	<p>The manual operating mechanisms are available in two versions:</p> <ul style="list-style-type: none"> • Front-operated rotary operating mechanisms, • Door-coupling rotary operating mechanism <p>In the case of the motorized operating mechanisms there are also two versions:</p> <ul style="list-style-type: none"> • MO for standard applications • SEO for network synchronization tasks 	As for circuit breakers	✓	✓	✓
 <p>Plug-in versions/ withdrawable versions</p>	2/74 ... 2/79	Assembly in plug-in and withdrawable versions allows the 3VL molded case circuit breaker to be replaced quickly without accessing the terminals.	As for circuit breakers	✓	✓	✓

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Introduction

2

Devices	Page	Applications/ Individual components	Standards	Used in			
				Non-residential buildings	Residential buildings	Industry	
	RCD modules	2/80	Protection of plant and personnel against damage or injury caused by residual currents and insulation faults	IEC EN 60947-2 (Annex B)	✓	✓	✓
	Residual current devices (MRCD)	Ch. 12	Modular residual current devices (MRCD) monitor residual currents in electrical systems and trip the molded case circuit breaker via an auxiliary release after an adjustable advance warning if the residual current exceeds a defined value.	IEC EN 60947-2 (Annex M)	✓	✓	✓
	Connection parts for fixed-mounted circuit breakers	2/81 ... 2/86	Front connecting bars, rear terminals, box terminals, circular conductor terminals, multiple feed-in terminals, auxiliary conductor terminals, terminal plates, connections with screw terminals, terminal covers for circuit breakers, phase barriers for circuit breakers	As for circuit breakers	✓	✓	✓
	Interlocks	2/87 ... 2/92	Locking devices for toggle levers, rear interlocking modules, interlocking modules for Bowden wire interlocking	As for circuit breakers	✓	✓	✓
	Transfer control devices 3KC ATC5300	Ch. 12	The transfer control device, equipped with two motor-driven circuit breakers, serves as a transfer system that automatically or manually switches between two power supply systems in low-voltage power distribution applications.	IEC 60947-6-1 DIN VDE 0660-114 UL 508 CSA 22.2 No. 14	✓	✓	✓
	40 mm busbar systems and 60 mm busbar systems	Ch. 10	Busbar adapters	As for circuit breakers	✓	✓	✓
	Accessories for communication	2/95	Data transmission through COM20, COM21: COM20 (PROFIBUS) for Electronic Trip Units with communication function, COM21 (MODBUS) for Electronic Trip Units with communication function, powerconfig parameterization software	As for circuit breakers	✓	✓	✓
	Further accessories	2/96 ... 2/99	Masking frames (cover frames) for door cutouts, to increase degree of protection	As for circuit breakers	✓	✓	✓

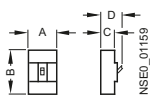
Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Introduction

2



Type		VL160X/3VL1	VL160/3VL2	VL250/3VL3	VL400/3VL4
Molded case circuit breakers					
3VL molded case circuit breakers up to 1600 A					
Rated current I_n at 50 °C ambient temperature	A	16 ... 160	50 ... 160	200 ... 250	200 ... 400
Number of poles		3 4	3 4	3 4	3 4
Rated operational voltage U_e 50/60 Hz AC DC ¹⁾	V	690 500	690 500 ²⁾	690 600	690 600
Electronic Trip Units					
Thermal-magnetic		✓	✓	✓	✓
Electronic LCD ETU/ETU		--	✓	✓	✓
PROFIBUS module COM20		--	✓	✓	✓
Dimensions					
					
A	mm	105	139	105	139
B	mm	157	157	175	175
C	mm	81	81	81	81
D	mm	107	107	107	107
Breaking capacity I_{cu}/I_{cs}					
RMS value according to IEC 60947-2					
Standard breaking capacity N³⁾					
Up to 240 V AC	kA	65/65	65/65	65/65	65/65
Up to 415 V AC	kA	55/55	55/55	55/55	55/55
Up to 440 V AC	kA	25/20	25/20	25/20	35/26
Up to 500/525 V AC	kA	18/14	25/20	25/20	25/20
Up to 690 V AC	kA	8/4 ⁴⁾	12/6	12/6	15/8
Up to 250 V DC ⁵⁾	kA	30/30	32/32	32/32	32/32
Up to 500 V DC ⁵⁾	kA	--	--	--	--
Up to 600 V DC ⁵⁾	kA	--	--	--	--
NEMA breaking capacity⁶⁾					
Up to 480 V AC	kA	25	25	25	35
Up to 600 V AC	kA	8 ⁴⁾	12	12	20
High breaking capacity H³⁾					
Up to 240 V AC	kA	100/75	100/75	100/75	100/75
Up to 415 V AC	kA	70/70	70/70	70/70	70/70
Up to 440 V AC	kA	42/32	50/38	50/38	50/38
Up to 500/525 V AC	kA	30/23	40/30	40/30	40/30
Up to 690 V AC	kA	12/6 ⁴⁾	12/6	12/6	15/8
Up to 250 V DC ⁵⁾	kA	30/30	32/32	32/32	32/32
Up to 500 V DC ⁵⁾	kA	30/30	32/32	32/32	32/32
Up to 600 V DC ⁵⁾	kA	--	--	--	--
NEMA breaking capacity⁶⁾					
Up to 480 V AC	kA	42	50	50	50
Up to 600 V AC	kA	12 ⁴⁾	12	12	20
Very high breaking capacity L³⁾					
Up to 240 V AC	kA	--	200/150	200/150	200/150
Up to 415 V AC	kA	--	100/75	100/75	100/75
Up to 440 V AC	kA	--	75/50	75/50	75/50
Up to 500/525 V AC	kA	--	50/38	50/38	50/38
Up to 690 V AC	kA	--	12/6	12/6	15/8
Up to 250 V DC ⁵⁾	kA	--	32/32	32/32	32/32
Up to 500 V DC ⁵⁾	kA	--	32/32	32/32	32/32
Up to 600 V DC ⁵⁾	kA	--	32/32	32/32	32/32
NEMA breaking capacity⁶⁾					
Up to 480 V AC	kA	--	75	75	75
Up to 600 V AC	kA	--	12	12	20

✓ Available
-- Not available

¹⁾ Rated DC voltage applies only for circuit breakers with thermal-magnetic trip unit.

²⁾ For PV applications up to $U_{oc} = 1000$ V DC.

For 3VL molded case circuit breakers according to UL 489, see [Catalog LV 16](#).

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Introduction

2



VL630/3VL5



VL800/3VL6



VL1250/3VL7



VL1600/3VL8

3VL molded case circuit breakers up to 1600 A

315 ... 630		800		1000 ... 1250		1600	
3	4	3	4	3	4	3	4
690	690	690	690	690	690	690	690
600	600	--	--	--	--	--	--
✓	✓	--	--	--	--	--	--
✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓
190	253	190	253	229	305	229	305
279	279	406	406	406	406	406	406
102	102	114	114	152	152	152	152
138	138	151	151	207	207	207	207

65/65	65/65	65/35	65/35
55/55	55/55	55/28	55/28
35/26	35/26	35/26	35/26
25/20	25/20	25/20	25/20
20/10	20/10	20/10	20/10
30/30	--	--	--
--	--	--	--
--	--	--	--
25	25	25	25
20	20	20	20

100/75	100/75	100/50	100/50
70/70	70/70	70/35	70/35
50/38	50/38	50/38	50/38
40/30	40/30	40/30	40/30
20/10	20/10	30/15	30/15
30/30	--	--	--
30/30	--	--	--
--	--	--	--
50	50	50	50
30	30	30	30

200/150	200/150	200/100	200/100
100/75	100/75	100/50	100/50
75/50	75/50	75/50	75/50
50/38	50/38	50/38	50/38
20/10	20/10	35/17	35/17
30/30	--	--	--
30/30	--	--	--
30/30	--	--	--
65	65	65	65
35	35	35	35

³⁾ At 240 V AC, 415 V AC, 525 V AC and 690 V AC max. 5 % overvoltage, at 440 V AC and 500 V AC max. 10 % overvoltage, at 250/500/600 V DC max. 5 % overvoltage.

⁴⁾ Rated current $I_n \geq$ at 25 A.

⁵⁾ The maximum permitted DC voltage for each conducting path needs to be taken into account for DC switching applications; see Technical Information at www.siemens.com/lowvoltage/product-support; time constant $t = 15$ ms.

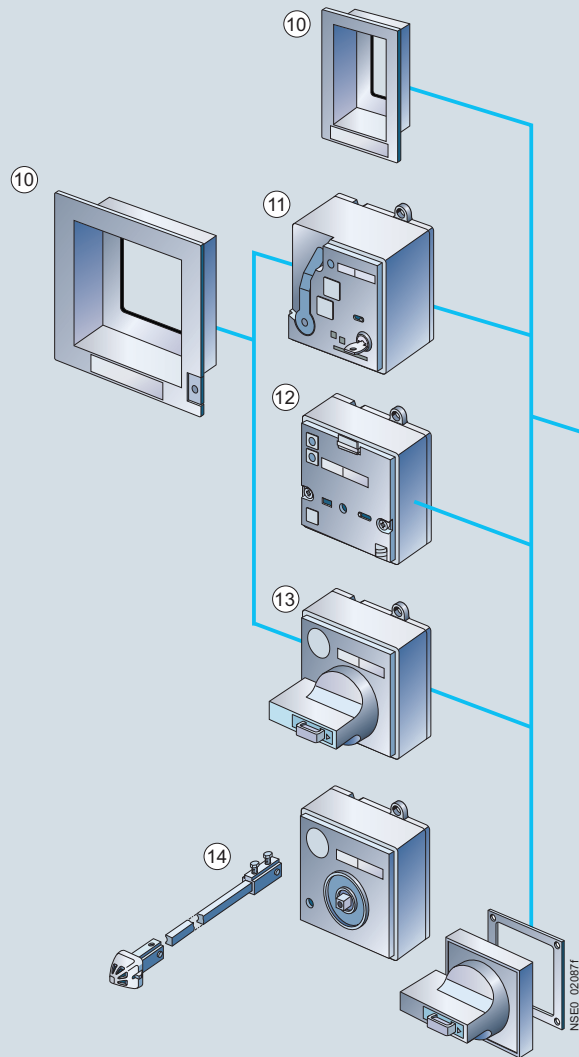
⁶⁾ The NEMA breaking capacity can be found on the rating plate of each IEC circuit breaker.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Introduction

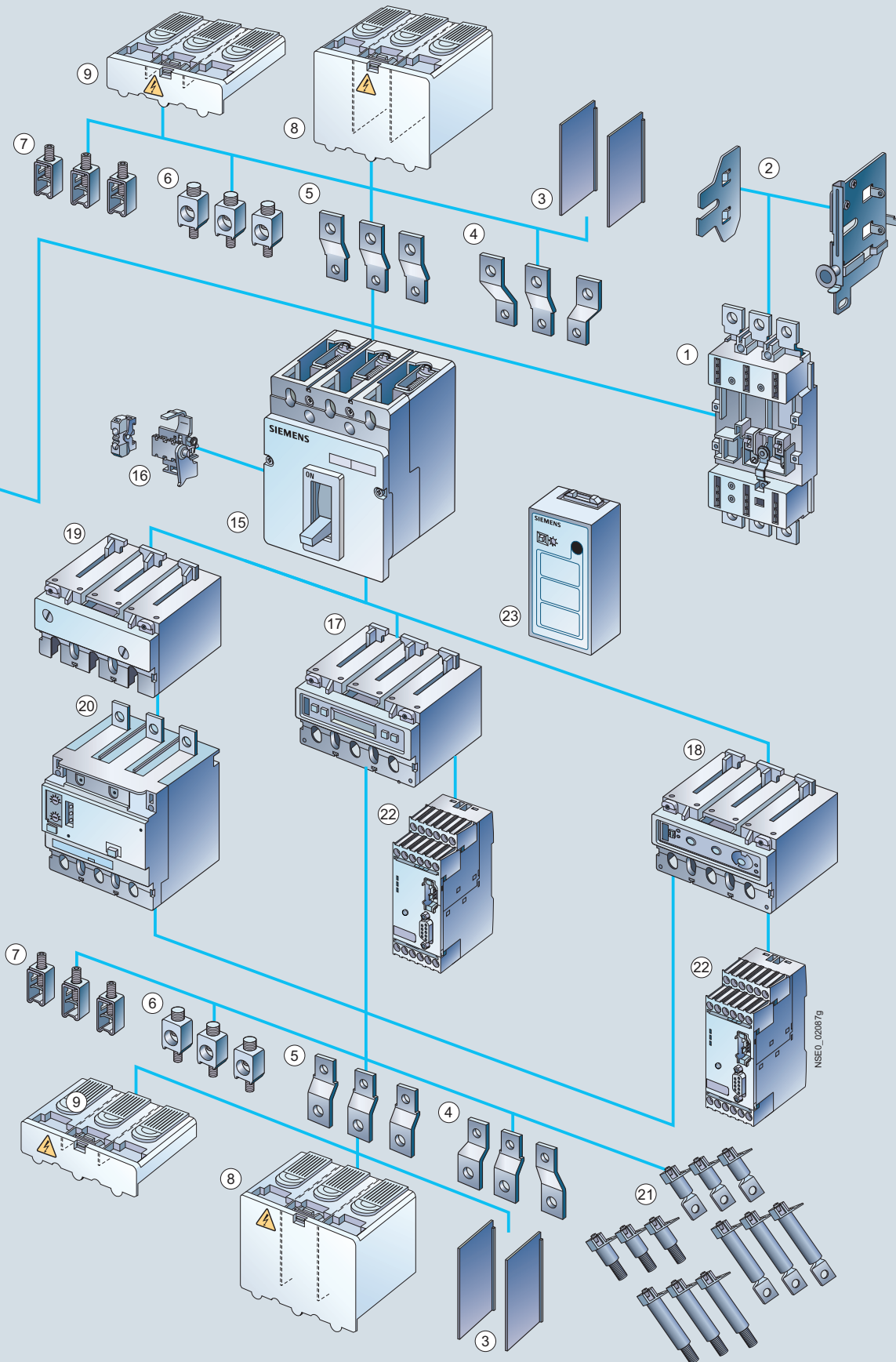
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- ① Withdrawable/plug-in bases (pages 2/74 to 2/79)
- ② Side walls of withdrawable unit (pages 2/74 to 2/79)
- ③ Phase barriers (pages 2/81 to 2/86)
- ④ Flared front busbar connecting bars (pages 2/81 to 2/86)
- ⑤ Straight connecting bars (pages 2/81 to 2/86)
- ⑥ Circular conductor terminals for Al/Cu (pages 2/81 to 2/83)
- ⑦ Box terminals for Cu (pages 2/81 to 2/86)
- ⑧ Extended connection covers (terminal covers) (pages 2/81 to 2/86)
- ⑨ Standard connection covers (pages 2/81 to 2/86)
- ⑩ Masking frames/cover frames for door cutout (pages 2/96 to 2/99)
- ⑪ Motorized operating mechanisms with stored energy mechanism (SEO) (page 2/70)
- ⑫ Motorized operating mechanism (MO) (page 2/70)
- ⑬ Front-operated rotary operating mechanisms (pages 2/66 to 2/69)
- ⑭ Door-coupling rotary operating mechanisms (pages 2/66 to 2/69)
- ⑮ 3VL molded case circuit breakers (pages 2/14 to 2/57)
- ⑯ Internal accessories (pages 2/61, 2/62, 2/63 to 2/65)
- ⑰ Electronic Trip Units LCD ETU (pages 2/24, 2/28, 2/32, 2/48 and 2/50)
- ⑱ Electronic Trip Units with communication function (pages 2/16 to 2/32 and 2/44 to 2/54)
- ⑲ Thermal/magnetic overcurrent releases (pages 2/14 to 2/16, 2/34, 2/38 to 2/42, 2/56)
- ⑳ RCD modules (page 2/80)
- ㉑ Rear terminals – flat and round (pages 2/81 to 2/86)
- ㉒ COM20/21 communication modules to the PROFIBUS DP/MODBUS (page 2/95)
- ㉓ Battery power supplies with test function for Electronic Trip Units (pages 2/88 to 2/92)

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC



Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

General data

Benefits

- The compact design of the 3VL molded case circuit breakers coupled with excellent characteristics fulfills the high demands of today's electrical distribution systems.
- These circuit breakers offer a broad product range, improved technology, space savings and easy operation.
- They are available both in thermal-magnetic (16 A to 630 A) and in electronic versions (63 A to 1600 A).

Communication

The use of modern communication-capable circuit breakers opens up completely new possibilities in terms of start-up, parameterization, diagnostics, maintenance and operation. This allows many different ways of reducing costs and improving productivity in industrial plants, buildings and infrastructure projects to be achieved:

- Fast and reliable parameterization
- Timely information and response can prevent plant stoppages
- Effective diagnostics management

Measured values are the basis for efficient load management, for drawing up power demand profiles and for assigning power to cost centers.

Communication:

- For molded case circuit breakers with communication function, [see pages 2/16 to 2/32, 2/44 to 2/54](#).
- For accessories, [see page 2/95](#).
- For more information, [see also chapters "Measuring Devices and Power Monitoring" and "Software"](#).

Application

The different versions of 3VL molded case circuit breakers are suitable for the following applications:

- Incoming and outgoing circuit breakers in distribution systems
- Switching and protection devices for motors, transformers and capacitors
- Disconnecter units with features for stopping and switching off in an emergency (main control switches and EMERGENCY-STOP switches) in conjunction with lockable rotary operating mechanisms and terminal covers.

The 3VL molded case circuit breakers are available in the following versions:

1. For system protection (in 3- and 4-pole versions)
The overload and short-circuit releases are designed for the protection of cables, leads and non-motor loads.
2. For motor protection (in 3-pole version)
The overload and short-circuit releases are designed for optimized protection and direct-on-line starting of induction squirrel-cage motors. The circuit breakers for motor protection are susceptible to phase failure and feature an adjustable trip class. The Electronic Trip Units operate with a microprocessor.
3. For starter combinations (in 3-pole version)
These circuit breakers are used both for short-circuit protection as well as for isolating functions, which may be required in starter combinations consisting of motor starter protectors, overload relays and motor contactors. These circuit breakers exclusively feature adjustable, instantaneous short-circuit releases.
4. As non-automatic air circuit breakers (in 3- and 4-pole versions)
These circuit breakers can be used as feeder circuit breakers, main control switches or non-automatic circuit breakers without overload protection. They incorporate an integrated short-circuit self-protection system, eliminating the need for back-up fuses.

Breaking capacity

- N** Circuit breakers with standard breaking capacity N (I_{cu} up to 55 kA at 415 V)
- H** Circuit breakers with high breaking capacity H (I_{cu} up to 70 kA at 415 V)
- L** Circuit breakers with very high breaking capacity L (I_{cu} up to 100 kA at 415 V)

These breaking capacities are indicated in the corresponding tables by the symbols shown on orange backgrounds.

Standards and specifications

3VL molded case circuit breakers comply with:

IEC 60947-1, EN 60947-1,
VDE 0660-100,
IEC 60947-2, EN 60947-2,
VDE 0660-101.

Isolating features according IEC 60947-2, EN 60947-2.

Disconnecting features (main control switches) according to DIN EN 60204 (VDE 0113).

The 3VL molded case circuit breakers comply in addition with requirements for "disconnecter units with features for stopping and switching off in an emergency" (EMERGENCY-STOP switches) in conjunction with lockable rotary operating mechanisms (red-yellow) and terminal covers.

Please contact Siemens for details of other standards.

The Electronic Trip Units of the circuit breakers for motor protection also fulfill IEC 60947-4-1, VDE 0660-102.

VL160X to VL400 circuit breakers can be equipped with a 3VL RCD module. They then comply with IEC 60947-2 Appendix B.

The 3VL RCD module complies with IEC 61000-4-2 to IEC 61000-4-6, IEC 61000-4-11 and EN 55011, Class B (equivalent to CISPR 11) with regard to electromagnetic compatibility.

Operating conditions

The 3VL molded case circuit breakers are designed for operation in enclosed areas.

Suitable enclosures must be provided for operation in areas with severe ambient conditions (such as dust, caustic vapors, hazardous gases).

The incoming and outgoing terminals for the circuit breaker can be freely selected. The electrical data remains unaffected.

IE3 ready

As from January 2015, the energy-efficiency class IE3 will be mandatory, with a few exceptions only, for three-phase asynchronous motors. This will have an effect on motors, low-voltage power distribution and electrical installation technology, as well as industrial controls.

For use of 3VL molded case circuit breakers in conjunction with highly energy-efficient IE3 motors, please observe the information on dimensioning and configuring, [see "Configuration Manual for SIRIUS Controls with IE3 Motors"](#), at <http://support.automation.siemens.com/WWW/view/en/94770820>.

RCD modules

The RCD module is designed for retrofitting to the circuit breaker. It can also be retrofitted by the customer.

The combination of 3VL molded case circuit breaker and RCD module can be fed from the top or bottom.

All 3VL molded case circuit breakers with RCD modules are available with auxiliary switches, alarm switches, undervoltage and shunt releases.

Protection of plant and equipment against overload or damage by ground faults (ground-fault protection).

The RCD module trips the circuit breaker through vectorial summation current formation for all phase currents if the vectorial sum of the currents in the poles (= the ground fault current) overshoots the pre-set response and delay time values. AC currents and pulsating DC currents are measured (CBR, design A according to EN 60947-2).

Main connections, basic equipment and options

Main connections (for conductor cross-sections, [see below](#))

Circuit breakers	Connection overview and further options				
	Box terminals	Screw terminals with metric thread for flat connection	Circular conductor terminal/multiple feed-in terminals	Rear terminals	Front-accessible connecting bars
VL160X	☐	☐	x	x	x
VL160	☐	☐	x	x	x
VL250	☐	☐	x	x	x
VL400	x	○	x ²⁾³⁾	x	x
VL630	x ¹⁾	○	x ²⁾	x	x
VL800	--	○	x ²⁾	x	x
VL1250	--	○	x ²⁾	x	x
VL1600	--	x	--	x	○

- Scope of supply
 ☐ Optional scope of supply
 x Available
 -- Not available

- ¹⁾ Connecting terminal plate for flexible busbar; not for 690 V AC/600 V DC.
²⁾ Multiple feed-in terminal
³⁾ Circular conductor terminal also available.

Conductor cross-sections

Type		VL160X 3VL1	VL160 3VL2	VL250 3VL3	VL400 3VL4	VL630 3VL5	VL800 3VL6	VL1250 3VL7	VL1600 3VL8
Conductor cross-sections									
Box terminals ¹⁾									
• Solid or stranded cable	Copper only	mm ² 2.5 ... 95	2.5 ... 95	25 ... 185	50 ... 300	--	--	--	--
• Finely stranded with end sleeve		mm ² 2.5 ... 50	2.5 ... 50	25 ... 120	50 ... 240	--	--	--	--
• Flexible busbar		mm 12 × 10	12 × 10	17 × 10	25 × 10	--	--	--	--
Connecting terminal plate for flexible busbar ²⁾		mm --	--	--	--	2 units 10 × 32	--	--	--
Circular conductor terminal for cable¹⁾									
• Solid or stranded cable	Cu or Al	mm ² 16 ... 70	16 ... 70	25 ... 185	50 ... 300	--	--	--	--
- With terminal cover	Cu or Al	mm ² 16 ... 150	16 ... 150	120 ... 240	--	--	--	--	--
• Finely stranded with end sleeve		mm ² 10 ... 50	10 ... 50	25 ... 120	50 ... 240	--	--	--	--
Multiple feed-in terminal¹⁾									
• Solid or stranded cable	Cu or Al	mm ² --	--	--	2 units 50 ... 120	2 units 50 ... 240	3 units 50 ... 240	4 units 50 ... 240	--
- With terminal cover	Cu or Al	mm ² --	--	--	2 units 70 ... 300	--	--	--	--
• Finely stranded with end sleeve		mm ² --	--	--	2 units 50 ... 95	2 units 50 ... 185	3 units 50 ... 185	4 units 50 ... 185	--
• Direct connection of busbars	Cu or Al	mm 17 × 7	22 × 7	24 × 7	32 × 10	40 × 10	2 × 40 × 10	2 × 50 × 10	3 × 60 × 10
• Screw for connection with screw terminal		M6	M6	M8	M8	M6	M8	M8	--
Conductor cross-sections for control circuits with terminal connection									
Screw terminals									
• Solid		mm ² 0.75 ... 1.5	0.75 ... 1.5	0.75 ... 1.5	0.75 ... 1.5	0.75 ... 1.5	0.75 ... 1.5	0.75 ... 1.5	0.75 ... 1.5
• Finely stranded with end sleeve		mm ² 0.75 ... 1.0	0.75 ... 1.0	0.75 ... 1.0	0.75 ... 1.0	0.75 ... 1.0	0.75 ... 1.0	0.75 ... 1.0	0.75 ... 1.0

¹⁾ Cross-sections according to IEC 60999.

²⁾ Not for 690 V AC/600 V DC.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

General data

VL160 to VL1600 Electronic Trip Units – Functional overview

Article No. supplement	Releases	System protection	System/generator protection	Motor protection	Starter protection	Non-automatic circuit breakers	Function	Setting options					
								L	S ¹⁾	I ¹⁾	G		
								Overload protection	Short-circuit protection (short-time delayed)	Short-circuit protection (instantaneous)	Ground-fault protection		
								$I_r = \times I_n$	$I_{sd} = \times I_r$	t_{sd} [s]	$I_l = \times I_n$	$I_g = \times I_n$	t_g [s]
DK	M	--	--	--	✓	--	I	--	--	--	7 ... 15	--	--
DE	M	--	--	--	--	✓	I	--	--	--	8 ... 18	--	--
EE	M	--	--	--	--	✓	I	--	--	--	8 ... 18	--	--
DA	TM ²⁾	✓	--	--	--	--	LI	1	--	--	9 ... 18 ⁴⁾	--	--
DD	TM ²⁾	✓	--	--	--	--	LI	0.8 ... 1	--	--	9 ... 18 ⁴⁾	--	--
DC	TM ²⁾	✓	--	--	--	--	LI	0.8 ... 1	--	--	5 ... 10	--	--
EH	TM ²⁾	✓	--	--	--	--	LI	1	--	--	9 ... 18 ⁴⁾	--	--
EJ	TM ²⁾	✓	--	--	--	--	LI	0.8 ... 1	--	--	5 ... 10	--	--
EA/EL	TM ²⁾	✓	--	--	--	--	LIN	1	--	--	9 ... 18 ⁴⁾	--	--
EC	TM ²⁾	✓	--	--	--	--	LIN	0.8 ... 1	--	--	5 ... 10	--	--
EM	TM ²⁾	✓	--	--	--	--	LIN	0.8 ... 1	--	--	5 ... 10	--	--
SP	ETU10M ³⁾	--	--	✓	--	--	LI	0.4 ... 1	--	--	1.25 ... 11	--	--
MP	ETU10M ³⁾	--	--	✓	--	--	LI	0.4 ... 1	--	--	1.25 ... 11	--	--
SB	ETU10	✓	--	--	--	--	LI	0.4 ... 1	--	--	1.25 ... 11	--	--
MB	ETU10	✓	--	--	--	--	LI	0.4 ... 1	--	--	1.25 ... 11	--	--
LB	ETU10	✓	--	--	--	--	LI	0.4 ... 1	--	--	1.25 ... 11	--	--
TA	ETU10	✓	--	--	--	--	LIN	0.4 ... 1	--	--	1.25 ... 11	--	--
NA	ETU10	✓	--	--	--	--	LIN	0.4 ... 1	--	--	1.25 ... 11	--	--
LA	ETU10	✓	--	--	--	--	LIN	0.4 ... 1	--	--	1.25 ... 11	--	--
TB	ETU10	✓	--	--	--	--	LI	0.4 ... 1	--	--	1.25 ... 11	--	--
NB	ETU10	✓	--	--	--	--	LI	0.4 ... 1	--	--	1.25 ... 11	--	--
SL	ETU12	✓	--	--	--	--	LIG	0.4 ... 1	--	--	1.25 ... 11	0.6 ... 1, OFF	0.1 ... 0.3
ML	ETU12	✓	--	--	--	--	LIG	0.4 ... 1	--	--	1.25 ... 11	0.6 ... 1, OFF	0.1 ... 0.3
SF	ETU12	✓	--	--	--	--	LIG	0.4 ... 1	--	--	1.25 ... 11	0.6 ... 1, OFF	0.1 ... 0.3
MF	ETU12	✓	--	--	--	--	LIG	0.4 ... 1	--	--	1.25 ... 11	0.6 ... 1, OFF	0.1 ... 0.3
TN	ETU12	✓	--	--	--	--	LING	0.4 ... 1	--	--	1.25 ... 11	0.6 ... 1, OFF	0.1 ... 0.3
NN	ETU12	✓	--	--	--	--	LING	0.4 ... 1	--	--	1.25 ... 11	0.6 ... 1, OFF	0.1 ... 0.3
SE	ETU20	--	✓	--	--	--	LSI	0.4 ... 1	1.5 ... 10	0 ... 0.5	11	--	--
ME	ETU20	--	✓	--	--	--	LSI	0.4 ... 1	1.5 ... 10	0 ... 0.5	11	--	--
LE	ETU20	--	✓	--	--	--	LSI	0.4 ... 1	1.5 ... 10	0 ... 0.5	11	--	--
TE	ETU20	--	✓	--	--	--	LSI	0.4 ... 1	1.5 ... 10	0 ... 0.5	11	--	--
NE	ETU20	--	✓	--	--	--	LSI	0.4 ... 1	1.5 ... 10	0 ... 0.5	11	--	--
TF	ETU20	--	✓	--	--	--	LSIN	0.4 ... 1	1.5 ... 10	0 ... 0.5	11	--	--
NF	ETU20	--	✓	--	--	--	LSIN	0.4 ... 1	1.5 ... 10	0 ... 0.5	11	--	--
LF	ETU20	--	✓	--	--	--	LSIN	0.4 ... 1	1.5 ... 10	0 ... 0.5	11	--	--
SG	ETU22	--	✓	--	--	--	LSIG	0.4 ... 1	1.5 ... 10	0 ... 0.5	11	0.6 ... 1, OFF	0.1 ... 0.3
MG	ETU22	--	✓	--	--	--	LSIG	0.4 ... 1	1.5 ... 10	0 ... 0.5	11	0.6 ... 1, OFF	0.1 ... 0.3
SH	ETU22	--	✓	--	--	--	LSIG	0.4 ... 1	1.5 ... 10	0 ... 0.5	11	0.6 ... 1, OFF	0.1 ... 0.3
MH	ETU22	--	✓	--	--	--	LSIG	0.4 ... 1	1.5 ... 10	0 ... 0.5	11	0.6 ... 1, OFF	0.1 ... 0.3
TH	ETU22	--	✓	--	--	--	LSING	0.4 ... 1	1.5 ... 10	0 ... 0.5	11	0.6 ... 1, OFF	0.1 ... 0.3
NH	ETU22	--	✓	--	--	--	LSING	0.4 ... 1	1.5 ... 10	0 ... 0.5	11	0.6 ... 1, OFF	0.1 ... 0.3
SS	ETU30M ³⁾	--	--	✓	--	--	LI	0.4 ... 1	--	--	6/8/11	--	--
MS	ETU30M ³⁾	--	--	✓	--	--	LI	0.4 ... 1	--	--	6/8/11	--	--
LS	ETU30M ³⁾	--	--	✓	--	--	LI	0.4 ... 1	--	--	6/8/11	--	--
UP	LCD ETU40M ³⁾	--	--	✓	--	--	LI	0.4 ... 1	--	--	1.25 ... 11	--	--
UH	LCD ETU40	--	✓	--	--	--	LI, LS, LSI	0.4 ... 1	1.5 ... 10	0 ... 0.5	1.25 ... 11	--	--
UJ	LCD ETU40	--	✓	--	--	--	LI, LSI, LIN, LSIN	0.4 ... 1	1.5 ... 10	0 ... 0.5	1.25 ... 11	--	--
UL	LCD ETU42	--	✓	--	--	--	LSIG	0.4 ... 1	1.5 ... 10	0 ... 0.5	1.25 ... 11	0.4 ... 1	0.1 ... 0.5
UM	LCD ETU42	--	✓	--	--	--	LSIG	0.4 ... 1	1.5 ... 10	0 ... 0.5	1.25 ... 11	0.4 ... 1	0.1 ... 0.5
UN	LCD ETU42	--	✓	--	--	--	LSIG, LSING	0.4 ... 1	1.5 ... 10	0 ... 0.5	1.25 ... 11	0.4 ... 1	0.1 ... 0.5

✓ Function is available.

-- Function not available

¹⁾ Size dependent.

²⁾ TM up to $I_n = 630$ A.

³⁾ Motor protection up to $I_n = 500$ A.

⁴⁾ Non-adjustable.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

General data

2

Article No. supplement	Releases	Thermal image	Phase failure	Communication-capable	Ground-fault protection	Number of poles	N pole protected ¹⁾	I^2t (ON/OFF)	Trip class (t_c)	Time-lag class (t_R)	Thermal-magnetic overcurrent releases	Magnetic releases	Electronic Trip Unit	LCD display
DK	M	--	--	--	--	3	--	--	--	--	--	✓	--	--
DE	M	--	--	--	--	3	--	--	--	--	--	✓	--	--
EE	M	--	--	--	--	4	--	--	--	--	--	✓	--	--
DA	TM ²⁾	✓	--	--	--	3	--	--	--	--	✓	--	--	--
DD	TM ²⁾	✓	--	--	--	3	--	--	--	--	✓	--	--	--
DC	TM ²⁾	✓	--	--	--	3	--	--	--	--	✓	--	--	--
EH	TM ²⁾	✓	--	--	--	4	--	--	--	--	✓	--	--	--
EJ	TM ²⁾	✓	--	--	--	4	--	--	--	--	✓	--	--	--
EA/EL	TM ²⁾	✓	--	--	--	4	100 %	--	--	--	✓	--	--	--
EC	TM ²⁾	✓	--	--	--	4	60 %	--	--	--	✓	--	--	--
EM	TM ²⁾	✓	--	--	--	4	100 %	--	--	--	✓	--	--	--
SP	ETU10M ³⁾	✓	40 % I_R	--	--	3	--	--	10	--	--	--	✓	--
MP	ETU10M ³⁾	✓	40 % I_R	✓ ⁴⁾	--	3	--	--	10	--	--	--	✓	--
SB	ETU10	✓	--	✓ ⁴⁾	--	3	--	--	--	2.5 ... 30	--	--	✓	--
MB	ETU10	✓	--	✓ ⁴⁾	--	3	--	--	--	2.5 ... 30	--	--	✓	--
LB	ETU10	✓	--	--	--	3	--	--	--	2.5 ... 30	--	--	✓	--
TA	ETU10	✓	--	--	--	4	50/100 %	--	--	2.5 ... 30	--	--	✓	--
NA	ETU10	✓	--	✓ ⁴⁾	--	4	50/100 %	--	--	2.5 ... 30	--	--	✓	--
LA	ETU10	✓	--	--	--	4	50/100 %	--	--	2.5 ... 30	--	--	✓	--
TB	ETU10	✓	--	--	--	4	--	--	--	2.5 ... 30	--	--	✓	--
NB	ETU10	✓	--	✓ ⁴⁾	--	4	--	--	--	2.5 ... 30	--	--	✓	--
SL	ETU12	✓	--	--	①	3	--	--	--	2.5 ... 30	--	--	✓	--
ML	ETU12	✓	--	✓ ⁴⁾	①	3	--	--	--	2.5 ... 30	--	--	✓	--
SF	ETU12	✓	--	--	②	3	--	--	--	2.5 ... 30	--	--	✓	--
MF	ETU12	✓	--	✓ ⁴⁾	②	3	--	--	--	2.5 ... 30	--	--	✓	--
TN	ETU12	✓	--	--	②	4	50/100 %	--	--	2.5 ... 30	--	--	✓	--
NN	ETU12	✓	--	✓ ⁴⁾	②	4	50/100 %	--	--	2.5 ... 30	--	--	✓	--
SE	ETU20	✓	--	--	--	3	--	✓	--	--	--	--	✓	--
ME	ETU20	✓	--	✓ ⁴⁾	--	3	--	✓	--	--	--	--	✓	--
LE	ETU20	✓	--	--	--	3	--	✓	--	--	--	--	✓	--
TE	ETU20	✓	--	--	--	4	--	✓	--	--	--	--	✓	--
NE	ETU20	✓	--	✓ ⁴⁾	--	4	--	✓	--	--	--	--	✓	--
TF	ETU20	✓	--	--	--	4	50/100 %	✓	--	--	--	--	✓	--
NF	ETU20	✓	--	✓ ⁴⁾	--	4	50/100 %	✓	--	--	--	--	✓	--
LF	ETU20	✓	--	--	--	4	50/100 %	✓	--	--	--	--	✓	--
SG	ETU22	✓	--	--	①	3	--	✓	--	--	--	--	✓	--
MG	ETU22	✓	--	✓ ⁴⁾	①	3	--	✓	--	--	--	--	✓	--
SH	ETU22	✓	--	--	②	3	--	✓	--	--	--	--	✓	--
MH	ETU22	✓	--	✓ ⁴⁾	②	3	--	✓	--	--	--	--	✓	--
TH	ETU22	✓	--	--	②	4	50/100 %	✓	--	--	--	--	✓	--
NH	ETU22	✓	--	✓ ⁴⁾	②	4	50/100 %	✓	--	--	--	--	✓	--
SS	ETU30M ³⁾	✓	40 % I_R	--	--	3	--	--	10, 20, 30	--	--	--	✓	--
MS	ETU30M ³⁾	✓	40 % I_R	✓ ⁴⁾	--	3	--	--	10, 20, 30	--	--	--	✓	--
LS	ETU30M ³⁾	✓	40 % I_R	--	--	3	--	--	10, 20, 30	--	--	--	✓	--
UP	LCD ETU40M ³⁾	✓	5 ... 50 % I_R	✓ ⁴⁾	--	3	--	--	5, 10, 15, 20, 30	--	--	--	✓	✓
UH	LCD ETU40	✓	--	✓ ⁴⁾	--	3	--	✓	--	2.5 ... 30	--	--	✓	✓
UJ	LCD ETU40	✓	--	✓ ⁴⁾	--	4	50 ... 100 %, OFF	✓	--	2.5 ... 30	--	--	✓	✓
UL	LCD ETU42	✓	--	✓ ⁴⁾	①	3	--	✓	--	2.5 ... 30	--	--	✓	✓
UM	LCD ETU42	✓	--	✓ ⁴⁾	①/③	3	--	✓	--	2.5 ... 30	--	--	✓	✓
UN	LCD ETU42	✓	--	✓ ⁴⁾	②	4	50 ... 100 %, OFF	✓	--	2.5 ... 30	--	--	✓	✓

Ground-fault protection

- ① Vectorial summation current formation (3-conductor system)
 ② Vectorial summation current formation (4-conductor system)
 ③ Direct detection of ground-fault current in the neutral point of the transformer

✓ Function is available.

-- Function not available

1) Size dependent.

2) TM up to $I_n = 630$ A.3) Motor protection up to $I_n = 500$ A.

4) With COM20/COM21.

Molded Case Circuit Breakers

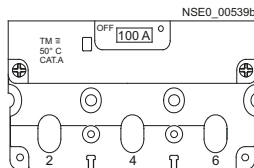
3VL Molded Case Circuit Breakers up to 1600 A, IEC

3-pole

Selection and ordering data

Type	Rated current I_n	Current setting range of the inverse-time delayed overcurrent releases "L" I_R	Operating current of the instantaneous short-circuit releases "I" I_I	DT	I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview".	(N)				
	A	A	A		Article No. Article No. supplement, see page 2/60; www.siemens.com/ product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg

3-pole, fixed-mounted, for system protection, 16 A to 160 A, thermal-magnetic overcurrent releases LI



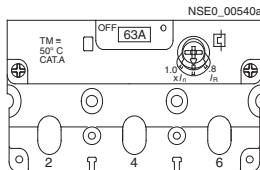
System protection, TM, LI function

With non-adjustable thermal overcurrent releases, non-adjustable short-circuit releases

Type	I_n	I_R	I_I	Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg
VL160X/ 3VL1	16	16	300	3VL1796-1DA3□-□□□□		1	1 unit	113	1,900
	20	20	300	3VL1702-1DA3□-□□□□		1	1 unit	113	1,900
	25	25	300	3VL1725-1DA3□-□□□□		1	1 unit	113	2,000
	32	32	300	3VL1703-1DA3□-□□□□		1	1 unit	113	2,000
	40	40	600	3VL1704-1DA3□-□□□□		1	1 unit	113	2,000
	50	50	600	3VL1705-1DA3□-□□□□		1	1 unit	113	2,000
	63	63	600	3VL1706-1DA3□-□□□□		1	1 unit	113	2,000
	80	80	1000	3VL1708-1DA3□-□□□□		1	1 unit	113	2,000
	100	100	1000	3VL1710-1DA3□-□□□□		1	1 unit	113	2,000
	125	125	1000	3VL1712-1DA3□-□□□□		1	1 unit	113	2,000
	160	160	1500	3VL1716-1DA3□-□□□□		1	1 unit	113	2,000

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal **3**
- Connection with flat screw terminal not in conjunction with RCD module¹⁾ **6**



System protection, TM, LI function

With adjustable thermal overcurrent releases, non-adjustable short-circuit releases

Type	I_n	I_R	I_I	Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg
VL160X/ 3VL1	20	16 ... 20	300	3VL1702-1DD3□-□□□□		1	1 unit	113	1,900
	32	25 ... 32	300	3VL1703-1DD3□-□□□□		1	1 unit	113	2,000
	40	32 ... 40	600	3VL1704-1DD3□-□□□□		1	1 unit	113	2,000
	50	40 ... 50	600	3VL1705-1DD3□-□□□□		1	1 unit	113	2,000
	63	50 ... 63	600	3VL1706-1DD3□-□□□□		1	1 unit	113	2,000
	80	63 ... 80	1000	3VL1708-1DD3□-□□□□		1	1 unit	113	2,000
	100	80 ... 100	1000	3VL1710-1DD3□-□□□□		1	1 unit	113	2,000
	125	100 ... 125	1000	3VL1712-1DD3□-□□□□		1	1 unit	113	2,000
	160	125 ... 160	1500	3VL1716-1DD3□-□□□□		1	1 unit	113	2,000

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal **3**
- Connection with flat screw terminal not in conjunction with RCD module¹⁾ **6**

¹⁾ When the circuit breaker with flat screw terminal is ordered, the basic price is reduced.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

3-pole

2

DT	I_{cu} up to 70 kA at 415 V, high breaking capacity H	(H)	DT	I_{cu} up to 100 kA at 415 V, very high breaking capacity L	(L)		
	Article No. Article No. supplement, see page 2/60; www.siemens.com/ product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.	kg

3VL1796-2DA3□-□□□□	1	1 unit	113	1.900	---
3VL1702-2DA3□-□□□□	1	1 unit	113	1.900	---
3VL1725-2DA3□-□□□□	1	1 unit	113	2.000	---
3VL1703-2DA3□-□□□□	1	1 unit	113	2.000	---
3VL1704-2DA3□-□□□□	1	1 unit	113	2.000	---
3VL1705-2DA3□-□□□□	1	1 unit	113	2.000	---
3VL1706-2DA3□-□□□□	1	1 unit	113	2.000	---
3VL1708-2DA3□-□□□□	1	1 unit	113	2.000	---
3VL1710-2DA3□-□□□□	1	1 unit	113	2.000	---
3VL1712-2DA3□-□□□□	1	1 unit	113	2.000	---
3VL1716-2DA3□-□□□□	1	1 unit	113	2.000	---

3
6

3VL1702-2DD3□-□□□□	1	1 unit	113	1.900	---
3VL1703-2DD3□-□□□□	1	1 unit	113	2.000	---
3VL1704-2DD3□-□□□□	1	1 unit	113	2.000	---
3VL1705-2DD3□-□□□□	1	1 unit	113	2.000	---
3VL1706-2DD3□-□□□□	1	1 unit	113	2.000	---
3VL1708-2DD3□-□□□□	1	1 unit	113	2.000	---
3VL1710-2DD3□-□□□□	1	1 unit	113	2.000	---
3VL1712-2DD3□-□□□□	1	1 unit	113	2.000	---
3VL1716-2DD3□-□□□□	1	1 unit	113	2.000	---

3
6

Molded Case Circuit Breakers

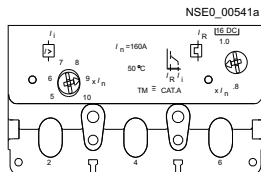
3VL Molded Case Circuit Breakers up to 1600 A, IEC

3-pole

2

Type	Rated current I_n	Current setting of the inverse-time delayed overcurrent releases "L" I_R	Operating current of the instantaneous short-circuit releases "I" I_i	DT	I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview".	(N)				
	A	A	A		Article No. Article No. supplement, see page 2/60; www.siemens.com/product?ArticleNo .	For basic price per PU/price, see page 2/36	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
										kg

3-pole, fixed-mounted, for system protection, 50 A to 630 A, thermal-magnetic overcurrent releases LI



System protection, TM, LI function

With adjustable thermal overcurrent releases, adjustable short-circuit releases

VL160/ 3VL2	50 63 80 100 125 160	40 ... 50 50 ... 63 63 ... 80 80 ... 100 100 ... 125 125 ... 160	300 ... 600 300 ... 600 400 ... 800 500 ... 1000 625 ... 1250 800 ... 1600	3VL2705-1DC30-□□□□ 3VL2706-1DC30-□□□□ 3VL2708-1DC30-□□□□ 3VL2710-1DC30-□□□□ 3VL2712-1DC30-□□□□ 3VL2716-1DC30-□□□□	1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	113 113 113 113 113 113	2.200 2.200 2.200 2.200 2.200 2.200
VL250/ 3VL3	200 250	160 ... 200 200 ... 250	1000 ... 2000 1250 ... 2500	3VL3720-1DC30-□□□□ 3VL3725-1DC30-□□□□	1 1	1 unit 1 unit	113 113	2.300 2.300

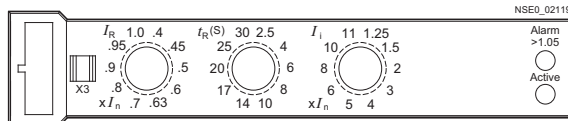
Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal
- Connection with flat screw terminal¹⁾

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VL400/3VL4	200 250 315 400	160 ... 200 200 ... 250 250 ... 315 320 ... 400	1000 ... 2000 1250 ... 2500 1575 ... 3150 2000 ... 4000	3VL4720-1DC36-□□□□ 3VL4725-1DC36-□□□□ 3VL4731-1DC36-□□□□ 3VL4740-1DC36-□□□□	1 1 1 1	1 unit 1 unit 1 unit 1 unit	113 113 113 113	5.700 5.700 5.700 5.700
VL630/3VL5	315 400 500 630	250 ... 315 320 ... 400 400 ... 500 500 ... 630	1575 ... 3150 2000 ... 4000 2500 ... 5000 3150 ... 6300	3VL5731-1DC36-□□□□ 3VL5740-1DC36-□□□□ 3VL5750-1DC36-□□□□ 3VL5763-1DC36-□□□□	1 1 1 1	1 unit 1 unit 1 unit 1 unit	113 113 113 113	9.000 9.000 9.000 9.000

3-pole, fixed-mounted, for system protection, 63 A to 1600 A, Electronic Trip Units LI



ETU10, LI function

With adjustable overcurrent releases, adjustable short-circuit releases

VL160/3VL2	63 100 160	25 ... 63 40 ... 100 64 ... 160	1.25 ... 11 × I_n 1.25 ... 11 × I_n 1.25 ... 11 × I_n	3VL2706-1□□3□-□□□□ 3VL2710-1□□3□-□□□□ 3VL2716-1□□3□-□□□□	1 1 1	1 unit 1 unit 1 unit	113 113 113	2.400 2.400 2.400
VL250/3VL3	200 250	80 ... 200 100 ... 250	1.25 ... 11 × I_n 1.25 ... 11 × I_n	3VL3720-1□□3□-□□□□ 3VL3725-1□□3□-□□□□	1 1	1 unit 1 unit	113 113	2.500 2.500

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal
- Connection with flat screw terminal¹⁾

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VL400/3VL4	315 400	128 ... 315 160 ... 400	1.25 ... 11 × I_n 1.25 ... 11 × I_n	3VL4731-1□□36-□□□□ 3VL4740-1□□36-□□□□	1 1	1 unit 1 unit	113 113	5.900 5.900
VL630/3VL5	630	252 ... 630	1.25 ... 10 × I_n	3VL5763-1□□36-□□□□	1	1 unit	113	9.300
VL800/3VL6	800	320 ... 800	1.25 ... 8 × I_n	3VL6780-1□□36-□□□□	1	1 unit	113	16.000
VL1250/3VL7	1000 1250	400 ... 1000 500 ... 1250	1.25 ... 11 × I_n 1.25 ... 11 × I_n	3VL7710-1□□36-□□□□ 3VL7712-1□□36-□□□□	1 1	1 unit 1 unit	113 113	25.000 25.000
VL1600/3VL8 ²⁾	1600	640 ... 1600	1.25 ... 9 × I_n	3VL8716-1□□30-□□□□	1	1 unit	113	31.300

- Without communication preparation
- With communication preparation
- Marine engineering-certified LRS, DNV, GL and BV (not communication-ready)

SB
MB
LB

¹⁾ When the circuit breaker with flat screw terminal is ordered, the basic price is reduced.

²⁾ Front busbar connection pieces are included in the scope of supply and are to be fitted by the customer.

Communication:

- For accessories, see page 2/95.
- For more information, see also chapters "Measuring Devices and Power Monitoring" and "Software."

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

3-pole

2

DT I_{cu} up to 70 kA at 415 V, high breaking capacity H						DT I_{cu} up to 100 kA at 415 V, very high breaking capacity L					
Article No.	For basic price per PU/price, see page 2/36	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.	Article No.	For basic price per PU/price, see page 2/36	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.

3VL2705-2DC3□-□□□□		1	1 unit	113	2.200	3VL2705-3DC3□-□□□□		1	1 unit	113	2.200
3VL2706-2DC3□-□□□□		1	1 unit	113	2.200	3VL2706-3DC3□-□□□□		1	1 unit	113	2.200
3VL2708-2DC3□-□□□□		1	1 unit	113	2.200	3VL2708-3DC3□-□□□□		1	1 unit	113	2.200
3VL2710-2DC3□-□□□□		1	1 unit	113	2.200	3VL2710-3DC3□-□□□□		1	1 unit	113	2.200
3VL2712-2DC3□-□□□□		1	1 unit	113	2.200	3VL2712-3DC3□-□□□□		1	1 unit	113	2.200
3VL2716-2DC3□-□□□□		1	1 unit	113	2.200	3VL2716-3DC3□-□□□□		1	1 unit	113	2.200
3VL3720-2DC3□-□□□□		1	1 unit	113	2.300	3VL3720-3DC3□-□□□□		1	1 unit	113	2.300
3VL3725-2DC3□-□□□□		1	1 unit	113	2.300	3VL3725-3DC3□-□□□□		1	1 unit	113	2.300

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3VL4720-2DC36-□□□□		1	1 unit	113	5.700	3VL4720-3DC36-□□□□		1	1 unit	113	5.700
3VL4725-2DC36-□□□□		1	1 unit	113	5.700	3VL4725-3DC36-□□□□		1	1 unit	113	5.700
3VL4731-2DC36-□□□□		1	1 unit	113	5.700	3VL4731-3DC36-□□□□		1	1 unit	113	5.700
3VL4740-2DC36-□□□□		1	1 unit	113	5.700	3VL4740-3DC36-□□□□		1	1 unit	113	5.700
3VL5731-2DC36-□□□□		1	1 unit	113	9.000	3VL5731-3DC36-□□□□		1	1 unit	113	9.000
3VL5740-2DC36-□□□□		1	1 unit	113	9.000	3VL5740-3DC36-□□□□		1	1 unit	113	9.000
3VL5750-2DC36-□□□□		1	1 unit	113	9.000	3VL5750-3DC36-□□□□		1	1 unit	113	9.000
3VL5763-2DC36-□□□□		1	1 unit	113	9.000	3VL5763-3DC36-□□□□		1	1 unit	113	9.000

3VL2706-2□□3□-□□□□		1	1 unit	113	2.400	3VL2706-3□□3□-□□□□		1	1 unit	113	2.400
3VL2710-2□□3□-□□□□		1	1 unit	113	2.400	3VL2710-3□□3□-□□□□		1	1 unit	113	2.400
3VL2716-2□□3□-□□□□		1	1 unit	113	2.400	3VL2716-3□□3□-□□□□		1	1 unit	113	2.400
3VL3720-2□□3□-□□□□		1	1 unit	113	2.500	3VL3720-3□□3□-□□□□		1	1 unit	113	2.500
3VL3725-2□□3□-□□□□		1	1 unit	113	2.500	3VL3725-3□□3□-□□□□		1	1 unit	113	2.500

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6

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6

3VL4731-2□□36-□□□□		1	1 unit	113	5.900	3VL4731-3□□36-□□□□		1	1 unit	113	5.900
3VL4740-2□□36-□□□□		1	1 unit	113	5.900	3VL4740-3□□36-□□□□		1	1 unit	113	5.900
3VL5763-2□□36-□□□□		1	1 unit	113	9.300	3VL5763-3□□36-□□□□		1	1 unit	113	9.300
3VL6780-2□□36-□□□□		1	1 unit	113	16.000	3VL6780-3□□36-□□□□		1	1 unit	113	16.000
3VL7710-2□□36-□□□□		1	1 unit	113	25.000	3VL7710-3□□36-□□□□		1	1 unit	113	25.000
3VL7712-2□□36-□□□□		1	1 unit	113	25.000	3VL7712-3□□36-□□□□		1	1 unit	113	25.000
3VL8716-2□□30-□□□□		1	1 unit	113	31.300	3VL8716-3□□30-□□□□		1	1 unit	113	31.300

SB
MB
LB

SB
MB
LB

Molded Case Circuit Breakers

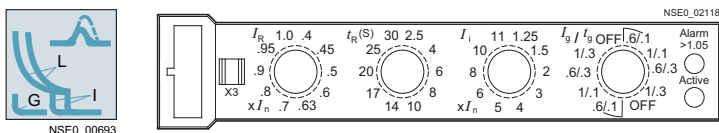
3VL Molded Case Circuit Breakers up to 1600 A, IEC

3-pole

2

Type	Rated current I_n	Current setting of the inverse-time delayed overcurrent releases "L" I_R	Operating current of the instantaneous short-circuit releases "I" I_i	Ground-fault protection "G" I_g	DT	I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview".					
	A	A	A	A		Article No.	Price, see page 2/36	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
						Article No. supplement, see page 2/60; www.siemens.com/product?ArticleNo .					kg

3-pole, fixed-mounted, for system protection, 63 A to 1600 A, Electronic Trip Units LIG



ETU12, LIG function for 3-wire three-phase systems

With adjustable overcurrent releases, adjustable short-circuit releases, vectorial summation current formation, ground fault delay $t_{G0} = 0.1 \dots 0.3$ s, ground fault function (G) can be switched off.

VL160/3VL2	63	25 ... 63	1.25 ... $11 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL2706-1□□3□-□□□□	1	1 unit	113	2.400
	100	40 ... 100	1.25 ... $11 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL2710-1□□3□-□□□□	1	1 unit	113	2.400
	160	64 ... 160	1.25 ... $11 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL2716-1□□3□-□□□□	1	1 unit	113	2.400
VL250/3VL3	200	80 ... 200	1.25 ... $11 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL3720-1□□3□-□□□□	1	1 unit	113	2.500
	250	100 ... 250	1.25 ... $11 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL3725-1□□3□-□□□□	1	1 unit	113	2.500

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal
- Connection with screw terminal¹⁾

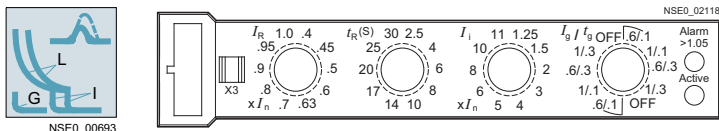
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VL400/3VL4	315	128 ... 315	1.25 ... $11 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL4731-1□□36-□□□□	1	1 unit	113	5.900
	400	160 ... 400	1.25 ... $11 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL4740-1□□36-□□□□	1	1 unit	113	5.900
VL630/3VL5	630	252 ... 630	1.25 ... $10 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL5763-1□□36-□□□□	1	1 unit	113	9.300
VL800/3VL6	800	320 ... 800	1.25 ... $8 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL6780-1□□36-□□□□	1	1 unit	113	16.000
VL1250/3VL7	1000	400 ... 1000	1.25 ... $11 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL7710-1□□36-□□□□	1	1 unit	113	25.000
	1250	500 ... 1250	1.25 ... $11 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL7712-1□□36-□□□□	1	1 unit	113	25.000
VL1600/3VL8 ²⁾	1600	640 ... 1600	1.25 ... $9 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL8716-1□□30-□□□□	1	1 unit	113	31.300

- Without communication preparation
- With communication preparation

SL
ML

3-pole, fixed-mounted, for system protection, 63 A to 1600 A, Electronic Trip Units LIG



ETU12, LIG function for 4-wire three-phase systems

With adjustable overcurrent releases, adjustable short-circuit releases, vectorial summation current formation, external current transformers required in addition, see page 2/94. Ground fault delay $t_{G0} = 0.1 \dots 0.3$ s, ground fault function (G) can be switched off.

VL160/3VL2	63	25 ... 63	1.25 ... $11 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL2706-1□□3□-□□□□	1	1 unit	113	2.400
	100	40 ... 100	1.25 ... $11 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL2710-1□□3□-□□□□	1	1 unit	113	2.400
	160	64 ... 160	1.25 ... $11 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL2716-1□□3□-□□□□	1	1 unit	113	2.400
VL250/3VL3	200	80 ... 200	1.25 ... $11 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL3720-1□□3□-□□□□	1	1 unit	113	2.500
	250	100 ... 250	1.25 ... $11 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL3725-1□□3□-□□□□	1	1 unit	113	2.500

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal
- Connection with screw terminal¹⁾

3
6

VL400/3VL4	315	128 ... 315	1.25 ... $11 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL4731-1□□36-□□□□	1	1 unit	113	5.900
	400	160 ... 400	1.25 ... $11 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL4740-1□□36-□□□□	1	1 unit	113	5.900
VL630/3VL5	630	252 ... 630	1.25 ... $10 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL5763-1□□36-□□□□	1	1 unit	113	9.300
VL800/3VL6	800	320 ... 800	1.25 ... $8 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL6780-1□□36-□□□□	1	1 unit	113	16.000
VL1250/3VL7	1000	400 ... 1000	1.25 ... $11 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL7710-1□□36-□□□□	1	1 unit	113	25.000
	1250	500 ... 1250	1.25 ... $11 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL7712-1□□36-□□□□	1	1 unit	113	25.000
VL1600/3VL8 ²⁾	1600	640 ... 1600	1.25 ... $9 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL8716-1□□30-□□□□	1	1 unit	113	31.300

- Without communication preparation
- With communication preparation

SF
MF

¹⁾ When the circuit breaker with flat screw terminal is ordered, the basic price is reduced.

²⁾ Front busbar connection pieces are included in the scope of supply and are to be fitted by the customer.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

3-pole

2

DT I_{cu} up to 70 kA at 415 V, high breaking capacity H						DT I_{cu} up to 100 kA at 415 V, very high breaking capacity L					
Article No.	Price, see page 2/36	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg	Article No.	Price, see page 2/36	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg

3VL2706-2□□3□-□□□□		1	1 unit	113	2.400	3VL2706-3□□3□-□□□□		1	1 unit	113	2.400
3VL2710-2□□3□-□□□□		1	1 unit	113	2.400	3VL2710-3□□3□-□□□□		1	1 unit	113	2.400
3VL2716-2□□3□-□□□□		1	1 unit	113	2.400	3VL2716-3□□3□-□□□□		1	1 unit	113	2.400
3VL3720-2□□3□-□□□□		1	1 unit	113	2.500	3VL3720-3□□3□-□□□□		1	1 unit	113	2.500
3VL3725-2□□3□-□□□□		1	1 unit	113	2.500	3VL3725-3□□3□-□□□□		1	1 unit	113	2.500

3
6

3
6

3VL4731-2□□36-□□□□		1	1 unit	113	5.900	3VL4731-3□□36-□□□□		1	1 unit	113	5.900
3VL4740-2□□36-□□□□		1	1 unit	113	5.900	3VL4740-3□□36-□□□□		1	1 unit	113	5.900
3VL5763-2□□36-□□□□		1	1 unit	113	9.300	3VL5763-3□□36-□□□□		1	1 unit	113	9.300
3VL6780-2□□36-□□□□		1	1 unit	113	16.000	3VL6780-3□□36-□□□□		1	1 unit	113	16.000
3VL7710-2□□36-□□□□		1	1 unit	113	25.000	3VL7710-3□□36-□□□□		1	1 unit	113	25.000
3VL7712-2□□36-□□□□		1	1 unit	113	25.000	3VL7712-3□□36-□□□□		1	1 unit	113	25.000
3VL8716-2□□30-□□□□		1	1 unit	113	31.300	3VL8716-3□□30-□□□□		1	1 unit	113	31.300

SL
ML

SL
ML

3VL2706-2□□3□-□□□□		1	1 unit	113	2.400	3VL2706-3□□3□-□□□□		1	1 unit	113	2.400
3VL2710-2□□3□-□□□□		1	1 unit	113	2.400	3VL2710-3□□3□-□□□□		1	1 unit	113	2.400
3VL2716-2□□3□-□□□□		1	1 unit	113	2.400	3VL2716-3□□3□-□□□□		1	1 unit	113	2.400
3VL3720-2□□3□-□□□□		1	1 unit	113	2.500	3VL3720-3□□3□-□□□□		1	1 unit	113	2.500
3VL3725-2□□3□-□□□□		1	1 unit	113	2.500	3VL3725-3□□3□-□□□□		1	1 unit	113	2.500

3
6

3
6

3VL4731-2□□36-□□□□		1	1 unit	113	5.900	3VL4731-3□□36-□□□□		1	1 unit	113	5.900
3VL4740-2□□36-□□□□		1	1 unit	113	5.900	3VL4740-3□□36-□□□□		1	1 unit	113	5.900
3VL5763-2□□36-□□□□		1	1 unit	113	9.300	3VL5763-3□□36-□□□□		1	1 unit	113	9.300
3VL6780-2□□36-□□□□		1	1 unit	113	16.000	3VL6780-3□□36-□□□□		1	1 unit	113	16.000
3VL7710-2□□36-□□□□		1	1 unit	113	25.000	3VL7710-3□□36-□□□□		1	1 unit	113	25.000
3VL7712-2□□36-□□□□		1	1 unit	113	25.000	3VL7712-3□□36-□□□□		1	1 unit	113	25.000
3VL8716-2□□30-□□□□		1	1 unit	113	31.300	3VL8716-3□□30-□□□□		1	1 unit	113	31.300

SF
MF

SF
MF

Communication:

- For accessories, see page 2/95.

- For more information, see also chapters "Measuring Devices and Power Monitoring" and "Software".

* You can order this quantity or a multiple thereof.

Molded Case Circuit Breakers

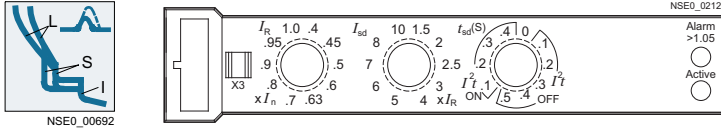
3VL Molded Case Circuit Breakers up to 1600 A, IEC

3-pole

2

Type	Rated current I_n	Current setting of the inverse-time delayed overcurrent releases "L" I_R	Operating current of the instantaneous short-circuit releases "I" I_i	S function short-circuit protection (short-time delayed) S	DT	I_{cu} up to 55 kA at 415 V, standard breaking capacity N (N)
	A	A	A	A		Article No. Article No. supplement, see page 2/60; www.siemens.com/product?Article.No.
						Price, see page 2/36
						PU (UNIT, SET, M)
						PS*/P. unit
						PG
						Weight per PU approx. kg

3-pole, fixed-mounted, for system protection - generator protection, 63 A to 1600 A, Electronic Trip Units LSI



ETU20, LSI function for time-based discrimination

With adjustable overcurrent releases, non-adjustable short-circuit releases, short-circuit delay ($t_{sd} = 0 \dots 0.5$ s)

VL160/3VL2	63	$0.4 \dots 1.0 \times I_n$	$11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL2706-1□□3□-□□□□	1	1 unit	113	2.400
	100	$0.4 \dots 1.0 \times I_n$	$11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL2710-1□□3□-□□□□	1	1 unit	113	2.400
	160	$0.4 \dots 1.0 \times I_n$	$11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL2716-1□□3□-□□□□	1	1 unit	113	2.400
VL250/3VL3	200	$0.4 \dots 1.0 \times I_n$	$11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL3720-1□□3□-□□□□	1	1 unit	113	2.500
	250	$0.4 \dots 1.0 \times I_n$	$11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL3725-1□□3□-□□□□	1	1 unit	113	2.500

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal **3**
- Connection with screw terminal¹⁾ **6**

VL400/3VL4	315	$0.4 \dots 1.0 \times I_n$	$11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL4731-1□□36-□□□□	1	1 unit	113	5.900
	400	$0.4 \dots 1.0 \times I_n$	$11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL4740-1□□36-□□□□	1	1 unit	113	5.900
VL630/3VL5	630	$0.4 \dots 1.0 \times I_n$	$10 \times I_n$	$1.5 \dots 9 \times I_R$	3VL5763-1□□36-□□□□	1	1 unit	113	9.300
VL800/3VL6	800	$0.4 \dots 1.0 \times I_n$	$8 \times I_n$	$1.5 \dots 7 \times I_R$	3VL6780-1□□36-□□□□	1	1 unit	113	16.000
VL1250/3VL7	1000	$0.4 \dots 1.0 \times I_n$	$11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL7710-1□□36-□□□□	1	1 unit	113	25.000
	1250	$0.4 \dots 1.0 \times I_n$	$11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL7712-1□□36-□□□□	1	1 unit	113	25.000
VL1600/3VL8 ²⁾	1600	$0.4 \dots 1.0 \times I_n$	$9 \times I_n$	$1.5 \dots 8 \times I_R$	3VL8716-1□□30-□□□□	1	1 unit	113	31.300

- Without communication preparation
- With communication preparation
- Marine engineering-certified LRS, DNV, GL and BV (not communication-ready)

SE
ME
LE

¹⁾ When the circuit breaker with flat screw terminal is ordered, the basic price is reduced.

²⁾ Front busbar connection pieces are included in the scope of supply and are to be fitted by the customer.

Communication:

- For accessories, see page 2/95.
- For more information, see also chapters "Measuring Devices and Power Monitoring" and "Software".

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

3-pole

2

DT	I_{cu} up to 70 kA at 415 V, high breaking capacity H						(H)	DT	I_{cu} up to 100 kA at 415 V, very high breaking capacity L						(L)
	Article No.	Price, see page 2/36	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.		Article No.	Price, see page 2/36	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.		
	Article No. supplement, see page 2/60; www.siemens.com/product?Article No.					kg		Article No. supplement, see page 2/60; www.siemens.com/product?Article No.					kg		

3VL2706-2□□3□-□□□□	1	1 unit	113	2.400			3VL2706-3□□3□-□□□□	1	1 unit	113	2.400		
3VL2710-2□□3□-□□□□	1	1 unit	113	2.400			3VL2710-3□□3□-□□□□	1	1 unit	113	2.400		
3VL2716-2□□3□-□□□□	1	1 unit	113	2.400			3VL2716-3□□3□-□□□□	1	1 unit	113	2.400		
3VL3720-2□□3□-□□□□	1	1 unit	113	2.500			3VL3720-3□□3□-□□□□	1	1 unit	113	2.500		
3VL3725-2□□3□-□□□□	1	1 unit	113	2.500			3VL3725-3□□3□-□□□□	1	1 unit	113	2.500		

3
6

3
6

3VL4731-2□□36-□□□□	1	1 unit	113	5.900			3VL4731-3□□36-□□□□	1	1 unit	113	5.900		
3VL4740-2□□36-□□□□	1	1 unit	113	5.900			3VL4740-3□□36-□□□□	1	1 unit	113	5.900		
3VL5763-2□□36-□□□□	1	1 unit	113	9.300			3VL5763-3□□36-□□□□	1	1 unit	113	9.300		
3VL6780-2□□36-□□□□	1	1 unit	113	16.000			3VL6780-3□□36-□□□□	1	1 unit	113	16.000		
3VL7710-2□□36-□□□□	1	1 unit	113	25.000			3VL7710-3□□36-□□□□	1	1 unit	113	25.000		
3VL7712-2□□36-□□□□	1	1 unit	113	25.000			3VL7712-3□□36-□□□□	1	1 unit	113	25.000		
3VL8716-2□□30-□□□□	1	1 unit	113	31.300			3VL8716-3□□30-□□□□	1	1 unit	113	31.300		

SE
ME
LE

SE
ME
LE

Molded Case Circuit Breakers

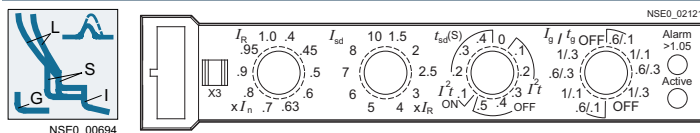
3VL Molded Case Circuit Breakers up to 1600 A, IEC

3-pole

2

Type	Rated current I_n	Current setting of the inverse-time delayed overcurrent releases "L" I_R	Operating current of the instantaneous short-circuit releases "I" I_I	S function short-circuit protection (short-time delayed) S	Ground-fault protection "G" I_g	DT	I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview".	(N)				
	A	A	A	A	A		Article No. Article No. supplement, see page 2/60; www.siemens.com/product?Article.No.	Price, see page 2/36	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg

3-pole, fixed-mounted, for system protection - generator protection, 63 A to 1600 A, Electronic Trip Units LSIG



ETU22, LSIG function for 3-wire three-phase systems and time-based discrimination

With adjustable overcurrent releases, non-adjustable short-circuit releases,

ground fault delay $t_g = 0.1 \dots 0.3$ s, short-circuit delay $t_{sd} = 0 \dots 0.5$ s, ground-fault protection (G) can be switched off

VL160/3VL2	63	25 ... 63	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.6 \dots 1 \times I_n$, OFF	3VL2706-1□□3□-□□□□	1	1 unit	113	2.400
	100	40 ... 100	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.6 \dots 1 \times I_n$, OFF	3VL2710-1□□3□-□□□□	1	1 unit	113	2.400
	160	64 ... 160	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.6 \dots 1 \times I_n$, OFF	3VL2716-1□□3□-□□□□	1	1 unit	113	2.400
VL250/3VL3	200	80 ... 200	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.6 \dots 1 \times I_n$, OFF	3VL3720-1□□3□-□□□□	1	1 unit	113	2.500
	250	100 ... 250	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.6 \dots 1 \times I_n$, OFF	3VL3725-1□□3□-□□□□	1	1 unit	113	2.500

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal
- Connection with screw terminal¹⁾

3
6

VL400/3VL4	315	128 ... 315	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.6 \dots 1 \times I_n$, OFF	3VL4731-1□□36-□□□□	1	1 unit	113	5.900
	400	160 ... 400	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.6 \dots 1 \times I_n$, OFF	3VL4740-1□□36-□□□□	1	1 unit	113	5.900
VL630/3VL5	630	252 ... 630	$10 \times I_n$	$1.5 \dots 9 \times I_R$	$0.6 \dots 1 \times I_n$, OFF	3VL5763-1□□36-□□□□	1	1 unit	113	9.300
VL800/3VL6	800	320 ... 800	$8 \times I_n$	$1.5 \dots 7 \times I_R$	$0.6 \dots 1 \times I_n$, OFF	3VL6780-1□□36-□□□□	1	1 unit	113	16.000
VL1250/3VL7	1000	400 ... 1000	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.6 \dots 1 \times I_n$, OFF	3VL7710-1□□36-□□□□	1	1 unit	113	25.000
	1250	500 ... 1250	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.6 \dots 1 \times I_n$, OFF	3VL7712-1□□36-□□□□	1	1 unit	113	25.000
VL1600/3VL8 ²⁾	1600	640 ... 1600	$9 \times I_n$	$1.5 \dots 8 \times I_R$	$0.6 \dots 1 \times I_n$, OFF	3VL8716-1□□30-□□□□	1	1 unit	113	31.300

- Without communication preparation
- With communication preparation

SG
MG

¹⁾ When the circuit breaker with flat screw terminal is ordered, the basic price is reduced.

²⁾ Front busbar connection pieces are included in the scope of supply and are to be fitted by the customer.

Communication:

- For accessories, see page 2/95.
- For more information, see also chapters "Measuring Devices and Power Monitoring" and "Software".

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

3-pole

2

DT	I_{cu} up to 70 kA at 415 V, high breaking capacity H					(H)	DT	I_{cu} up to 100 kA at 415 V, very high breaking capacity L					(L)
	Article No.	Price, see page 2/36	PU (UNIT, SET, M)	PS* / P. unit	PG	Weight per PU approx.		Article No.	Price, see page 2/36	PU (UNIT, SET, M)	PS* / P. unit	PG	Weight per PU approx.
	Article No. supplement, see page 2/60; www.siemens.com/product?Article No.					kg		Article No. supplement, see page 2/60; www.siemens.com/product?Article No.					kg

3VL2706-2□□3□-□□□□	1	1 unit	113	2.400			3VL2706-3□□3□-□□□□	1	1 unit	113	2.400		
3VL2710-2□□3□-□□□□	1	1 unit	113	2.400			3VL2710-3□□3□-□□□□	1	1 unit	113	2.400		
3VL2716-2□□3□-□□□□	1	1 unit	113	2.400			3VL2716-3□□3□-□□□□	1	1 unit	113	2.400		
3VL3720-2□□3□-□□□□	1	1 unit	113	2.500			3VL3720-3□□3□-□□□□	1	1 unit	113	2.500		
3VL3725-2□□3□-□□□□	1	1 unit	113	2.500			3VL3725-3□□3□-□□□□	1	1 unit	113	2.500		

3
6

3
6

3VL4731-2□□36-□□□□	1	1 unit	113	5.900			3VL4731-3□□36-□□□□	1	1 unit	113	5.900		
3VL4740-2□□36-□□□□	1	1 unit	113	5.900			3VL4740-3□□36-□□□□	1	1 unit	113	5.900		
3VL5763-2□□36-□□□□	1	1 unit	113	9.300			3VL5763-3□□36-□□□□	1	1 unit	113	9.300		
3VL6780-2□□36-□□□□	1	1 unit	113	16.000			3VL6780-3□□36-□□□□	1	1 unit	113	16.000		
3VL7710-2□□36-□□□□	1	1 unit	113	25.000			3VL7710-3□□36-□□□□	1	1 unit	113	25.000		
3VL7712-2□□36-□□□□	1	1 unit	113	25.000			3VL7712-3□□36-□□□□	1	1 unit	113	25.000		
3VL8716-2□□30-□□□□	1	1 unit	113	31.300			3VL8716-3□□30-□□□□	1	1 unit	113	31.300		

SG
MG

SG
MG

Molded Case Circuit Breakers

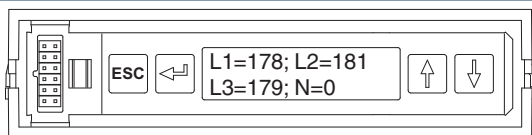
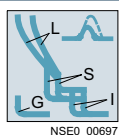
3VL Molded Case Circuit Breakers up to 1600 A, IEC

3-pole

2

Type	Rated current I_n	Current setting of the inverse-time delayed overcurrent releases "L" I_R	Operating current of the instantaneous short-circuit releases "I" I_i	S function short-circuit protection (short-time delayed) S	Ground-fault protection "G" I_g	DT	I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview".	(N)				
	A	A	A	A	A		Article No. Article No. supplement, see page 2/60; www.siemens.com/product?ArticleNo .	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg

3-pole, fixed-mounted, for system protection - generator protection, 63 A to 1600 A, Electronic Trip Units LSIG



LCD-ETU42, LSIG function for 3-wire three-phase systems and time-based discrimination

With adjustable overcurrent releases, adjustable short-circuit releases
Vectorial summation current formation, ground fault delay $t_g = 0.1 \dots 0.5$ s, short-circuit delay $t_{sd} = 0 \dots 0.5$ s

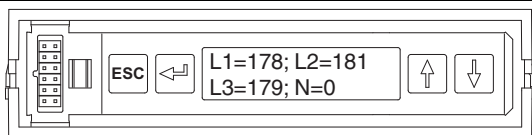
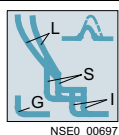
VL160/3VL2	63	25 ... 63	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.4 \dots 1 \times I_n$	3VL2706-1UL30-□□□□	1	1 unit	113	2.400
	100	40 ... 100	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.4 \dots 1 \times I_n$	3VL2710-1UL30-□□□□	1	1 unit	113	2.400
	160	64 ... 160	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.4 \dots 1 \times I_n$	3VL2716-1UL30-□□□□	1	1 unit	113	2.400
VL250/3VL3	200	80 ... 200	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.4 \dots 1 \times I_n$	3VL3720-1UL30-□□□□	1	1 unit	113	2.500
	250	100 ... 250	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.4 \dots 1 \times I_n$	3VL3725-1UL30-□□□□	1	1 unit	113	2.500

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal
- Connection with screw terminal¹⁾

3
6

VL400/3VL4	315	128 ... 315	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.4 \dots 1 \times I_n$	3VL4731-1UL36-□□□□	1	1 unit	113	5.900
	400	160 ... 400	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.4 \dots 1 \times I_n$	3VL4740-1UL36-□□□□	1	1 unit	113	5.900
VL630/3VL5	630	252 ... 630	$10 \times I_n$	$1.5 \dots 9 \times I_R$	$0.4 \dots 1 \times I_n$	3VL5763-1UL36-□□□□	1	1 unit	113	9.300
VL800/3VL6	800	320 ... 800	$8 \times I_n$	$1.5 \dots 7 \times I_R$	$0.4 \dots 1 \times I_n$	3VL6780-1UL36-□□□□	1	1 unit	113	16.000
VL1250/3VL7	1000	400 ... 1000	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.4 \dots 1 \times I_n$	3VL7710-1UL36-□□□□	1	1 unit	113	25.000
	1250	500 ... 1250	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.4 \dots 1 \times I_n$	3VL7712-1UL36-□□□□	1	1 unit	113	25.000
VL1600/3VL8 ²⁾	1600	640 ... 1600	$9 \times I_n$	$1.5 \dots 8 \times I_R$	$0.4 \dots 1 \times I_n$	3VL8716-1UL30-□□□□	1	1 unit	113	31.300



LCD-ETU42, LSIG function for 4-wire three-phase systems and time-based discrimination

With adjustable overcurrent releases, adjustable short-circuit releases. External current transformer required in addition, see page 2/94.
Vectorial summation current formation, ground fault delay $t_g = 0.1 \dots 0.5$ s, short-circuit delay $t_{sd} = 0 \dots 0.5$ s

VL160/3VL2	63	25 ... 63	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.4 \dots 1 \times I_n$	3VL2706-1UM30-□□□□	1	1 unit	113	2.400
	100	40 ... 100	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.4 \dots 1 \times I_n$	3VL2710-1UM30-□□□□	1	1 unit	113	2.400
	160	64 ... 160	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.4 \dots 1 \times I_n$	3VL2716-1UM30-□□□□	1	1 unit	113	2.400
VL250/3VL3	200	80 ... 200	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.4 \dots 1 \times I_n$	3VL3720-1UM30-□□□□	1	1 unit	113	2.500
	250	100 ... 250	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.4 \dots 1 \times I_n$	3VL3725-1UM30-□□□□	1	1 unit	113	2.500

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal
- Connection with screw terminal¹⁾

3
6

VL400/3VL4	315	128 ... 315	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.4 \dots 1 \times I_n$	3VL4731-1UM36-□□□□	1	1 unit	113	5.900
	400	160 ... 400	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.4 \dots 1 \times I_n$	3VL4740-1UM36-□□□□	1	1 unit	113	5.900
VL630/3VL5	630	252 ... 630	$10 \times I_n$	$1.5 \dots 9 \times I_R$	$0.4 \dots 1 \times I_n$	3VL5763-1UM36-□□□□	1	1 unit	113	9.300
VL800/3VL6	800	320 ... 800	$8 \times I_n$	$1.5 \dots 7 \times I_R$	$0.4 \dots 1 \times I_n$	3VL6780-1UM36-□□□□	1	1 unit	113	16.000
VL1250/3VL7	1000	400 ... 1000	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.4 \dots 1 \times I_n$	3VL7710-1UM36-□□□□	1	1 unit	113	25.000
	1250	500 ... 1250	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.4 \dots 1 \times I_n$	3VL7712-1UM36-□□□□	1	1 unit	113	25.000
VL1600/3VL8 ²⁾	1600	640 ... 1600	$9 \times I_n$	$1.5 \dots 8 \times I_R$	$0.4 \dots 1 \times I_n$	3VL8716-1UM30-□□□□	1	1 unit	113	31.300

¹⁾ When the circuit breaker with flat screw terminal is ordered, the basic price is reduced.

²⁾ Front busbar connection pieces are included in the scope of supply and are to be fitted by the customer.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

3-pole

2

DT I_{cu} up to 70 kA at 415 V, high breaking capacity H (H)						DT I_{cu} up to 100 kA at 415 V, very high breaking capacity L (L)					
Article No.	Basic price per PU	PU (UNIT, SET, M)	PS* / P. unit	PG	Weight per PU approx.	Article No.	Basic price per PU	PU (UNIT, SET, M)	PS* / P. unit	PG	Weight per PU approx.
Article No. supplement, see page 2/60; www.siemens.com/product?Article No.						Article No. supplement, see page 2/60; www.siemens.com/product?Article No.					
kg						kg					

3VL2706-2UL3□-□□□□	1	1 unit	113	2.400	3VL2706-3UL3□-□□□□	1	1 unit	113	2.400
3VL2710-2UL3□-□□□□	1	1 unit	113	2.400	3VL2710-3UL3□-□□□□	1	1 unit	113	2.400
3VL2716-2UL3□-□□□□	1	1 unit	113	2.400	3VL2716-3UL3□-□□□□	1	1 unit	113	2.400
3VL3720-2UL3□-□□□□	1	1 unit	113	2.500	3VL3720-3UL3□-□□□□	1	1 unit	113	2.500
3VL3725-2UL3□-□□□□	1	1 unit	113	2.500	3VL3725-3UL3□-□□□□	1	1 unit	113	2.500

3
63
6

3VL4731-2UL36-□□□□	1	1 unit	113	5.900	3VL4731-3UL36-□□□□	1	1 unit	113	5.900
3VL4740-2UL36-□□□□	1	1 unit	113	5.900	3VL4740-3UL36-□□□□	1	1 unit	113	5.900
3VL5763-2UL36-□□□□	1	1 unit	113	9.300	3VL5763-3UL36-□□□□	1	1 unit	113	9.300
3VL6780-2UL36-□□□□	1	1 unit	113	16.000	3VL6780-3UL36-□□□□	1	1 unit	113	16.000
3VL7710-2UL36-□□□□	1	1 unit	113	25.000	3VL7710-3UL36-□□□□	1	1 unit	113	25.000
3VL7712-2UL36-□□□□	1	1 unit	113	25.000	3VL7712-3UL36-□□□□	1	1 unit	113	25.000
3VL8716-2UL30-□□□□	1	1 unit	113	31.300	3VL8716-3UL30-□□□□	1	1 unit	113	31.300

3VL2706-2UM3□-□□□□	1	1 unit	113	2.400	3VL2706-3UM3□-□□□□	1	1 unit	113	2.400
3VL2710-2UM3□-□□□□	1	1 unit	113	2.400	3VL2710-3UM3□-□□□□	1	1 unit	113	2.400
3VL2716-2UM3□-□□□□	1	1 unit	113	2.400	3VL2716-3UM3□-□□□□	1	1 unit	113	2.400
3VL3720-2UM3□-□□□□	1	1 unit	113	2.500	3VL3720-3UM3□-□□□□	1	1 unit	113	2.500
3VL3725-2UM3□-□□□□	1	1 unit	113	2.500	3VL3725-3UM3□-□□□□	1	1 unit	113	2.500

3
63
6

3VL4731-2UM36-□□□□	1	1 unit	113	5.900	3VL4731-3UM36-□□□□	1	1 unit	113	5.900
3VL4740-2UM36-□□□□	1	1 unit	113	5.900	3VL4740-3UM36-□□□□	1	1 unit	113	5.900
3VL5763-2UM36-□□□□	1	1 unit	113	9.300	3VL5763-3UM36-□□□□	1	1 unit	113	9.300
3VL6780-2UM36-□□□□	1	1 unit	113	16.000	3VL6780-3UM36-□□□□	1	1 unit	113	16.000
3VL7710-2UM36-□□□□	1	1 unit	113	25.000	3VL7710-3UM36-□□□□	1	1 unit	113	25.000
3VL7712-2UM36-□□□□	1	1 unit	113	25.000	3VL7712-3UM36-□□□□	1	1 unit	113	25.000
3VL8716-2UM30-□□□□	1	1 unit	113	31.300	3VL8716-3UM30-□□□□	1	1 unit	113	31.300

Molded Case Circuit Breakers

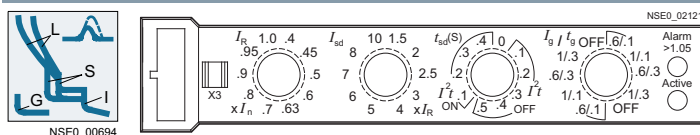
3VL Molded Case Circuit Breakers up to 1600 A, IEC

3-pole

2

Type	Rated current I_n	Current setting of the inverse-time delayed overcurrent releases "L" I_R	Operating current of the instantaneous short-circuit releases "I" I_i	S function short-circuit protection (short-time delayed) S	Ground-fault protection "G" I_g	DT	I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview".	(N)				
	A	A	A	A	A		Article No. Article No. supplement, see page 2/60; www.siemens.com/product?ArticleNo.	Price, see page 2/36	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg

3-pole, fixed-mounted, for system protection - generator protection, 63 A to 1600 A, Electronic Trip Units LSIG



ETU22, LSIG function for 4-wire three-phase systems and time-based discrimination

With adjustable overcurrent releases, non-adjustable short-circuit releases, external current transformers required in addition, see page 2/94. Ground fault delay $t_g = 0.1 \dots 0.3$ s, short-circuit delay $t_{sd} = 0 \dots 0.5$ s, ground-fault protection (G) can be switched off

VL160/3VL2	63 100 160	25 ... 63 40 ... 100 64 ... 160	$11 \times I_n$ $11 \times I_n$ $11 \times I_n$	$1.5 \dots 10 \times I_R$ $1.5 \dots 10 \times I_R$ $1.5 \dots 10 \times I_R$	$0.6 \dots 1 \times I_n$ $0.6 \dots 1 \times I_n$ $0.6 \dots 1 \times I_n$	OFF OFF OFF	3VL2706-1□□3□-□□□□ 3VL2710-1□□3□-□□□□ 3VL2716-1□□3□-□□□□	1 1 1	1 unit 1 unit 1 unit	113 113 113	2.400 2.400 2.400
VL250/3VL3	200 250	80 ... 200 100 ... 250	$11 \times I_n$ $11 \times I_n$	$1.5 \dots 10 \times I_R$ $1.5 \dots 10 \times I_R$	$0.6 \dots 1 \times I_n$ $0.6 \dots 1 \times I_n$	OFF OFF	3VL3720-1□□3□-□□□□ 3VL3725-1□□3□-□□□□	1 1	1 unit 1 unit	113 113	2.500 2.500

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal
- Connection with screw terminal¹⁾

3
6

VL400/3VL4	315 400	128 ... 315 160 ... 400	$11 \times I_n$ $11 \times I_n$	$1.5 \dots 10 \times I_R$ $1.5 \dots 10 \times I_R$	$0.6 \dots 1 \times I_n$ $0.6 \dots 1 \times I_n$	OFF OFF	3VL4731-1□□36-□□□□ 3VL4740-1□□36-□□□□	1 1	1 unit 1 unit	113 113	5.900 5.900
VL630/3VL5	630	252 ... 630	$10 \times I_n$	$1.5 \dots 9 \times I_R$	$0.6 \dots 1 \times I_n$	OFF	3VL5763-1□□36-□□□□	1	1 unit	113	9.300
VL800/3VL6	800	320 ... 800	$8 \times I_n$	$1.5 \dots 7 \times I_R$	$0.6 \dots 1 \times I_n$	OFF	3VL6780-1□□36-□□□□	1	1 unit	113	16.000
VL1250/3VL7	1000 1250	400 ... 1000 500 ... 1250	$11 \times I_n$ $11 \times I_n$	$1.5 \dots 10 \times I_R$ $1.5 \dots 10 \times I_R$	$0.6 \dots 1 \times I_n$ $0.6 \dots 1 \times I_n$	OFF OFF	3VL7710-1□□36-□□□□ 3VL7712-1□□36-□□□□	1 1	1 unit 1 unit	113 113	25.000 25.000
VL1600/3VL8 ²⁾	1600	640 ... 1600	$9 \times I_n$	$1.5 \dots 8 \times I_R$	$0.6 \dots 1 \times I_n$	OFF	3VL8716-1□□30-□□□□	1	1 unit	113	31.300

- Without communication preparation
- With communication preparation

SH
MH

¹⁾ When the circuit breaker with flat screw terminal is ordered, the basic price is reduced.

²⁾ Front busbar connection pieces are included in the scope of supply and are to be fitted by the customer.

Communication:

- For accessories, see page 2/95.
- For more information, see also chapters "Measuring Devices and Power Monitoring" and "Software".

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

3-pole

2

DT	I_{cu} up to 70 kA at 415 V, high breaking capacity H					(H)	DT	I_{cu} up to 100 kA at 415 V, very high breaking capacity L					(L)		
	Article No.	Price, see page 2/36	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.		Article No.	Price, see page 2/36	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.		
	www.siemens.com/product?Article No.						kg		www.siemens.com/product?Article No.						kg

3VL2706-2□□3□-□□□□	1	1 unit	113	2.400			3VL2706-3□□3□-□□□□	1	1 unit	113	2.400		
3VL2710-2□□3□-□□□□	1	1 unit	113	2.400			3VL2710-3□□3□-□□□□	1	1 unit	113	2.400		
3VL2716-2□□3□-□□□□	1	1 unit	113	2.400			3VL2716-3□□3□-□□□□	1	1 unit	113	2.400		
3VL3720-2□□3□-□□□□	1	1 unit	113	2.500			3VL3720-3□□3□-□□□□	1	1 unit	113	2.500		
3VL3725-2□□3□-□□□□	1	1 unit	113	2.500			3VL3725-3□□3□-□□□□	1	1 unit	113	2.500		

3
63
6

3VL4731-2□□36-□□□□	1	1 unit	113	5.900			3VL4731-3□□36-□□□□	1	1 unit	113	5.900		
3VL4740-2□□36-□□□□	1	1 unit	113	5.900			3VL4740-3□□36-□□□□	1	1 unit	113	5.900		
3VL5763-2□□36-□□□□	1	1 unit	113	9.300			3VL5763-3□□36-□□□□	1	1 unit	113	9.300		
3VL6780-2□□36-□□□□	1	1 unit	113	16.000			3VL6780-3□□36-□□□□	1	1 unit	113	16.000		
3VL7710-2□□36-□□□□	1	1 unit	113	25.000			3VL7710-3□□36-□□□□	1	1 unit	113	25.000		
3VL7712-2□□36-□□□□	1	1 unit	113	25.000			3VL7712-3□□36-□□□□	1	1 unit	113	25.000		
3VL8716-2□□30-□□□□	1	1 unit	113	31.300			3VL8716-3□□30-□□□□	1	1 unit	113	31.300		

SH
MHSH
MH

Molded Case Circuit Breakers

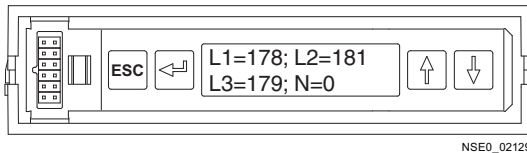
3VL Molded Case Circuit Breakers up to 1600 A, IEC

3-pole

2

Type	Rated current I_n	Current setting of the inverse-time delayed overcurrent releases "L" I_R	Operating current of the instantaneous short-circuit releases "I" I_i	S function short-circuit protection (short-time delayed) S	DT	I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview".					
	A	A	A	A		Article No. Article No. supplement, see page 2/60; www.siemens.com/product?ArticleNo.	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg

3-pole, fixed-mounted, for system protection - generator protection, 63 A to 1600 A, Electronic Trip Units LI, LS, LSI



LCD-ETU40, LI/LS/LSI function selectable

With adjustable overcurrent releases, adjustable short-circuit releases, short-circuit delay ($t_{sd} = 0$ to 0.5 s)

VL160/3VL2	63	25 ... 63	1.25 ... 11 × I_n	1.5 ... 10 × I_R	3VL2706-1UH3□-□□□□	1	1 unit	113	2.400
	100	40 ... 100	1.25 ... 11 × I_n	1.5 ... 10 × I_R	3VL2710-1UH3□-□□□□	1	1 unit	113	2.400
	160	64 ... 160	1.25 ... 11 × I_n	1.5 ... 10 × I_R	3VL2716-1UH3□-□□□□	1	1 unit	113	2.400
VL250/3VL3	200	80 ... 200	1.25 ... 11 × I_n	1.5 ... 10 × I_R	3VL3720-1UH3□-□□□□	1	1 unit	113	2.500
	250	100 ... 250	1.25 ... 11 × I_n	1.5 ... 10 × I_R	3VL3725-1UH3□-□□□□	1	1 unit	113	2.500

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal
- Connection with screw terminal¹⁾

3
6

VL400/3VL4	315	128 ... 315	1.25 ... 11 × I_n	1.5 ... 10 × I_R	3VL4731-1UH36-□□□□	1	1 unit	113	5.900
	400	160 ... 400	1.25 ... 11 × I_n	1.5 ... 10 × I_R	3VL4740-1UH36-□□□□	1	1 unit	113	5.900
VL630/3VL5	630	252 ... 630	1.25 ... 10 × I_n	1.5 ... 9 × I_R	3VL5763-1UH36-□□□□	1	1 unit	113	9.300
VL800/3VL6	800	320 ... 800	1.25 ... 8 × I_n	1.5 ... 7 × I_R	3VL6780-1UH36-□□□□	1	1 unit	113	16.000
VL1250/3VL7	1000	400 ... 1000	1.25 ... 11 × I_n	1.5 ... 10 × I_R	3VL7710-1UH36-□□□□	1	1 unit	113	25.000
	1250	500 ... 1250	1.25 ... 11 × I_n	1.5 ... 10 × I_R	3VL7712-1UH36-□□□□	1	1 unit	113	25.000
VL1600/3VL8 ²⁾	1600	640 ... 1600	1.25 ... 9 × I_n	1.5 ... 8 × I_R	3VL8716-1UH30-□□□□	1	1 unit	113	31.300

¹⁾ When the circuit breaker with flat screw terminal is ordered, the basic price is reduced.

²⁾ Front busbar connection pieces are included in the scope of supply and are to be fitted by the customer.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

3-pole

2

DT	I_{cu} up to 70 kA at 415 V, high breaking capacity H	(H)	DT	I_{cu} up to 100 kA at 415 V, very high breaking capacity L	(L)	
Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.	kg

3VL2706-2UH3□-□□□□	1	1 unit	113	2.400	3VL2706-3UH3□-□□□□	1	1 unit	113	2.400
3VL2710-2UH3□-□□□□	1	1 unit	113	2.400	3VL2710-3UH3□-□□□□	1	1 unit	113	2.400
3VL2716-2UH3□-□□□□	1	1 unit	113	2.400	3VL2716-3UH3□-□□□□	1	1 unit	113	2.400
3VL3720-2UH3□-□□□□	1	1 unit	113	2.500	3VL3720-3UH3□-□□□□	1	1 unit	113	2.500
3VL3725-2UH3□-□□□□	1	1 unit	113	2.500	3VL3725-3UH3□-□□□□	1	1 unit	113	2.500

3
63
6

3VL4731-2UH36-□□□□	1	1 unit	113	5.900	3VL4731-3UH36-□□□□	1	1 unit	113	5.900
3VL4740-2UH36-□□□□	1	1 unit	113	5.900	3VL4740-3UH36-□□□□	1	1 unit	113	5.900
3VL5763-2UH36-□□□□	1	1 unit	113	9.300	3VL5763-3UH36-□□□□	1	1 unit	113	9.300
3VL6780-2UH36-□□□□	1	1 unit	113	16.000	3VL6780-3UH36-□□□□	1	1 unit	113	16.000
3VL7710-2UH36-□□□□	1	1 unit	113	25.000	3VL7710-3UH36-□□□□	1	1 unit	113	25.000
3VL7712-2UH36-□□□□	1	1 unit	113	25.000	3VL7712-3UH36-□□□□	1	1 unit	113	25.000
3VL8716-2UH30-□□□□	1	1 unit	113	31.300	3VL8716-3UH30-□□□□	1	1 unit	113	31.300

Molded Case Circuit Breakers

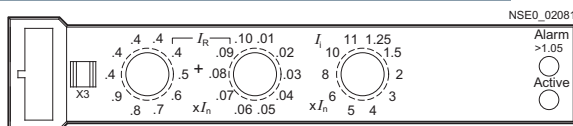
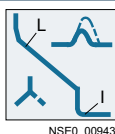
3VL Molded Case Circuit Breakers up to 1600 A, IEC

3-pole

2

Type	Rated current I_n	Current setting of the inverse-time delayed overcurrent releases 'L' I_R	Operating current of the instantaneous short-circuit releases 'I' I_i	DT	I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview".	(N)				
	A	A	A		Article No. Article No. supplement, see page 2/60; www.siemens.com/product?Article No.	Price, see page 2/36	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg

3-pole, fixed-mounted, for motor protection, 63 A to 500 A, Electronic Trip Units LI



ETU10M, LI function¹⁾

With thermal image, with non-adjustable trip class $t_C = 10$, with phase failure sensitivity 40 % I_R

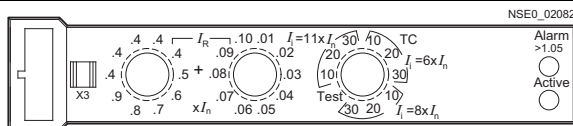
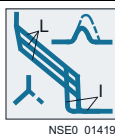
VL160/3VL2	63	25 ... 63	1.25 ... $11 \times I_n$	3VL2706-1□□3□-□□□□	1	1 unit	113	2,400
	100	40 ... 100	1.25 ... $11 \times I_n$	3VL2710-1□□3□-□□□□	1	1 unit	113	2,400
	160	64 ... 160	1.25 ... $11 \times I_n$	3VL2716-1□□3□-□□□□	1	1 unit	113	2,400
VL250/3VL3	200	80 ... 200	1.25 ... $11 \times I_n$	3VL3720-1□□3□-□□□□	1	1 unit	113	2,500
	250	100 ... 250	1.25 ... $11 \times I_n$	3VL3725-1□□3□-□□□□	1	1 unit	113	2,500

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal
 - Connection with screw terminal²⁾
- 3**
6

VL400/3VL4	315	125 ... 315	1.25 ... $11 \times I_n$	3VL4731-1□□36-□□□□	1	1 unit	113	5,900
VL630/3VL5	500	200 ... 500	1.25 ... $12.5 \times I_n$	3VL5750-1□□36-□□□□	1	1 unit	113	9,300

- Without communication preparation
 - With communication preparation
- SP**
MP



ETU30M, LI function¹⁾

With thermal image, with adjustable trip class $t_C = 10, 20, 30$, with phase failure sensitivity 40 % I_R

VL160/3VL2	63	25 ... 63	$6/8/11 \times I_n$	3VL2706-1□□3□-□□□□	1	1 unit	113	2,400
	100	40 ... 100	$6/8/11 \times I_n$	3VL2710-1□□3□-□□□□	1	1 unit	113	2,400
	160	64 ... 160	$6/8/11 \times I_n$	3VL2716-1□□3□-□□□□	1	1 unit	113	2,400
VL250/3VL3	200	80 ... 200	$6/8/11 \times I_n$	3VL3720-1□□3□-□□□□	1	1 unit	113	2,500
	250	100 ... 250	$6/8/11 \times I_n$	3VL3725-1□□3□-□□□□	1	1 unit	113	2,500

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal
 - Connection with screw terminal²⁾
- 3**
6

VL400/3VL4	315	125 ... 315	$6/8/11 \times I_n$	3VL4731-1□□36-□□□□	1	1 unit	113	5,900
VL630/3VL5	500	200 ... 500	$6/8/12.5 \times I_n$	3VL5750-1□□36-□□□□	1	1 unit	113	9,300

- Without communication preparation
 - With communication preparation
 - Marine engineering-certified LRS, DNV, GL and BV (not communication-ready)
- SS**
MS
LS

Communication:

- For accessories, see page 2/95.
- For more information, see also chapters "Measuring Devices and Power Monitoring" and "Software".

¹⁾ For use of 3VL molded case circuit breakers with an energy-efficient IE3 motor, you are advised to use a contactor for operational switching of the motor; see also page 2/10.

²⁾ When the circuit breaker with flat screw terminal is ordered, the basic price is reduced.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

3-pole

2

DT	I_{cu} up to 70 kA at 415 V, high breaking capacity H					(H)	DT	I_{cu} up to 100 kA at 415 V, very high breaking capacity L					(L)
Article No.	Price, see page 2/36	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.		Article No.	Price, see page 2/36	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.	
Article No. supplement, see page 2/60; www.siemens.com/product?Article No.						kg	Article No. supplement, see page 2/60; www.siemens.com/product?Article No.						kg

3VL2706-2□□3□-□□□□	1	1 unit	113	2.400		3VL2706-3□□3□-□□□□	1	1 unit	113	2.400	
3VL2710-2□□3□-□□□□	1	1 unit	113	2.400		3VL2710-3□□3□-□□□□	1	1 unit	113	2.400	
3VL2716-2□□3□-□□□□	1	1 unit	113	2.400		3VL2716-3□□3□-□□□□	1	1 unit	113	2.400	
3VL3720-2□□3□-□□□□	1	1 unit	113	2.500		3VL3720-3□□3□-□□□□	1	1 unit	113	2.500	
3VL3725-2□□3□-□□□□	1	1 unit	113	2.500		3VL3725-3□□3□-□□□□	1	1 unit	113	2.500	

3
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3
6

3VL4731-2□□36-□□□□	1	1 unit	113	5.900		3VL4731-3□□36-□□□□	1	1 unit	113	5.900	
3VL5750-2□□36-□□□□	1	1 unit	113	9.300		3VL5750-3□□36-□□□□	1	1 unit	113	9.300	

SP
MP

SP
MP

3VL2706-2□□3□-□□□□	1	1 unit	113	2.400		3VL2706-3□□3□-□□□□	1	1 unit	113	2.400	
3VL2710-2□□3□-□□□□	1	1 unit	113	2.400		3VL2710-3□□3□-□□□□	1	1 unit	113	2.400	
3VL2716-2□□3□-□□□□	1	1 unit	113	2.400		3VL2716-3□□3□-□□□□	1	1 unit	113	2.400	
3VL3720-2□□3□-□□□□	1	1 unit	113	2.500		3VL3720-3□□3□-□□□□	1	1 unit	113	2.500	
3VL3725-2□□3□-□□□□	1	1 unit	113	2.500		3VL3725-3□□3□-□□□□	1	1 unit	113	2.500	

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6

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6

3VL4731-2□□36-□□□□	1	1 unit	113	5.900		3VL4731-3□□36-□□□□	1	1 unit	113	5.900	
3VL5750-2□□36-□□□□	1	1 unit	113	9.300		3VL5750-3□□36-□□□□	1	1 unit	113	9.300	

SS
MS
LS

SS
MS
LS

Molded Case Circuit Breakers

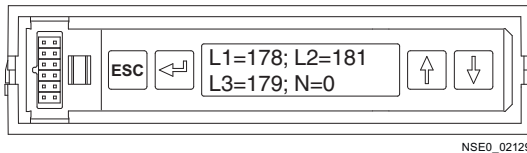
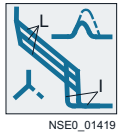
3VL Molded Case Circuit Breakers up to 1600 A, IEC

3-pole

2

Type	Rated current I_n	Current setting of the inverse-time delayed overcurrent releases "L" I_R	Operating current of the instantaneous short-circuit releases "I" I_i	DT	I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview".	(N)
	A	A	A		Article No. Article No. supplement, see page 2/60; www.siemens.com/product?ArticleNo.	Basic price per PU PU (UNIT, SET, M) PS*/P. unit PG Weight per PU approx. kg

3-pole, fixed-mounted, for motor protection, 63 A to 500 A, Electronic Trip Units LI



LCD-ETU40M, LI function¹⁾

With thermal image, with adjustable trip class $I_C = 5, 10, 15, 20, 30$, phase failure sensitivity adjustable in steps 5 ... 50 % I_R

VL160/3VL2	63	25 ... 63	$1.25 \dots 11 \times I_n$	3VL2706-1UP3□-□□□□	1	1 unit	113	2.400
	100	40 ... 100	$1.25 \dots 11 \times I_n$	3VL2710-1UP3□-□□□□	1	1 unit	113	2.400
	160	64 ... 160	$1.25 \dots 11 \times I_n$	3VL2716-1UP3□-□□□□	1	1 unit	113	2.400
VL250/3VL3	200	80 ... 200	$1.25 \dots 11 \times I_n$	3VL3720-1UP3□-□□□□	1	1 unit	113	2.500
	250	100 ... 250	$1.25 \dots 11 \times I_n$	3VL3725-1UP3□-□□□□	1	1 unit	113	2.500

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal
- Connection with screw terminal²⁾

3
6

VL400/3VL4	315	128 ... 315	$1.25 \dots 11 \times I_n$	3VL4731-1UP36-□□□□	1	1 unit	113	5.900
VL630/3VL5	500	250 ... 500	$1.25 \dots 11 \times I_n$	3VL5750-1UP36-□□□□	1	1 unit	113	9.300

¹⁾ For use of 3VL molded case circuit breakers with an energy-efficient IE3 motor, you are advised to use a contactor for operational switching of the motor; see also page 2/10.

²⁾ When the circuit breaker with flat screw terminal is ordered, the basic price is reduced.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

3-pole

2

DT I_{cu} up to 70 kA at 415 V, high breaking capacity H (H)						DT I_{cu} up to 100 kA at 415 V, very high breaking capacity L (L)					
Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg	Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg
3VL2706-2UP3□-□□□□		1	1 unit	113	2.400	3VL2706-3UP3□-□□□□		1	1 unit	113	2.400
3VL2710-2UP3□-□□□□		1	1 unit	113	2.400	3VL2710-3UP3□-□□□□		1	1 unit	113	2.400
3VL2716-2UP3□-□□□□		1	1 unit	113	2.400	3VL2716-3UP3□-□□□□		1	1 unit	113	2.400
3VL3720-2UP3□-□□□□		1	1 unit	113	2.500	3VL3720-3UP3□-□□□□		1	1 unit	113	2.500
3VL3725-2UP3□-□□□□		1	1 unit	113	2.500	3VL3725-3UP3□-□□□□		1	1 unit	113	2.500
<div style="display: flex; justify-content: space-around; width: 100%;"> 3 6 3 6 </div>											
3VL4731-2UP36-□□□□		1	1 unit	113	5.900	3VL4731-3UP36-□□□□		1	1 unit	113	5.900
3VL5750-2UP36-□□□□		1	1 unit	113	9.300	3VL5750-3UP36-□□□□		1	1 unit	113	9.300

Molded Case Circuit Breakers

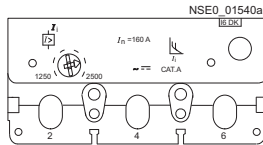
3VL Molded Case Circuit Breakers up to 1600 A, IEC

3-pole

2

Type	Rated current I_n	Operating current of the instantaneous short-circuit releases I_i	DT	I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview".	(N)	Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/P: unit	PG	Weight per PU approx.
	A					Article No. supplement, see page 2/60; www.siemens.com/product?ArticleNo.					kg

3-pole, fixed-mounted, for starter protection, 63 A ... 500 A, magnetic trip unit



Starter protection, M, I function¹⁾

Without overcurrent release, with adjustable short-circuit release

VL160/3VL2	63	450 ... 900	3VL2706-1DK3□-□□□□	1	1 unit	113	2.200
	100	750 ... 1500	3VL2710-1DK3□-□□□□	1	1 unit	113	2.200
	160	1250 ... 2500	3VL2716-1DK3□-□□□□	1	1 unit	113	2.200
VL250/3VL3	250	1750 ... 3500	3VL3725-1DK3□-□□□□	1	1 unit	113	2.300

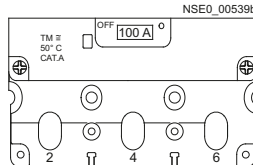
Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal
- Connection with screw terminal²⁾

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6

VL400/3VL4	200	1250 ... 2500	3VL4720-1DK36-□□□□	1	1 unit	113	5.700
	250	2000 ... 4000	3VL4725-1DK36-□□□□	1	1 unit	113	5.700
	315	2000 ... 4000	3VL4731-1DK36-□□□□	1	1 unit	113	5.700
VL630/3VL5	315	2000 ... 4000	3VL5731-1DK36-□□□□	1	1 unit	113	9.000
	500	3250 ... 6300	3VL5750-1DK36-□□□□	1	1 unit	113	9.000

3-pole, fixed-mounted, for safe disconnection, 100 A ... 1600 A, magnetic trip unit



Non-automatic molded case circuit breakers³⁾, I function

Without overcurrent release, with non-adjustable short-circuit release (for intrinsic protection only)

VL160X/3VL1	100	1800	3VL1710-1DE3□-□□□□	1	1 unit	113	2.000
	160	1800	3VL1716-1DE3□-□□□□	1	1 unit	113	2.000
VL160/3VL2	100	2500	3VL2710-1DE3□-□□□□	1	1 unit	113	2.200
	160	2500	3VL2716-1DE3□-□□□□	1	1 unit	113	2.200
VL250/3VL3	250	3500	3VL3725-1DE3□-□□□□	1	1 unit	113	2.300

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal
- Connection with screw terminal not in conjunction with RCD module at 3VL1²⁾

3
6

VL400/3VL4	400	4000	3VL4740-1DE36-□□□□	1	1 unit	113	5.700
VL630/3VL5	630	6300	3VL5763-1DE36-□□□□	1	1 unit	113	9.000
VL800/3VL6	800	6500	3VL6780-1DE36-□□□□	1	1 unit	113	15.700
VL1250/3VL7	1250	12000	3VL7712-1DE36-□□□□	1	1 unit	113	23.500
VL1600/3VL8 ⁴⁾	1600	14400	3VL8716-1DE30-□□□□	1	1 unit	113	29.800

For further versions, including for short-circuit and ground fault protection, see pages 2/16 to 2/32.

- For use of 3VL molded case circuit breakers with an energy-efficient IE3 motor, you are advised to use a contactor for operational switching of the motor; see also page 2/10.
- When the circuit breaker with flat screw terminal is ordered, the basic price is reduced.
- See also chapter "Switch Disconnectors". 3K. switch disconnectors are also available with rear-mounting operating mechanism and leading contacts.
- Front busbar connection pieces are included in the scope of supply and are to be fitted by the customer.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

3-pole

2

DT	I_{cu} up to 70 kA at 415 V, high breaking capacity H					(H)	DT	I_{cu} up to 100 kA at 415 V, very high breaking capacity L					(L)
Article No.	Basic price per PU	PU (UNIT, SET, M)	PS* P. unit	PG	Weight per PU approx.		Article No.	Basic price per PU	PU (UNIT, SET, M)	PS* P. unit	PG	Weight per PU approx.	
Article No. supplement, see page 2/60; www.siemens.com/product?Article No.						kg	Article No. supplement, see page 2/60; www.siemens.com/product?Article No.						kg

3VL2706-2DK3□-□□□□	1	1 unit	113	2,200	3VL2706-3DK3□-□□□□	1	1 unit	113	2,200
3VL2710-2DK3□-□□□□	1	1 unit	113	2,200	3VL2710-3DK3□-□□□□	1	1 unit	113	2,200
3VL2716-2DK3□-□□□□	1	1 unit	113	2,200	3VL2716-3DK3□-□□□□	1	1 unit	113	2,200
3VL3725-2DK3□-□□□□	1	1 unit	113	2,300	3VL3725-3DK3□-□□□□	1	1 unit	113	2,300

3
63
6

3VL4720-2DK36-□□□□	1	1 unit	113	5,700	3VL4720-3DK36-□□□□	1	1 unit	113	5,700
3VL4725-2DK36-□□□□	1	1 unit	113	5,700	3VL4725-3DK36-□□□□	1	1 unit	113	5,700
3VL4731-2DK36-□□□□	1	1 unit	113	5,700	3VL4731-3DK36-□□□□	1	1 unit	113	5,700
3VL5731-2DK36-□□□□	1	1 unit	113	9,000	3VL5731-3DK36-□□□□	1	1 unit	113	9,000
3VL5750-2DK36-□□□□	1	1 unit	113	9,000	3VL5750-3DK36-□□□□	1	1 unit	113	9,000

3VL1710-2DE3□-□□□□	1	1 unit	113	2,000	--				
3VL1716-2DE3□-□□□□	1	1 unit	113	2,000	--				
3VL2710-2DE3□-□□□□	1	1 unit	113	2,200	3VL2710-3DE3□-□□□□	1	1 unit	113	2,200
3VL2716-2DE3□-□□□□	1	1 unit	113	2,200	3VL2716-3DE3□-□□□□	1	1 unit	113	2,200
3VL3725-2DE3□-□□□□	1	1 unit	113	2,300	3VL3725-3DE3□-□□□□	1	1 unit	113	2,300

3
63
6

3VL4740-2DE36-□□□□	1	1 unit	113	5,700	3VL4740-3DE36-□□□□	1	1 unit	113	5,700
3VL5763-2DE36-□□□□	1	1 unit	113	9,000	3VL5763-3DE36-□□□□	1	1 unit	113	9,000
3VL6780-2DE36-□□□□	1	1 unit	113	15,700	3VL6780-3DE36-□□□□	1	1 unit	113	15,700
3VL7712-2DE36-□□□□	1	1 unit	113	23,500	3VL7712-3DE36-□□□□	1	1 unit	113	23,500
3VL8716-2DE30-□□□□	1	1 unit	113	29,800	3VL8716-3DE30-□□□□	1	1 unit	113	29,800

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

3-pole

Article No. supplement (for complete Article No., see pages 2/16 to 2/32) 3VL.7 ..-□□3-... Releases	Breaking capacity	Type VL160¹⁾ 3VL2	VL250¹⁾ 3VL3		VL400 3VL4		VL630 3VL5		VL800 3VL6		VL1250 3VL7		VL1600 3VL8			
			Rated current I_n													
			63 A	100 A	160 A	200 A	250 A	315 A	400 A	500 A	630 A	800 A	1000 A	1250 A	1600 A	
Price																
ETU10 SB	N H L	3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
ETU10 MB	N H L	3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
ETU10 LB	N H L	3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
ETU12 SL	N H L	3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
ETU12 ML	N H L	3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
ETU12 SF	N H L	3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
ETU12 MF	N H L	3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
ETU20 SE	N H L	3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
ETU20 ME	N H L	3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
ETU20 LE	N H L	3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
ETU22 SG	N H L	3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
ETU22 MG	N H L	3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
ETU42 UL	N H L	3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
ETU42 UM	N H L	3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
ETU22 SH	N H L	3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
ETU22 MH	N H L	3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
ETU40 UH	N H L	3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		
		3	3	3	3	3	3	3	3	3	3	3	3	3		

✓ Available

-- Not available

¹⁾ The basic price is reduced when the molded case circuit breaker is ordered with a flat screw terminal ".36-".

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

3-pole

2

Article No. supplement (for complete Article No., see pages 2/16 to 2/32) 3VL.7 .. - .□□3-.... Releases	Breaking capacity	Type VL160 ¹⁾ 3VL2	VL250 ¹⁾ 3VL3		VL400 3VL4		VL630 3VL5		VL800 3VL6		VL1250 3VL7		VL1600 3VL8			
			Rated current I_n													
			63 A	100 A	160 A	200 A	250 A	315 A	400 A	500 A	630 A	800 A	1000 A	1250 A	1600 A	
Price																
ETU10M SP	N H L	3	3	3	3	3	3	--	3	--	--	--	--	--		
		3	3	3	3	3	3	--	3	--	--	--	--	--		
		3	3	3	3	3	3	--	3	--	--	--	--	--		
ETU10M MP	N H L	3	3	3	3	3	3	--	3	--	--	--	--	--		
		3	3	3	3	3	3	--	3	--	--	--	--	--		
		3	3	3	3	3	3	--	3	--	--	--	--	--		
ETU30M SS	N H L	3	3	3	3	3	3	--	3	--	--	--	--	--		
		3	3	3	3	3	3	--	3	--	--	--	--	--		
		3	3	3	3	3	3	--	3	--	--	--	--	--		
ETU30M MS	N H L	3	3	3	3	3	3	--	3	--	--	--	--	--		
		3	3	3	3	3	3	--	3	--	--	--	--	--		
		3	3	3	3	3	3	--	3	--	--	--	--	--		
ETU30M LS	N H L	3	3	3	3	3	3	--	3	--	--	--	--	--		
		3	3	3	3	3	3	--	3	--	--	--	--	--		
		3	3	3	3	3	3	--	3	--	--	--	--	--		
ETU40M UP	N H L	3	3	3	3	3	3	--	3	--	--	--	--	--		
		3	3	3	3	3	3	--	3	--	--	--	--	--		
		3	3	3	3	3	3	--	3	--	--	--	--	--		

✓ Available

-- Not available

1) The basic price is reduced when the molded case circuit breaker is ordered with a flat screw terminal ".36-".

Molded Case Circuit Breakers

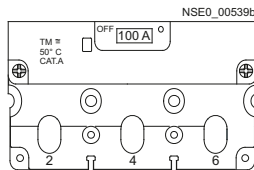
3VL Molded Case Circuit Breakers up to 1600 A, IEC

4-pole

Selection and ordering data

Type	Rated current I_n	Current setting of the inverse-time delayed overcurrent releases I_R	Operating current of the instantaneous short-circuit releases I^i I_i	DT	I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview".						
	A	A	A		Article No. Article No. supplement, see page 2/60; www.siemens.com/ product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.	(N) kg

4-pole, fixed-mounted, for system protection, 16 A ... 630 A, thermal-magnetic overcurrent releases LI



System protection, TM, LI function

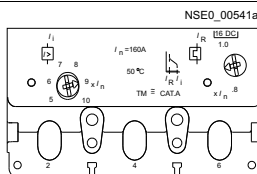
With non-adjustable thermal overcurrent releases, non-adjustable short-circuit releases, without overcurrent and short-circuit release in the 4th pole (N)

VL160X/3VL1	I_n	I_R	I_i	Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
	16	16	300	3VL1796-1EH4□-□□□□		1	1 unit	113	2.300
	20	20	300	3VL1702-1EH4□-□□□□		1	1 unit	113	2.300
	25	25	300	3VL1725-1EH4□-□□□□		1	1 unit	113	2.500
	32	32	300	3VL1703-1EH4□-□□□□		1	1 unit	113	2.500
	40	40	600	3VL1704-1EH4□-□□□□		1	1 unit	113	2.500
	50	50	600	3VL1705-1EH4□-□□□□		1	1 unit	113	2.500
	63	63	600	3VL1706-1EH4□-□□□□		1	1 unit	113	2.500
	80	80	1000	3VL1708-1EH4□-□□□□		1	1 unit	113	2.500
	100	100	1000	3VL1710-1EH4□-□□□□		1	1 unit	113	2.500
	125	125	1000	3VL1712-1EH4□-□□□□		1	1 unit	113	2.500
	160	160	1500	3VL1716-1EH4□-□□□□		1	1 unit	113	2.500

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal
- Connection with screw terminal not in conjunction with RCD module¹⁾

3
6



System protection, TM, LI function

With adjustable thermal overcurrent releases, adjustable short-circuit releases, without overcurrent and short-circuit release in the 4th pole (N)

VL160/3VL2	I_n	I_R	I_i	Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
	50	40 ... 50	300 ... 600	3VL2705-1EJ4□-□□□□		1	1 unit	113	3.000
	63	50 ... 63	300 ... 600	3VL2706-1EJ4□-□□□□		1	1 unit	113	3.000
	80	63 ... 80	400 ... 800	3VL2708-1EJ4□-□□□□		1	1 unit	113	3.000
	100	80 ... 100	500 ... 1000	3VL2710-1EJ4□-□□□□		1	1 unit	113	3.000
	125	100 ... 125	625 ... 1250	3VL2712-1EJ4□-□□□□		1	1 unit	113	3.000
	160	125 ... 160	800 ... 1600	3VL2716-1EJ4□-□□□□		1	1 unit	113	3.000
VL250/3VL3	200	160 ... 200	1000 ... 2000	3VL3720-1EJ4□-□□□□		1	1 unit	113	3.200
	250	200 ... 250	1250 ... 2500	3VL3725-1EJ4□-□□□□		1	1 unit	113	3.200

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal
- Connection with flat screw terminal¹⁾

3
6

VL400/3VL4	I_n	I_R	I_i	Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
	200	160 ... 200	1000 ... 2000	3VL4720-1EJ46-□□□□		1	1 unit	113	7.400
	250	200 ... 250	1250 ... 2500	3VL4725-1EJ46-□□□□		1	1 unit	113	7.400
	315	250 ... 315	1575 ... 3150	3VL4731-1EJ46-□□□□		1	1 unit	113	7.400
	400	320 ... 400	2000 ... 4000	3VL4740-1EJ46-□□□□		1	1 unit	113	7.400
VL630/3VL5	315	250 ... 315	1575 ... 3150	3VL5731-1EJ46-□□□□		1	1 unit	113	11.200
	400	320 ... 400	2000 ... 4000	3VL5740-1EJ46-□□□□		1	1 unit	113	11.200
	500	400 ... 500	2500 ... 5000	3VL5750-1EJ46-□□□□		1	1 unit	113	11.200
	630	500 ... 630	3150 ... 6300	3VL5763-1EJ46-□□□□		1	1 unit	113	11.200

¹⁾ When the circuit breaker with flat screw terminal is ordered, the basic price is reduced.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

4-pole

2

DT	I_{cu} up to 70 kA at 415 V, high breaking capacity H						(H)	DT	I_{cu} up to 100 kA at 415 V, very high breaking capacity L						(L)
	Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.		Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.		
	Article No. supplement, see page 2/60; www.siemens.com/product?Article No.					kg		Article No. supplement, see page 2/60; www.siemens.com/product?Article No.					kg		

3VL1796-2EH4□-□□□□	1	1 unit	113	2,300	--
3VL1702-2EH4□-□□□□	1	1 unit	113	2,300	--
3VL1725-2EH4□-□□□□	1	1 unit	113	2,500	--
3VL1703-2EH4□-□□□□	1	1 unit	113	2,500	--
3VL1704-2EH4□-□□□□	1	1 unit	113	2,500	--
3VL1705-2EH4□-□□□□	1	1 unit	113	2,500	--
3VL1706-2EH4□-□□□□	1	1 unit	113	2,500	--
3VL1708-2EH4□-□□□□	1	1 unit	113	2,500	--
3VL1710-2EH4□-□□□□	1	1 unit	113	2,500	--
3VL1712-2EH4□-□□□□	1	1 unit	113	2,500	--
3VL1716-2EH4□-□□□□	1	1 unit	113	2,500	--

3
6

3VL2705-2EJ4□-□□□□	1	1 unit	113	3,000	3VL2705-3EJ4□-□□□□	1	1 unit	113	3,000
3VL2706-2EJ4□-□□□□	1	1 unit	113	3,000	3VL2706-3EJ4□-□□□□	1	1 unit	113	3,000
3VL2708-2EJ4□-□□□□	1	1 unit	113	3,000	3VL2708-3EJ4□-□□□□	1	1 unit	113	3,000
3VL2710-2EJ4□-□□□□	1	1 unit	113	3,000	3VL2710-3EJ4□-□□□□	1	1 unit	113	3,000
3VL2712-2EJ4□-□□□□	1	1 unit	113	3,000	3VL2712-3EJ4□-□□□□	1	1 unit	113	3,000
3VL2716-2EJ4□-□□□□	1	1 unit	113	3,000	3VL2716-3EJ4□-□□□□	1	1 unit	113	3,000
3VL3720-2EJ4□-□□□□	1	1 unit	113	3,200	3VL3720-3EJ4□-□□□□	1	1 unit	113	3,200
3VL3725-2EJ4□-□□□□	1	1 unit	113	3,200	3VL3725-3EJ4□-□□□□	1	1 unit	113	3,200

3
6

3
6

3VL4720-2EJ46-□□□□	1	1 unit	113	7,400	3VL4720-3EJ46-□□□□	1	1 unit	113	7,400
3VL4725-2EJ46-□□□□	1	1 unit	113	7,400	3VL4725-3EJ46-□□□□	1	1 unit	113	7,400
3VL4731-2EJ46-□□□□	1	1 unit	113	7,400	3VL4731-3EJ46-□□□□	1	1 unit	113	7,400
3VL4740-2EJ46-□□□□	1	1 unit	113	7,400	3VL4740-3EJ46-□□□□	1	1 unit	113	7,400
3VL5731-2EJ46-□□□□	1	1 unit	113	11,200	3VL5731-3EJ46-□□□□	1	1 unit	113	11,200
3VL5740-2EJ46-□□□□	1	1 unit	113	11,200	3VL5740-3EJ46-□□□□	1	1 unit	113	11,200
3VL5750-2EJ46-□□□□	1	1 unit	113	11,200	3VL5750-3EJ46-□□□□	1	1 unit	113	11,200
3VL5763-2EJ46-□□□□	1	1 unit	113	11,200	3VL5763-3EJ46-□□□□	1	1 unit	113	11,200

* You can order this quantity or a multiple thereof.

Molded Case Circuit Breakers

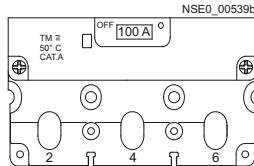
3VL Molded Case Circuit Breakers up to 1600 A, IEC

4-pole

2

Type	Rated current I_n	Current setting of the inverse-time delayed overcurrent releases "L" I_R	Operating current of the instantaneous short-circuit releases "I" I_i	DT	I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview".					
	A	A	A		Article No. Article No. supplement, see page 2/60; www.siemens.com/product?ArticleNo.	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
										kg

4-pole, fixed-mounted, for system protection, 16 A ... 160 A, thermal-magnetic overcurrent releases LIN



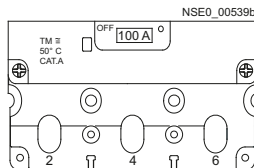
System protection, TM, LIN function

With non-adjustable thermal overcurrent releases, non-adjustable short-circuit releases, with "N" overcurrent and short-circuit release
N protection = 100 %

VL160X/3VL1	I_n	I_R	I_i	Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
	16	16	300	3VL1796-1EA4□-□□□□		1	1 unit	113	2.300
	20	20	300	3VL1702-1EA4□-□□□□		1	1 unit	113	2.300
	25	25	300	3VL1725-1EA4□-□□□□		1	1 unit	113	2.500
	32	32	300	3VL1703-1EA4□-□□□□		1	1 unit	113	2.500
	40	40	600	3VL1704-1EA4□-□□□□		1	1 unit	113	2.500
	50	50	600	3VL1705-1EA4□-□□□□		1	1 unit	113	2.500
	63	63	600	3VL1706-1EA4□-□□□□		1	1 unit	113	2.500
	80	80	1000	3VL1708-1EA4□-□□□□		1	1 unit	113	2.500
	100	100	1000	3VL1710-1EA4□-□□□□		1	1 unit	113	2.500
	125	125	1000	3VL1712-1EL4□-□□□□		1	1 unit	113	2.500
	160	160	1500	3VL1716-1EL4□-□□□□		1	1 unit	113	2.500

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal **3**
- Connection with screw terminal not in conjunction with RCD module¹⁾ **6**



System protection, TM, LIN function

With non-adjustable thermal overcurrent releases, non-adjustable short-circuit releases, with "N" overcurrent and short-circuit release
N protection = 60 %

VL160X/3VL1	I_n	I_R	I_i	Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
	125	125	1000	3VL1712-1EA4□-□□□□		1	1 unit	113	2.500
	160	160	1500	3VL1716-1EA4□-□□□□		1	1 unit	113	2.500

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal **3**
- Connection with screw terminal not in conjunction with RCD module¹⁾ **6**

¹⁾ When the circuit breaker with flat screw terminal is ordered, the basic price is reduced.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

4-pole

2

DT	I_{cu} up to 70 kA at 415 V, high breaking capacity H						(H)	DT	I_{cu} up to 100 kA at 415 V, very high breaking capacity L						(L)
	Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.		Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.		
	Article No. supplement, see page 2/60; www.siemens.com/product?Article No.					kg		Article No. supplement, see page 2/60; www.siemens.com/product?Article No.					kg		

3VL1796-2EA4□-□□□□	1	1 unit	113	2.300	--
3VL1702-2EA4□-□□□□	1	1 unit	113	2.300	--
3VL1725-2EA4□-□□□□	1	1 unit	113	2.500	--
3VL1703-2EA4□-□□□□	1	1 unit	113	2.500	--
3VL1704-2EA4□-□□□□	1	1 unit	113	2.500	--
3VL1705-2EA4□-□□□□	1	1 unit	113	2.500	--
3VL1706-2EA4□-□□□□	1	1 unit	113	2.500	--
3VL1708-2EA4□-□□□□	1	1 unit	113	2.500	--
3VL1710-2EA4□-□□□□	1	1 unit	113	2.500	--
3VL1712-2EL4□-□□□□	1	1 unit	113	2.500	--
3VL1716-2EL4□-□□□□	1	1 unit	113	2.500	--

3
6

3VL1712-2EA4□-□□□□	1	1 unit	113	2.500	--
3VL1716-2EA4□-□□□□	1	1 unit	113	2.500	--

3
6

Molded Case Circuit Breakers

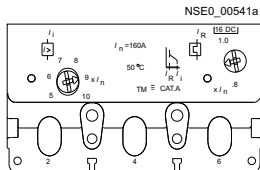
3VL Molded Case Circuit Breakers up to 1600 A, IEC

4-pole

2

Type	Rated current I_n	Current setting of the inverse-time delayed overcurrent releases "L" I_R	Operating current of the instantaneous short-circuit releases "I" I_i	DT	I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview".					
	A	A	A		Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg

4-pole, fixed-mounted, for system protection, 16 A ... 630 A, thermal-magnetic overcurrent releases LIN



System protection, TM, LIN function

With adjustable thermal overcurrent releases, adjustable short-circuit releases, with "N" overcurrent and short-circuit release
N protection = 100 %

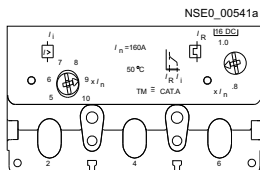
VL160/3VL2	50	40 ... 50	300 ... 600	3VL2705-1EM4□-□□□□	1	1 unit	113	3,000
	63	50 ... 63	300 ... 600	3VL2706-1EM4□-□□□□	1	1 unit	113	3,000
	80	63 ... 80	400 ... 800	3VL2708-1EM4□-□□□□	1	1 unit	113	3,000
	100	80 ... 100	500 ... 1000	3VL2710-1EM4□-□□□□	1	1 unit	113	3,000
	125	100 ... 125	625 ... 1250	3VL2712-1EM4□-□□□□	1	1 unit	113	3,000
	160	125 ... 160	800 ... 1600	3VL2716-1EM4□-□□□□	1	1 unit	113	3,000
VL250/3VL3	200	160 ... 200	1000 ... 2000	3VL3720-1EM4□-□□□□	1	1 unit	113	3,200
	250	200 ... 250	1250 ... 2500	3VL3725-1EM4□-□□□□	1	1 unit	113	3,200

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal
- Connection with flat screw terminal¹⁾

3
6

VL400/3VL4	200	160 ... 200	1000 ... 2000	3VL4720-1EM46-□□□□	1	1 unit	113	7,400
	250	200 ... 250	1250 ... 2500	3VL4725-1EM46-□□□□	1	1 unit	113	7,400
	315	250 ... 315	1575 ... 3150	3VL4731-1EM46-□□□□	1	1 unit	113	7,400
	400	320 ... 400	2000 ... 4000	3VL4740-1EM46-□□□□	1	1 unit	113	7,400
VL630/3VL5	315	250 ... 315	1575 ... 3150	3VL5731-1EM46-□□□□	1	1 unit	113	11,200
	400	320 ... 400	2000 ... 4000	3VL5740-1EM46-□□□□	1	1 unit	113	11,200
	500	400 ... 500	2500 ... 5000	3VL5750-1EM46-□□□□	1	1 unit	113	11,200
	630	500 ... 630	3150 ... 6300	3VL5763-1EM46-□□□□	1	1 unit	113	11,200



System protection, TM, LIN function

With adjustable thermal overcurrent releases, adjustable short-circuit releases, with "N" overcurrent and short-circuit release
N protection = 60 %

VL160/3VL2	125	100 ... 125	625 ... 1250	3VL2712-1EC4□-□□□□	1	1 unit	113	3,000
	160	125 ... 160	800 ... 1600	3VL2716-1EC4□-□□□□	1	1 unit	113	3,000
VL250/3VL3	200	160 ... 200	1000 ... 2000	3VL3720-1EC4□-□□□□	1	1 unit	113	3,200
	250	200 ... 250	1250 ... 2500	3VL3725-1EC4□-□□□□	1	1 unit	113	3,200

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal
- Connection with flat screw terminal¹⁾

3
6

VL400/3VL4	200	160 ... 200	1000 ... 2000	3VL4720-1EC46-□□□□	1	1 unit	113	7,400
	250	200 ... 250	1250 ... 2500	3VL4725-1EC46-□□□□	1	1 unit	113	7,400
	315	250 ... 315	1575 ... 3150	3VL4731-1EC46-□□□□	1	1 unit	113	7,400
	400	320 ... 400	2000 ... 4000	3VL4740-1EC46-□□□□	1	1 unit	113	7,400
VL630/3VL5	315	250 ... 315	1575 ... 3150	3VL5731-1EC46-□□□□	1	1 unit	113	11,200
	400	320 ... 400	2000 ... 4000	3VL5740-1EC46-□□□□	1	1 unit	113	11,200
	500	400 ... 500	2500 ... 5000	3VL5750-1EC46-□□□□	1	1 unit	113	11,200
	630	500 ... 630	3150 ... 6300	3VL5763-1EC46-□□□□	1	1 unit	113	11,200

¹⁾ When the circuit breaker with flat screw terminal is ordered, the basic price is reduced.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

4-pole

2

DT	I_{cu} up to 70 kA at 415 V, high breaking capacity H					(H)	DT	I_{cu} up to 100 kA at 415 V, very high breaking capacity L					(L)
Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.		Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.	
Article No. supplement, see page 2/60; www.siemens.com/product?Article.No.					kg		Article No. supplement, see page 2/60; www.siemens.com/product?Article.No.					kg	

3VL2705-2EM4□-□□□□	1	1 unit	113	3.000		3VL2705-3EM4□-□□□□	1	1 unit	113	3.000	
3VL2706-2EM4□-□□□□	1	1 unit	113	3.000		3VL2706-3EM4□-□□□□	1	1 unit	113	3.000	
3VL2708-2EM4□-□□□□	1	1 unit	113	3.000		3VL2708-3EM4□-□□□□	1	1 unit	113	3.000	
3VL2710-2EM4□-□□□□	1	1 unit	113	3.000		3VL2710-3EM4□-□□□□	1	1 unit	113	3.000	
3VL2712-2EM4□-□□□□	1	1 unit	113	3.000		3VL2712-3EM4□-□□□□	1	1 unit	113	3.000	
3VL2716-2EM4□-□□□□	1	1 unit	113	3.000		3VL2716-3EM4□-□□□□	1	1 unit	113	3.000	
3VL3720-2EM4□-□□□□	1	1 unit	113	3.200		3VL3720-3EM4□-□□□□	1	1 unit	113	3.200	
3VL3725-2EM4□-□□□□	1	1 unit	113	3.200		3VL3725-3EM4□-□□□□	1	1 unit	113	3.200	

3
6

3
6

3VL4720-2EM46-□□□□	1	1 unit	113	7.400		3VL4720-3EM46-□□□□	1	1 unit	113	7.400	
3VL4725-2EM46-□□□□	1	1 unit	113	7.400		3VL4725-3EM46-□□□□	1	1 unit	113	7.400	
3VL4731-2EM46-□□□□	1	1 unit	113	7.400		3VL4731-3EM46-□□□□	1	1 unit	113	7.400	
3VL4740-2EM46-□□□□	1	1 unit	113	7.400		3VL4740-3EM46-□□□□	1	1 unit	113	7.400	
3VL5731-2EM46-□□□□	1	1 unit	113	11.200		3VL5731-3EM46-□□□□	1	1 unit	113	11.200	
3VL5740-2EM46-□□□□	1	1 unit	113	11.200		3VL5740-3EM46-□□□□	1	1 unit	113	11.200	
3VL5750-2EM46-□□□□	1	1 unit	113	11.200		3VL5750-3EM46-□□□□	1	1 unit	113	11.200	
3VL5763-2EM46-□□□□	1	1 unit	113	11.200		3VL5763-3EM46-□□□□	1	1 unit	113	11.200	

3VL2712-2EC4□-□□□□	1	1 unit	113	3.000		3VL2712-3EC4□-□□□□	1	1 unit	113	3.000	
3VL2716-2EC4□-□□□□	1	1 unit	113	3.000		3VL2716-3EC4□-□□□□	1	1 unit	113	3.000	
3VL3720-2EC4□-□□□□	1	1 unit	113	3.200		3VL3720-3EC4□-□□□□	1	1 unit	113	3.200	
3VL3725-2EC4□-□□□□	1	1 unit	113	3.200		3VL3725-3EC4□-□□□□	1	1 unit	113	3.200	

3
6

3
6

3VL4720-2EC46-□□□□	1	1 unit	113	7.400		3VL4720-3EC46-□□□□	1	1 unit	113	7.400	
3VL4725-2EC46-□□□□	1	1 unit	113	7.400		3VL4725-3EC46-□□□□	1	1 unit	113	7.400	
3VL4731-2EC46-□□□□	1	1 unit	113	7.400		3VL4731-3EC46-□□□□	1	1 unit	113	7.400	
3VL4740-2EC46-□□□□	1	1 unit	113	7.400		3VL4740-3EC46-□□□□	1	1 unit	113	7.400	
3VL5731-2EC46-□□□□	1	1 unit	113	11.200		3VL5731-3EC46-□□□□	1	1 unit	113	11.200	
3VL5740-2EC46-□□□□	1	1 unit	113	11.200		3VL5740-3EC46-□□□□	1	1 unit	113	11.200	
3VL5750-2EC46-□□□□	1	1 unit	113	11.200		3VL5750-3EC46-□□□□	1	1 unit	113	11.200	
3VL5763-2EC46-□□□□	1	1 unit	113	11.200		3VL5763-3EC46-□□□□	1	1 unit	113	11.200	

* You can order this quantity or a multiple thereof.

Molded Case Circuit Breakers

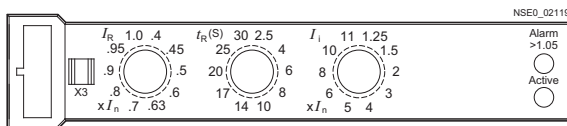
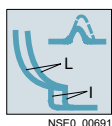
3VL Molded Case Circuit Breakers up to 1600 A, IEC

4-pole

2

Type	Rated current I_n	Current setting of the inverse-time delayed overcurrent releases "L" I_R I_{R1}	Operating current of the instantaneous short-circuit releases "I" I_I	DT	I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview".	(N)				
	A	A	A		Article No. Article No. supplement, see page 2/60; www.siemens.com/ product?Article No.	Price, see page 2/58	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg

4-pole, fixed-mounted, for system protection, 63 A ... 1600 A, Electronic Trip Units LI



ETU10, LI function

With adjustable overcurrent releases, adjustable short-circuit releases, without overcurrent and short-circuit release in the 4th pole (N)

VL160/3VL2	63	25 ... 63	1.25 ... 11 × I_n	3VL2706-1□□4□-□□□□	1	1 unit	113	3.100
	100	40 ... 100	1.25 ... 11 × I_n	3VL2710-1□□4□-□□□□	1	1 unit	113	3.100
	160	64 ... 160	1.25 ... 11 × I_n	3VL2716-1□□4□-□□□□	1	1 unit	113	3.100
VL250/3VL3	200	80 ... 200	1.25 ... 11 × I_n	3VL3720-1□□4□-□□□□	1	1 unit	113	3.300
	250	100 ... 250	1.25 ... 11 × I_n	3VL3725-1□□4□-□□□□	1	1 unit	113	3.300

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal
- Connection with flat screw terminal¹⁾

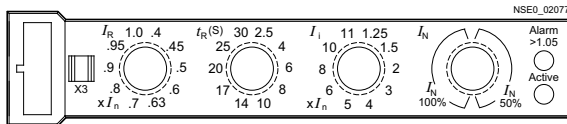
3
6

VL400/3VL4	315	128 ... 315	1.25 ... 11 × I_n	3VL4731-1□□46-□□□□	1	1 unit	113	7.600
	400	160 ... 400	1.25 ... 11 × I_n	3VL4740-1□□46-□□□□	1	1 unit	113	7.600
VL630/3VL5	630	252 ... 630	1.25 ... 10 × I_n	3VL5763-1□□46-□□□□	1	1 unit	113	11.700
VL800/3VL6	800	320 ... 800	1.25 ... 8 × I_n	3VL6780-1□□46-□□□□	1	1 unit	113	20.500
VL1250/3VL7	1000	400 ... 1000	1.25 ... 11 × I_n	3VL7710-1□□46-□□□□	1	1 unit	113	33.500
	1250	500 ... 1250	1.25 ... 11 × I_n	3VL7712-1□□46-□□□□	1	1 unit	113	33.500
VL1600/3VL8 ²⁾	1600	640 ... 1600	1.25 ... 9 × I_n	3VL8716-1□□40-□□□□	1	1 unit	113	40.800

- Without communication preparation
- With communication preparation

TB
NB

4-pole, fixed-mounted, for system protection, 63 A ... 1600 A, Electronic Trip Units LIN



ETU10, LIN function

With adjustable overcurrent releases, adjustable short-circuit releases with overcurrent and short-circuit release in the 4th pole (N)
N protection = 50/100 %

VL160/3VL2	63	25 ... 63	1.25 ... 11 × I_n	3VL2706-1□□4□-□□□□	1	1 unit	113	3.100
	100	40 ... 100	1.25 ... 11 × I_n	3VL2710-1□□4□-□□□□	1	1 unit	113	3.100
	160	64 ... 160	1.25 ... 11 × I_n	3VL2716-1□□4□-□□□□	1	1 unit	113	3.100
VL250/3VL3	200	80 ... 200	1.25 ... 11 × I_n	3VL3720-1□□4□-□□□□	1	1 unit	113	3.300
	250	100 ... 250	1.25 ... 11 × I_n	3VL3725-1□□4□-□□□□	1	1 unit	113	3.300

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal
- Connection with flat screw terminal¹⁾

3
6¹⁾

VL400/3VL4	315	128 ... 315	1.25 ... 11 × I_n	3VL4731-1□□46-□□□□	1	1 unit	113	7.600
	400	160 ... 400	1.25 ... 11 × I_n	3VL4740-1□□46-□□□□	1	1 unit	113	7.600
VL630/3VL5	630	252 ... 630	1.25 ... 10 × I_n	3VL5763-1□□46-□□□□	1	1 unit	113	11.700
VL800/3VL6	800	320 ... 800	1.25 ... 8 × I_n	3VL6780-1□□46-□□□□	1	1 unit	113	20.500
VL1250/3VL7	1000	400 ... 1000	1.25 ... 11 × I_n	3VL7710-1□□46-□□□□	1	1 unit	113	33.500
	1250	500 ... 1250	1.25 ... 11 × I_n	3VL7712-1□□46-□□□□	1	1 unit	113	33.500
VL1600/3VL8 ²⁾	1600	640 ... 1600	1.25 ... 9 × I_n	3VL8716-1□□40-□□□□	1	1 unit	113	40.800

- Without communication preparation
- With communication preparation
- Marine engineering-certified LRS, DNV, GL and BV (not communication-ready)

TA
NA
LA

¹⁾ When the circuit breaker with flat screw terminal is ordered, the basic price is reduced.

²⁾ Front busbar connection pieces are included in the scope of supply and are to be fitted by the customer.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

4-pole

2

DT	I_{cu} up to 70 kA at 415 V, high breaking capacity H					(H)	DT	I_{cu} up to 100 kA at 415 V, very high breaking capacity L					(L)
	Article No. Article No. supplement, see page 2/60; www.siemens.com/ product?Article No.	Price, see page 2/58	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg		Article No. Article No. supplement, see page 2/60; www.siemens.com/ product?Article No.	Price, see page 2/58	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg

3VL2706-2□□4□-□□□□	1	1 unit	113	3.100			3VL2706-3□□4□-□□□□	1	1 unit	113	3.100		
3VL2710-2□□4□-□□□□	1	1 unit	113	3.100			3VL2710-3□□4□-□□□□	1	1 unit	113	3.100		
3VL2716-2□□4□-□□□□	1	1 unit	113	3.100			3VL2716-3□□4□-□□□□	1	1 unit	113	3.100		
3VL3720-2□□4□-□□□□	1	1 unit	113	3.300			3VL3720-3□□4□-□□□□	1	1 unit	113	3.300		
3VL3725-2□□4□-□□□□	1	1 unit	113	3.300			3VL3725-3□□4□-□□□□	1	1 unit	113	3.300		

3
6

3
6

3VL4731-2□□46-□□□□	1	1 unit	113	7.600			3VL4731-3□□46-□□□□	1	1 unit	113	7.600		
3VL4740-2□□46-□□□□	1	1 unit	113	7.600			3VL4740-3□□46-□□□□	1	1 unit	113	7.600		
3VL5763-2□□46-□□□□	1	1 unit	113	11.700			3VL5763-3□□46-□□□□	1	1 unit	113	11.700		
3VL6780-2□□46-□□□□	1	1 unit	113	20.500			3VL6780-3□□46-□□□□	1	1 unit	113	20.500		
3VL7710-2□□46-□□□□	1	1 unit	113	33.500			3VL7710-3□□46-□□□□	1	1 unit	113	33.500		
3VL7712-2□□46-□□□□	1	1 unit	113	33.500			3VL7712-3□□46-□□□□	1	1 unit	113	33.500		
3VL8716-2□□40-□□□□	1	1 unit	113	40.800			3VL8716-3□□40-□□□□	1	1 unit	113	40.800		

TB
NB

TB
NB

3VL2706-2□□4□-□□□□	1	1 unit	113	3.100			3VL2706-3□□4□-□□□□	1	1 unit	113	3.100		
3VL2710-2□□4□-□□□□	1	1 unit	113	3.100			3VL2710-3□□4□-□□□□	1	1 unit	113	3.100		
3VL2716-2□□4□-□□□□	1	1 unit	113	3.100			3VL2716-3□□4□-□□□□	1	1 unit	113	3.100		
3VL3720-2□□4□-□□□□	1	1 unit	113	3.300			3VL3720-3□□4□-□□□□	1	1 unit	113	3.300		
3VL3725-2□□4□-□□□□	1	1 unit	113	3.300			3VL3725-3□□4□-□□□□	1	1 unit	113	3.300		

3
6

3
6

3VL4731-2□□46-□□□□	1	1 unit	113	7.600			3VL4731-3□□46-□□□□	1	1 unit	113	7.600		
3VL4740-2□□46-□□□□	1	1 unit	113	7.600			3VL4740-3□□46-□□□□	1	1 unit	113	7.600		
3VL5763-2□□46-□□□□	1	1 unit	113	11.700			3VL5763-3□□46-□□□□	1	1 unit	113	11.700		
3VL6780-2□□46-□□□□	1	1 unit	113	20.500			3VL6780-3□□46-□□□□	1	1 unit	113	20.500		
3VL7710-2□□46-□□□□	1	1 unit	113	33.500			3VL7710-3□□46-□□□□	1	1 unit	113	33.500		
3VL7712-2□□46-□□□□	1	1 unit	113	33.500			3VL7712-3□□46-□□□□	1	1 unit	113	33.500		
3VL8716-2□□40-□□□□	1	1 unit	113	40.800			3VL8716-3□□40-□□□□	1	1 unit	113	40.800		

TA
NA
LA

TA
NA
LA

Communication:

- For accessories, see page 2/95.

- For more information, see also chapters "Measuring Devices and Power Monitoring" and "Software".

* You can order this quantity or a multiple thereof.

Molded Case Circuit Breakers

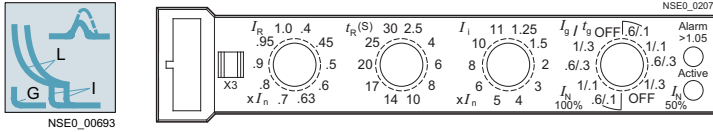
3VL Molded Case Circuit Breakers up to 1600 A, IEC

4-pole

2

Type	Rated current I_n	Current setting of the inverse-time delayed overcurrent releases "L" I_R	Operating current of the instantaneous short-circuit releases "I" I_i	Ground-fault protection "G" I_g	DT	I_{cu} up to 55 kA at 415 V, standard breaking capacity N					
	A	A	A	A		Article No.	Price, see page 2/58	PU (UNIT, SET, M)	PS* / P. unit	PG	Weight per PU approx.
						Article No. supplement, see page 2/60; www.siemens.com/product?Article.No.					kg

4-pole, fixed-mounted, for system protection, 63 A ... 1600 A, Electronic Trip Units LING



ETU12, LING function for 4-wire three-phase systems

With adjustable overcurrent releases, adjustable short-circuit releases, vectorial summation current formation, ground-fault delay $t_{G0} = 0.1 \dots 0.3$ s, ground-fault protection (G) can be switched off with overcurrent and short-circuit release in the 4th pole (N), N protection = 50/100 %

VL160/3VL2	63	25 ... 63	1.25 ... $11 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL2706-1□□4□-□□□□	1	1 unit	113	3.100
	100	40 ... 100	1.25 ... $11 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL2710-1□□4□-□□□□	1	1 unit	113	3.100
VL250/3VL3	160	64 ... 160	1.25 ... $11 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL2716-1□□4□-□□□□	1	1 unit	113	3.100
	200	80 ... 200	1.25 ... $11 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL3720-1□□4□-□□□□	1	1 unit	113	3.300
VL250/3VL3	250	100 ... 250	1.25 ... $11 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL3725-1□□4□-□□□□	1	1 unit	113	3.300

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal
- Connection with flat screw terminal¹⁾

3
6

VL400/3VL4	315	128 ... 315	1.25 ... $11 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL4731-1□□46-□□□□	1	1 unit	113	7.600
	400	160 ... 400	1.25 ... $11 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL4740-1□□46-□□□□	1	1 unit	113	7.600
VL630/3VL5	630	252 ... 630	1.25 ... $10 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL5763-1□□46-□□□□	1	1 unit	113	11.700
VL800/3VL6	800	320 ... 800	1.25 ... $8 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL6780-1□□46-□□□□	1	1 unit	113	20.500
VL1250/3VL7	1000	400 ... 1000	1.25 ... $11 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL7710-1□□46-□□□□	1	1 unit	113	33.500
	1250	500 ... 1250	1.25 ... $11 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL7712-1□□46-□□□□	1	1 unit	113	33.500
VL1600/3VL8 ²⁾	1600	640 ... 1600	1.25 ... $9 \times I_n$	0.6 ... $1 \times I_n$, OFF	3VL8716-1□□40-□□□□	1	1 unit	113	40.800

- Without communication preparation
- With communication preparation

TN
NN

¹⁾ When the circuit breaker with flat screw terminal is ordered, the basic price is reduced.

²⁾ Front busbar connection pieces are included in the scope of supply and are to be fitted by the customer.

Communication:

- For accessories, see page 2/95.
- For more information, see also chapters "Measuring Devices and Power Monitoring" and "Software".

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

4-pole

2

DT	I_{cu} up to 70 kA at 415 V, high breaking capacity H	(H)	DT	I_{cu} up to 100 kA at 415 V, very high breaking capacity L	(L)
Article No.	Price, see page 2/58	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
Article No. supplement, see page 2/60; www.siemens.com/ product?Article.No.					kg

3VL2706-2□□4□-□□□□		1	1 unit	113	3.100	3VL2706-3□□4□-□□□□		1	1 unit	113	3.100
3VL2710-2□□4□-□□□□		1	1 unit	113	3.100	3VL2710-3□□4□-□□□□		1	1 unit	113	3.100
3VL2716-2□□4□-□□□□		1	1 unit	113	3.100	3VL2716-3□□4□-□□□□		1	1 unit	113	3.100
3VL3720-2□□4□-□□□□		1	1 unit	113	3.300	3VL3720-3□□4□-□□□□		1	1 unit	113	3.300
3VL3725-2□□4□-□□□□		1	1 unit	113	3.300	3VL3725-3□□4□-□□□□		1	1 unit	113	3.300

3
63
6

3VL4731-2□□46-□□□□		1	1 unit	113	7.600	3VL4731-3□□46-□□□□		1	1 unit	113	7.600
3VL4740-2□□46-□□□□		1	1 unit	113	7.600	3VL4740-3□□46-□□□□		1	1 unit	113	7.600
3VL5763-2□□46-□□□□		1	1 unit	113	11.700	3VL5763-3□□46-□□□□		1	1 unit	113	11.700
3VL6780-2□□46-□□□□		1	1 unit	113	20.500	3VL6780-3□□46-□□□□		1	1 unit	113	20.500
3VL7710-2□□46-□□□□		1	1 unit	113	33.500	3VL7710-3□□46-□□□□		1	1 unit	113	33.500
3VL7712-2□□46-□□□□		1	1 unit	113	33.500	3VL7712-3□□46-□□□□		1	1 unit	113	33.500
3VL8716-2□□40-□□□□		1	1 unit	113	40.800	3VL8716-3□□40-□□□□		1	1 unit	113	40.800

TN
NNTN
NN

Molded Case Circuit Breakers

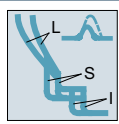
3VL Molded Case Circuit Breakers up to 1600 A, IEC

4-pole

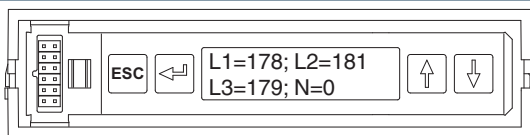
2

Type	Rated current I_n	Current setting of the inverse-time delayed releases "L" I_R	Operating current of the instantaneous short-circuit releases "I" I_i	S function short-circuit protection (short-time delayed) S	DT	I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview".	(N)				
	A	A	A	A		Article No. Article No. supplement, see page 2/60; www.siemens.com/product?ArticleNo .	Basic price per PU.	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg

4-pole, fixed-mounted, for system protection - generator protection, 63 A ... 1600 A, Electronic Trip Units LI, LSI, LIN, LSIN



NSE0_00696



NSE0_02129

LCD-ETU40, LI/LSI/LIN/LSIN function selectable

With adjustable overcurrent releases, adjustable short-circuit releases, short-circuit delay $t_{sd} = 0 \dots 0.5$ s with overcurrent and short-circuit release in the 4th pole (N), N protection = 50 ... 100 %, OFF

VL160/3VL2	63 ¹⁾	25 ... 63	$1.25 \dots 11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL2706-1UJ4□-□□□□	1	1 unit	113	3.100
	100 ¹⁾	40 ... 100	$1.25 \dots 11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL2710-1UJ4□-□□□□	1	1 unit	113	3.100
	160	64 ... 160	$1.25 \dots 11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL2716-1UJ4□-□□□□	1	1 unit	113	3.100
VL250/3VL3	200	80 ... 200	$1.25 \dots 11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL3720-1UJ4□-□□□□	1	1 unit	113	3.300
	250	100 ... 250	$1.25 \dots 11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL3725-1UJ4□-□□□□	1	1 unit	113	3.300

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal
- Connection with flat screw terminal²⁾

3
6

VL400/3VL4	315	128 ... 315	$1.25 \dots 11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL4731-1UJ46-□□□□	1	1 unit	113	7.600
	400	160 ... 400	$1.25 \dots 11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL4740-1UJ46-□□□□	1	1 unit	113	7.600
VL630/3VL5	630	252 ... 630	$1.25 \dots 10 \times I_n$	$1.5 \dots 9 \times I_R$	3VL5763-1UJ46-□□□□	1	1 unit	113	11.700
VL800/3VL6	800	320 ... 800	$1.25 \dots 8 \times I_n$	$1.5 \dots 7 \times I_R$	3VL6780-1UJ46-□□□□	1	1 unit	113	20.500
VL1250/3VL7	1000	400 ... 1000	$1.25 \dots 11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL7710-1UJ46-□□□□	1	1 unit	113	33.500
	1250	500 ... 1250	$1.25 \dots 11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL7712-1UJ46-□□□□	1	1 unit	113	33.500
VL1600/3VL8 ³⁾	1600	640 ... 1600	$1.25 \dots 9 \times I_n$	$1.5 \dots 8 \times I_R$	3VL8716-1UJ40-□□□□	1	1 unit	113	40.800

¹⁾ N = 100 % protection for $I_n \leq 100$ A.

²⁾ When the circuit breaker with flat screw terminal is ordered, the basic price is reduced.

³⁾ Front busbar connection pieces are included in the scope of supply and are to be fitted by the customer.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

4-pole

2

DT I_{cu} up to 70 kA at 415 V, high breaking capacity H						(H)	DT I_{cu} up to 100 kA at 415 V, very high breaking capacity L						(L)
Article No.	Basic price per PU	PU (UNIT, SET, M)	PS* / P. unit	PG	Weight per PU approx.		Article No.	Basic price per PU	PU (UNIT, SET, M)	PS* / P. unit	PG	Weight per PU approx.	
Article No. supplement, see page 2/60; www.siemens.com/product?Article No.						kg	Article No. supplement, see page 2/60; www.siemens.com/product?Article No.						kg

3VL2706-2UJ4□-□□□□	1	1 unit	113	3.100	3VL2706-3UJ4□-□□□□	1	1 unit	113	3.100
3VL2710-2UJ4□-□□□□	1	1 unit	113	3.100	3VL2710-3UJ4□-□□□□	1	1 unit	113	3.100
3VL2716-2UJ4□-□□□□	1	1 unit	113	3.100	3VL2716-3UJ4□-□□□□	1	1 unit	113	3.100
3VL3720-2UJ4□-□□□□	1	1 unit	113	3.300	3VL3720-3UJ4□-□□□□	1	1 unit	113	3.300
3VL3725-2UJ4□-□□□□	1	1 unit	113	3.300	3VL3725-3UJ4□-□□□□	1	1 unit	113	3.300

3
63
6

3VL4731-2UJ46-□□□□	1	1 unit	113	7.600	3VL4731-3UJ46-□□□□	1	1 unit	113	7.600
3VL4740-2UJ46-□□□□	1	1 unit	113	7.600	3VL4740-3UJ46-□□□□	1	1 unit	113	7.600
3VL5763-2UJ46-□□□□	1	1 unit	113	11.700	3VL5763-3UJ46-□□□□	1	1 unit	113	11.700
3VL6780-2UJ46-□□□□	1	1 unit	113	20.500	3VL6780-3UJ46-□□□□	1	1 unit	113	20.500
3VL7710-2UJ46-□□□□	1	1 unit	113	33.500	3VL7710-3UJ46-□□□□	1	1 unit	113	33.500
3VL7712-2UJ46-□□□□	1	1 unit	113	33.500	3VL7712-3UJ46-□□□□	1	1 unit	113	33.500
3VL8716-2UJ40-□□□□	1	1 unit	113	40.800	3VL8716-3UJ40-□□□□	1	1 unit	113	40.800

Molded Case Circuit Breakers

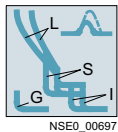
3VL Molded Case Circuit Breakers up to 1600 A, IEC

4-pole

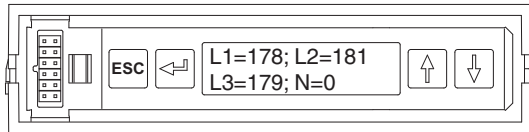
2

Type	Rated current I_n	Current setting of the inverse-time delayed overcurrent releases "L" I_R	Operating current of the instantaneous short-circuit releases "I" I_i	S function short-circuit protection (short-time delayed) I_s	Ground-fault protection "G" I_g	DT	I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview".					(N)
	A	A	A	A	A		Article No. Article No. supplement, see page 2/60; www.siemens.com/product?Article.No.	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg

4-pole, fixed-mounted, for system protection - generator protection, 63 A ... 1600 A, Electronic Trip Units LSIG, LSING



NSE0_00697



NSE0_02129

LCD-ETU42, LSIG/LSING function for 4-wire three-phase systems and time-based discrimination

With adjustable overcurrent releases, adjustable short-circuit releases
 Ground fault delay $t_g = 0.1 \dots 0.5$ s, short-circuit delay $t_{sd} = 0 \dots 0.5$ s
 with overcurrent and short-circuit release in the 4th pole (N), N protection = 50 ... 100 %, OFF

VL160/3VL2	63	25 ... 63	1.25 ... 11 × I_n	1.5 ... 10 × I_R	0.4 ... 1 × I_n	3VL2706-1UN40-□□□□	1	1 unit	113	3.100
	100	40 ... 100	1.25 ... 11 × I_n	1.5 ... 10 × I_R	0.4 ... 1 × I_n	3VL2710-1UN40-□□□□	1	1 unit	113	3.100
	160	64 ... 160	1.25 ... 11 × I_n	1.5 ... 10 × I_R	0.4 ... 1 × I_n	3VL2716-1UN40-□□□□	1	1 unit	113	3.100
VL250/3VL3	200	80 ... 200	1.25 ... 11 × I_n	1.5 ... 10 × I_R	0.4 ... 1 × I_n	3VL3720-1UN40-□□□□	1	1 unit	113	3.300
	250	100 ... 250	1.25 ... 11 × I_n	1.5 ... 10 × I_R	0.4 ... 1 × I_n	3VL3725-1UN40-□□□□	1	1 unit	113	3.300

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal
- Connection with flat screw terminal¹⁾

3
6

VL400/3VL4	315	128 ... 315	1.25 ... 11 × I_n	1.5 ... 10 × I_R	0.4 ... 1 × I_n	3VL4731-1UN46-□□□□	1	1 unit	113	7.600
	400	160 ... 400	1.25 ... 11 × I_n	1.5 ... 10 × I_R	0.4 ... 1 × I_n	3VL4740-1UN46-□□□□	1	1 unit	113	7.600
VL630/3VL5	630	252 ... 630	1.25 ... 10 × I_n	1.5 ... 9 × I_R	0.4 ... 1 × I_n	3VL5763-1UN46-□□□□	1	1 unit	113	11.700
VL800/3VL6	800	320 ... 800	1.25 ... 8 × I_n	1.5 ... 7 × I_R	0.4 ... 1 × I_n	3VL6780-1UN46-□□□□	1	1 unit	113	20.500
VL1250/3VL7	1000	400 ... 1000	1.25 ... 11 × I_n	1.5 ... 10 × I_R	0.4 ... 1 × I_n	3VL7710-1UN46-□□□□	1	1 unit	113	33.500
	1250	500 ... 1250	1.25 ... 11 × I_n	1.5 ... 10 × I_R	0.4 ... 1 × I_n	3VL7712-1UN46-□□□□	1	1 unit	113	33.500
VL1600/3VL8 ²⁾	1600	640 ... 1600	1.25 ... 9 × I_n	1.5 ... 8 × I_R	0.4 ... 1 × I_n	3VL8716-1UN40-□□□□	1	1 unit	113	40.800

¹⁾ When the circuit breaker with flat screw terminal is ordered, the basic price is reduced.

²⁾ Front busbar connection pieces are included in the scope of supply and are to be fitted by the customer.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

4-pole

2

DT	I_{cu} up to 70 kA at 415 V, high breaking capacity H					(H)	DT	I_{cu} up to 100 kA at 415 V, very high breaking capacity L					(L)
	Article No. Article No. supplement, see page 2/60; www.siemens.com/ product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS* P. unit	PG	Weight per PU approx. kg		Article No. Article No. supplement, see page 2/60; www.siemens.com/ product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS* P. unit	PG	Weight per PU approx. kg

3VL2706-2UN4□-□□□□	1	1 unit	113	3.100	3VL2706-3UN4□-□□□□	1	1 unit	113	3.100
3VL2710-2UN4□-□□□□	1	1 unit	113	3.100	3VL2710-3UN4□-□□□□	1	1 unit	113	3.100
3VL2716-2UN4□-□□□□	1	1 unit	113	3.100	3VL2716-3UN4□-□□□□	1	1 unit	113	3.100
3VL3720-2UN4□-□□□□	1	1 unit	113	3.300	3VL3720-3UN4□-□□□□	1	1 unit	113	3.300
3VL3725-2UN4□-□□□□	1	1 unit	113	3.300	3VL3725-3UN4□-□□□□	1	1 unit	113	3.300

3
63
6

3VL4731-2UN46-□□□□	1	1 unit	113	7.600	3VL4731-3UN46-□□□□	1	1 unit	113	7.600
3VL4740-2UN46-□□□□	1	1 unit	113	7.600	3VL4740-3UN46-□□□□	1	1 unit	113	7.600
3VL5763-2UN46-□□□□	1	1 unit	113	11.700	3VL5763-3UN46-□□□□	1	1 unit	113	11.700
3VL6780-2UN46-□□□□	1	1 unit	113	20.500	3VL6780-3UN46-□□□□	1	1 unit	113	20.500
3VL7710-2UN46-□□□□	1	1 unit	113	33.500	3VL7710-3UN46-□□□□	1	1 unit	113	33.500
3VL7712-2UN46-□□□□	1	1 unit	113	33.500	3VL7712-3UN46-□□□□	1	1 unit	113	33.500
3VL8716-2UN40-□□□□	1	1 unit	113	40.800	3VL8716-3UN40-□□□□	1	1 unit	113	40.800

Molded Case Circuit Breakers

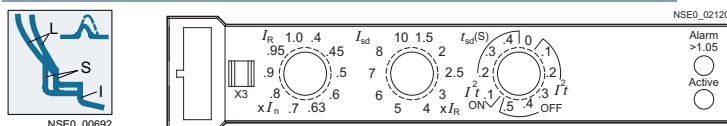
3VL Molded Case Circuit Breakers up to 1600 A, IEC

4-pole

2

Type	Rated current I_n	Current setting of the inverse-time delayed over-current releases I_R	Operating current of the instantaneous short-circuit releases I_i	S function short-circuit protection (short-time delayed) S	DT	I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview".	(N)				
A	A	A	A	A		Article No. Article No. supplement, see page 2/60; www.siemens.com/product?Article No.	Price, see page 2/58	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg

4-pole, fixed-mounted, for system protection - generator protection, 63 A ... 1600 A, Electronic Trip Units LSI



ETU20, LSI function for time-based discrimination

With adjustable overcurrent releases, non-adjustable short-circuit releases, short-circuit delay ($t_{sd} = 0 \dots 0.5$ s) Without overcurrent and short-circuit release in the 4th pole (N)

VL160/3VL2	63	25 ... 63	$11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL2706-1□□4□-□□□□	1	1 unit	113	3.100
	100	40 ... 100	$11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL2710-1□□4□-□□□□	1	1 unit	113	3.100
	160	64 ... 160	$11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL2716-1□□4□-□□□□	1	1 unit	113	3.100
VL250/3VL3	200	80 ... 200	$11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL3720-1□□4□-□□□□	1	1 unit	113	3.300
	250	100 ... 250	$11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL3725-1□□4□-□□□□	1	1 unit	113	3.300

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal
- Connection with flat screw terminal¹⁾

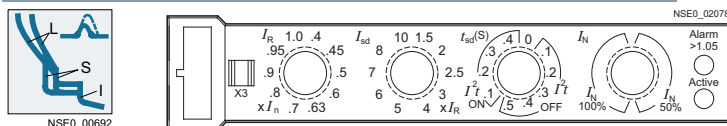
3
6

VL400/3VL4	315	128 ... 315	$11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL4731-1□□46-□□□□	1	1 unit	113	7.600
	400	160 ... 400	$11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL4740-1□□46-□□□□	1	1 unit	113	7.600
VL630/3VL5	630	252 ... 630	$10 \times I_n$	$1.5 \dots 9 \times I_R$	3VL5763-1□□46-□□□□	1	1 unit	113	11.700
VL800/3VL6	800	320 ... 800	$8 \times I_n$	$1.5 \dots 7 \times I_R$	3VL6780-1□□46-□□□□	1	1 unit	113	20.500
VL1250/3VL7	1000	400 ... 1000	$11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL7710-1□□46-□□□□	1	1 unit	113	33.500
	1250	500 ... 1250	$11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL7712-1□□46-□□□□	1	1 unit	113	33.500
VL1600/3VL8 ¹⁾	1600	640 ... 1600	$9 \times I_n$	$1.5 \dots 8 \times I_R$	3VL8716-1□□40-□□□□	1	1 unit	113	40.800

- Without communication preparation
- With communication preparation

TE
NE

4-pole, fixed-mounted, for system protection - generator protection, 63 A ... 1600 A, Electronic Trip Units LSIN



ETU20, LSIN function for time-based discrimination

With adjustable overcurrent releases, non-adjustable short-circuit releases, short-circuit delay ($t_{sd} = 0 \dots 0.5$ s) with overcurrent and short-circuit release in the 4th pole (N), N protection = 50/100 %

VL160/3VL2	63	$0.4 \dots 1.0 \times I_n$	$11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL2706-1□□4□-□□□□	1	1 unit	113	3.100
	100	$0.4 \dots 1.0 \times I_n$	$11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL2710-1□□4□-□□□□	1	1 unit	113	3.100
	160	$0.4 \dots 1.0 \times I_n$	$11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL2716-1□□4□-□□□□	1	1 unit	113	3.100
VL250/3VL3	200	$0.4 \dots 1.0 \times I_n$	$11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL3720-1□□4□-□□□□	1	1 unit	113	3.300
	250	$0.4 \dots 1.0 \times I_n$	$11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL3725-1□□4□-□□□□	1	1 unit	113	3.300

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal
- Connection with flat screw terminal¹⁾

3
6

VL400/3VL4	315	$0.4 \dots 1.0 \times I_n$	$11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL4731-1□□46-□□□□	1	1 unit	113	7.600
	400	$0.4 \dots 1.0 \times I_n$	$11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL4740-1□□46-□□□□	1	1 unit	113	7.600
VL630/3VL5	630	$0.4 \dots 1.0 \times I_n$	$10 \times I_n$	$1.5 \dots 9 \times I_R$	3VL5763-1□□46-□□□□	1	1 unit	113	11.700
VL800/3VL6	800	$0.4 \dots 1.0 \times I_n$	$8 \times I_n$	$1.5 \dots 7 \times I_R$	3VL6780-1□□46-□□□□	1	1 unit	113	20.500
VL1250/3VL7	1000	$0.4 \dots 1.0 \times I_n$	$11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL7710-1□□46-□□□□	1	1 unit	113	33.500
	1250	$0.4 \dots 1.0 \times I_n$	$11 \times I_n$	$1.5 \dots 10 \times I_R$	3VL7712-1□□46-□□□□	1	1 unit	113	33.500
VL1600/3VL8 ²⁾	1600	$0.4 \dots 1.0 \times I_n$	$9 \times I_n$	$1.5 \dots 8 \times I_R$	3VL8716-1□□40-□□□□	1	1 unit	113	40.800

- Without communication preparation
- With communication preparation
- Marine engineering-certified LRS, DNV, GL and BV (not communication-ready)

TF
NF
LF

¹⁾ When the circuit breaker with flat screw terminal is ordered, the basic price is reduced.

²⁾ Front busbar connection pieces are included in the scope of supply and are to be fitted by the customer.

Communication:

- For accessories, see page 2/95.
- For more information, see also chapters "Measuring Devices and Power Monitoring" and "Software".

* You can order this quantity or a multiple thereof.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

4-pole

2

DT	I_{cu} up to 70 kA at 415 V, high breaking capacity H						(H)	DT	I_{cu} up to 100 kA at 415 V, very high breaking capacity L						(L)
Article No.	Price, see page 2/58	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.		Article No.	Price, see page 2/58	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.			
Article No. supplement, see page 2/60; www.siemens.com/product?Article No.					kg		Article No. supplement, see page 2/60; www.siemens.com/product?Article No.					kg			

3VL2706-2□□4□-□□□□	1	1 unit	113	3.100		3VL2706-3□□4□-□□□□	1	1 unit	113	3.100	
3VL2710-2□□4□-□□□□	1	1 unit	113	3.100		3VL2710-3□□4□-□□□□	1	1 unit	113	3.100	
3VL2716-2□□4□-□□□□	1	1 unit	113	3.100		3VL2716-3□□4□-□□□□	1	1 unit	113	3.100	
3VL3720-2□□4□-□□□□	1	1 unit	113	3.300		3VL3720-3□□4□-□□□□	1	1 unit	113	3.300	
3VL3725-2□□4□-□□□□	1	1 unit	113	3.300		3VL3725-3□□4□-□□□□	1	1 unit	113	3.300	

3
6

3
6

3VL4731-2□□46-□□□□	1	1 unit	113	7.600		3VL4731-3□□46-□□□□	1	1 unit	113	7.600	
3VL4740-2□□46-□□□□	1	1 unit	113	7.600		3VL4740-3□□46-□□□□	1	1 unit	113	7.600	
3VL5763-2□□46-□□□□	1	1 unit	113	11.700		3VL5763-3□□46-□□□□	1	1 unit	113	11.700	
3VL6780-2□□46-□□□□	1	1 unit	113	20.500		3VL6780-3□□46-□□□□	1	1 unit	113	20.500	
3VL7710-2□□46-□□□□	1	1 unit	113	33.500		3VL7710-3□□46-□□□□	1	1 unit	113	33.500	
3VL7712-2□□46-□□□□	1	1 unit	113	33.500		3VL7712-3□□46-□□□□	1	1 unit	113	33.500	
3VL8716-2□□40-□□□□	1	1 unit	113	40.800		3VL8716-3□□40-□□□□	1	1 unit	113	40.800	

TE
NE

TE
NE

3VL2706-2□□4□-□□□□	1	1 unit	113	3.100		3VL2706-3□□4□-□□□□	1	1 unit	113	3.100	
3VL2710-2□□4□-□□□□	1	1 unit	113	3.100		3VL2710-3□□4□-□□□□	1	1 unit	113	3.100	
3VL2716-2□□4□-□□□□	1	1 unit	113	3.100		3VL2716-3□□4□-□□□□	1	1 unit	113	3.100	
3VL3720-2□□4□-□□□□	1	1 unit	113	3.300		3VL3720-3□□4□-□□□□	1	1 unit	113	3.300	
3VL3725-2□□4□-□□□□	1	1 unit	113	3.300		3VL3725-3□□4□-□□□□	1	1 unit	113	3.300	

3
6

3
6

3VL4731-2□□46-□□□□	1	1 unit	113	7.600		3VL4731-3□□46-□□□□	1	1 unit	113	7.600	
3VL4740-2□□46-□□□□	1	1 unit	113	7.600		3VL4740-3□□46-□□□□	1	1 unit	113	7.600	
3VL5763-2□□46-□□□□	1	1 unit	113	11.700		3VL5763-3□□46-□□□□	1	1 unit	113	11.700	
3VL6780-2□□46-□□□□	1	1 unit	113	20.500		3VL6780-3□□46-□□□□	1	1 unit	113	20.500	
3VL7710-2□□46-□□□□	1	1 unit	113	33.500		3VL7710-3□□46-□□□□	1	1 unit	113	33.500	
3VL7712-2□□46-□□□□	1	1 unit	113	33.500		3VL7712-3□□46-□□□□	1	1 unit	113	33.500	
3VL8716-2□□40-□□□□	1	1 unit	113	40.800		3VL8716-3□□40-□□□□	1	1 unit	113	40.800	

TF
NF
LF

TF
NF
LF

Molded Case Circuit Breakers

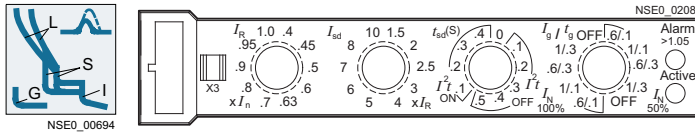
3VL Molded Case Circuit Breakers up to 1600 A, IEC

4-pole

2

Type	Rated current I_n	Current setting of the inverse-time delayed overcurrent releases "L" I_R	Operating current of the instantaneous short-circuit releases "I" I_I	S function short-circuit protection (short-time delayed) I_{sc}	Ground-fault protection "G" I_g	DT	I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview".	(N)				
	A	A	A	A	A		Article No. Article No. supplement, see page 2/60; www.siemens.com/product?ArticleNo.	Price, see page 2/58	PU (UNIT, SET, M)	PS* P. unit	PG	Weight per PU approx. kg

4-pole, fixed-mounted, for system protection - generator protection, 63 A ... 1600 A, Electronic Trip Units LSING



ETU22, LSING function for 4-wire three-phase systems and time-based discrimination

With adjustable overcurrent releases, adjustable short-circuit releases, ground fault delay $t_g = 0.1 \dots 0.3$ s, ground-fault protection (G) can be switched off, short-circuit delay $t_{sd} = 0 \dots 0.5$ s with overcurrent and short-circuit release in the 4th pole (N), N protection = 50/100 %

VL160/3VL2	63	25 ... 63	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.6 \dots 1 \times I_n$, OFF	3VL2706-1□□4□-□□□□	1	1 unit	113	3.100
	100	40 ... 100	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.6 \dots 1 \times I_n$, OFF	3VL2710-1□□4□-□□□□	1	1 unit	113	3.100
	160	64 ... 160	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.6 \dots 1 \times I_n$, OFF	3VL2716-1□□4□-□□□□	1	1 unit	113	3.100
VL250/3VL3	200	80 ... 200	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.6 \dots 1 \times I_n$, OFF	3VL3720-1□□4□-□□□□	1	1 unit	113	3.300
	250	100 ... 250	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.6 \dots 1 \times I_n$, OFF	3VL3725-1□□4□-□□□□	1	1 unit	113	3.300

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal
- Connection with flat screw terminal¹⁾

3
6

VL400/3VL4	315	128 ... 315	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.6 \dots 1 \times I_n$, OFF	3VL4731-1□□46-□□□□	1	1 unit	113	7.600
	400	160 ... 400	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.6 \dots 1 \times I_n$, OFF	3VL4740-1□□46-□□□□	1	1 unit	113	7.600
VL630/3VL5	630	252 ... 630	$10 \times I_n$	$1.5 \dots 9 \times I_R$	$0.6 \dots 1 \times I_n$, OFF	3VL5763-1□□46-□□□□	1	1 unit	113	11.700
VL800/3VL6	800	320 ... 800	$8 \times I_n$	$1.5 \dots 7 \times I_R$	$0.6 \dots 1 \times I_n$, OFF	3VL6780-1□□46-□□□□	1	1 unit	113	20.500
VL1250/3VL7	1000	400 ... 1000	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.6 \dots 1 \times I_n$, OFF	3VL7710-1□□46-□□□□	1	1 unit	113	33.500
	1250	500 ... 1250	$11 \times I_n$	$1.5 \dots 10 \times I_R$	$0.6 \dots 1 \times I_n$, OFF	3VL7712-1□□46-□□□□	1	1 unit	113	33.500
VL1600/3VL8 ²⁾	1600	640 ... 1600	$9 \times I_n$	$1.5 \dots 8 \times I_R$	$0.6 \dots 1 \times I_n$, OFF	3VL8716-1□□40-□□□□	1	1 unit	113	40.800

- Without communication preparation
- With communication preparation

TH
NH

¹⁾ When the circuit breaker with flat screw terminal is ordered, the basic price is reduced.

²⁾ Front busbar connection pieces are included in the scope of supply and are to be fitted by the customer.

Communication:

- For accessories, see page 2/95.
- For more information, see also chapters "Measuring Devices and Power Monitoring" and "Software".

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

4-pole

2

DT	I_{cu} up to 70 kA at 415 V, high breaking capacity H						(H)	DT	I_{cu} up to 100 kA at 415 V, very high breaking capacity L						(L)
	Article No.	Price, see page 2/58	PU (UNIT, SET, M)	PS* / P. unit	PG	Weight per PU approx.		Article No.	Price, see page 2/58	PU (UNIT, SET, M)	PS* / P. unit	PG	Weight per PU approx.		

3VL2706-2□□4□-□□□□	1	1 unit	113	3.100			3VL2706-3□□4□-□□□□	1	1 unit	113	3.100		
3VL2710-2□□4□-□□□□	1	1 unit	113	3.100			3VL2710-3□□4□-□□□□	1	1 unit	113	3.100		
3VL2716-2□□4□-□□□□	1	1 unit	113	3.100			3VL2716-3□□4□-□□□□	1	1 unit	113	3.100		
3VL3720-2□□4□-□□□□	1	1 unit	113	3.300			3VL3720-3□□4□-□□□□	1	1 unit	113	3.300		
3VL3725-2□□4□-□□□□	1	1 unit	113	3.300			3VL3725-3□□4□-□□□□	1	1 unit	113	3.300		

3
6

3
6

3VL4731-2□□46-□□□□	1	1 unit	113	7.600			3VL4731-3□□46-□□□□	1	1 unit	113	7.600		
3VL4740-2□□46-□□□□	1	1 unit	113	7.600			3VL4740-3□□46-□□□□	1	1 unit	113	7.600		
3VL5763-2□□46-□□□□	1	1 unit	113	11.700			3VL5763-3□□46-□□□□	1	1 unit	113	11.700		
3VL6780-2□□46-□□□□	1	1 unit	113	20.500			3VL6780-3□□46-□□□□	1	1 unit	113	20.500		
3VL7710-2□□46-□□□□	1	1 unit	113	33.500			3VL7710-3□□46-□□□□	1	1 unit	113	33.500		
3VL7712-2□□46-□□□□	1	1 unit	113	33.500			3VL7712-3□□46-□□□□	1	1 unit	113	33.500		
3VL8716-2□□40-□□□□	1	1 unit	113	40.800			3VL8716-3□□40-□□□□	1	1 unit	113	40.800		

TH
NH

TH
NH

Molded Case Circuit Breakers

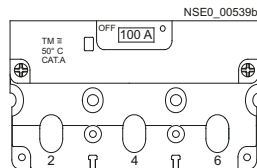
3VL Molded Case Circuit Breakers up to 1600 A, IEC

4-pole

2

Type	Rated current I_n	Operating current of the instantaneous short-circuit releases "I" I_i	DT	I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview".	(N)
	A	A		Article No. Article No. supplement, see page 2/60; www.siemens.com/ product?Article.No.	Basic price per PU PU (UNIT, SET, M) PS*/ P. unit PG Weight per PU approx. kg

4-pole, fixed-mounted, for safe disconnection,
100 A ... 1600 A, magnetic trip units I



Non-automatic molded case circuit breakers¹⁾, I function

Without overcurrent releases, with non-adjustable short-circuit releases (for intrinsic protection only),
without overcurrent and short-circuit release in the 4th pole (N)

VL160X/3VL1	100 160	1800 1800	3VL1710-1EE40-□□□□ 3VL1716-1EE40-□□□□	1 1	1 unit 1 unit	113 113	2.500 2.500
VL160/3VL2	100 160	2500 2500	3VL2710-1EE40-□□□□ 3VL2716-1EE40-□□□□	1 1	1 unit 1 unit	113 113	3.000 3.000
VL250/3VL3	250	3500	3VL3725-1EE40-□□□□	1	1 unit	113	3.200

Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal

- Connection with screw terminal not in conjunction with RCD module at 3VL1²⁾

3

6

VL400/3VL4	400	4000	3VL4740-1EE46-□□□□	1	1 unit	113	7.400
VL630/3VL5	630	6300	3VL5763-1EE46-□□□□	1	1 unit	113	11.200
VL800/3VL6	800	6500	3VL6780-1EE46-□□□□	1	1 unit	113	19.900
VL1250/3VL7	1250	12000	3VL7712-1EE46-□□□□	1	1 unit	113	31.000
VL1600/3VL8 ³⁾	1600	14400	3VL8716-1EE40-□□□□	1	1 unit	113	38.300

¹⁾ See also chapter "Switch Disconnectors". 3K. switch disconnectors are also available with rear-mounting operating mechanism and leading contacts.

²⁾ When the circuit breaker with flat screw terminal is ordered, the basic price is reduced.

³⁾ Front busbar connection pieces are included in the scope of supply and are to be fitted by the customer.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

4-pole

2

DT	I_{cu} up to 70 kA at 415 V, high breaking capacity H					(H)	DT	I_{cu} up to 100 kA at 415 V, very high breaking capacity L					(L)
	Article No. Article No. supplement, see page 2/60; www.siemens.com/ product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS* P. unit	PG	Weight per PU approx. kg		Article No. Article No. supplement, see page 2/60; www.siemens.com/ product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS* P. unit	PG	Weight per PU approx. kg

3VL1710-2EE4□-□□□□	1	1 unit	113	2.500	--								
3VL1716-2EE4□-□□□□	1	1 unit	113	2.500	--								
3VL2710-2EE4□-□□□□	1	1 unit	113	3.000			3VL2710-3EE4□-□□□□	1	1 unit	113	3.000		
3VL2716-2EE4□-□□□□	1	1 unit	113	3.000			3VL2716-3EE4□-□□□□	1	1 unit	113	3.000		
3VL3725-2EE4□-□□□□	1	1 unit	113	3.200			3VL3725-3EE4□-□□□□	1	1 unit	113	3.200		

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63
6

3VL4740-2EE46-□□□□	1	1 unit	113	7.400			3VL4740-3EE46-□□□□	1	1 unit	113	7.400		
3VL5763-2EE46-□□□□	1	1 unit	113	11.200			3VL5763-3EE46-□□□□	1	1 unit	113	11.200		
3VL6780-2EE46-□□□□	1	1 unit	113	19.900			3VL6780-3EE46-□□□□	1	1 unit	113	19.900		
3VL7712-2EE46-□□□□	1	1 unit	113	31.000			3VL7712-3EE46-□□□□	1	1 unit	113	31.000		
3VL8716-2EE40-□□□□	1	1 unit	113	38.300			3VL8716-3EE40-□□□□	1	1 unit	113	38.300		

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

4-pole

Article No. supplement (for complete Article No., see pages 2/44 to 2/54) 3VL7..-..□□4-....	Releases	Breaking capacity	Type												
			VL160 ¹⁾			VL250 ¹⁾			VL400		VL630	VL800	VL1250		VL1600
			3VL2			3VL3			3VL4		3VL5	3VL6	3VL7		3VL8
Rated current I_n															
Price €															
			63 A	100 A	160 A	200 A	250 A	315 A	400 A	630 A	800 A	1000 A	1250 A	1600 A	
ETU10	TB	N H L	3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
ETU10	NB	N H L	3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
ETU10	TA	N H L	3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
ETU10	NA	N H L	3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
ETU10	LA	N H L	3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
ETU12	TN	N H L	3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
ETU12	NN	N H L	3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
ETU40	UJ	N H L	3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
ETU42	UN	N H L	3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
ETU20	TE	N H L	3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
ETU20	NE	N H L	3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
ETU20	TF	N H L	3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
ETU20	NF	N H L	3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
ETU20	LF	N H L	3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
ETU22	TH	N H L	3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
ETU22	NH	N H L	3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	
			3	3	3	3	3	3	3	3	3	3	3	3	

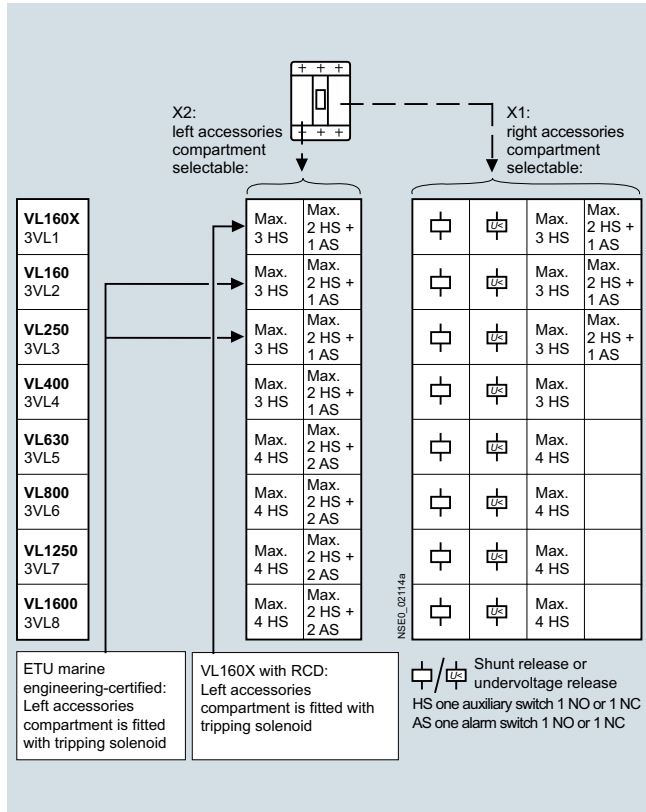
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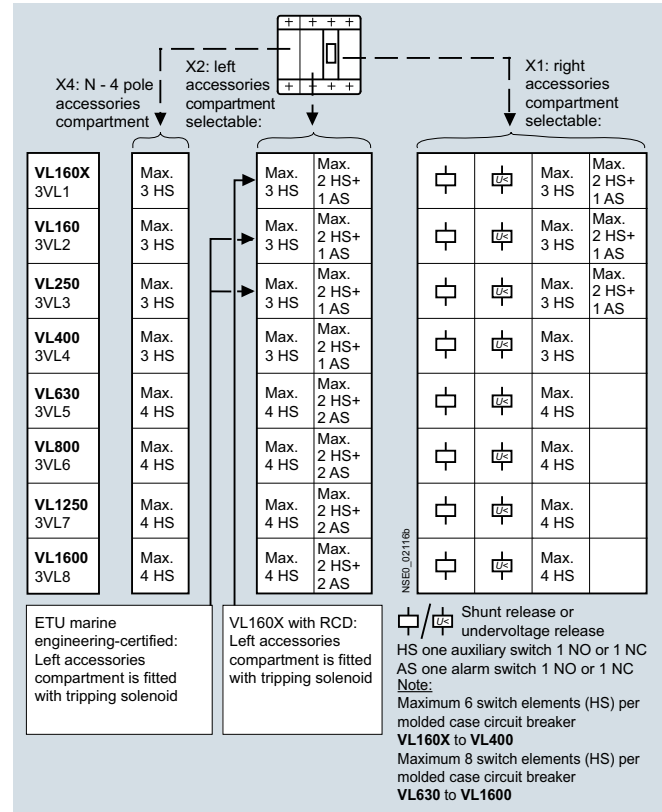
1) The basic price is reduced when the molded case circuit breaker is ordered with a flat screw terminal ".36-".

Equipment options for the insulated accessory compartments in the 3VL molded case circuit breakers

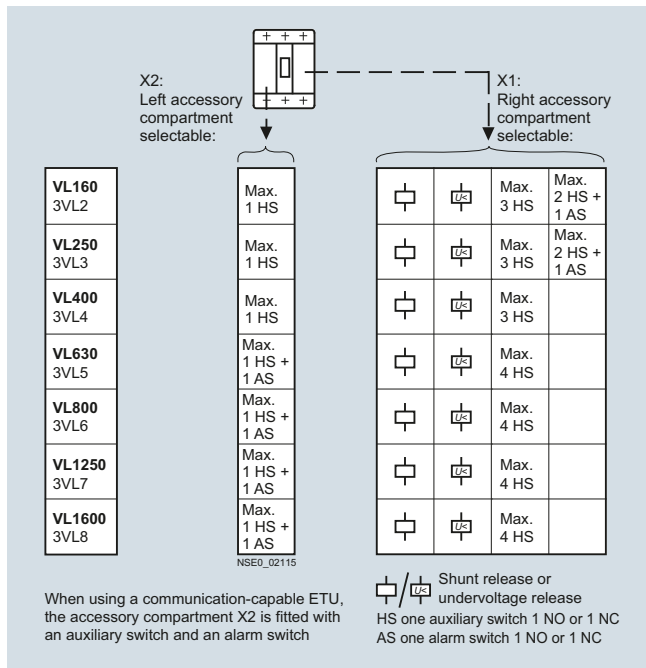
3-pole circuit breakers without communication preparation



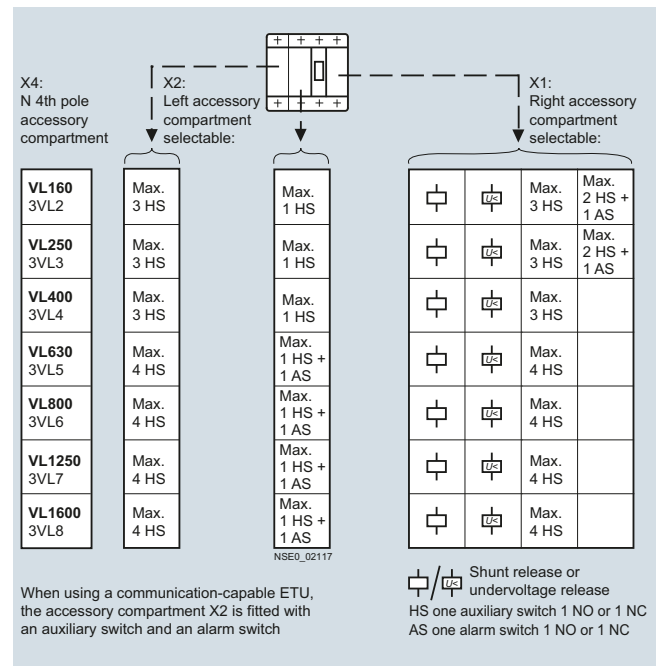
4-pole circuit breakers without communication preparation



3-pole circuit breakers with communication preparation



4-pole circuit breakers with communication preparation



Note:

Before ordering, use the tables above to check whether the required combination of shunt releases, undervoltage releases and auxiliary/alarm switches is feasible.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Options

1st Article No. supplement: Undervoltage or shunt release, wiring directly to accessories

Rated control supply voltage U_c /frequency 50/60 Hz AC DC	Article No. supplement 3VL.....-...- □ □ ..	Circuit breakers Type VL160X to VL400/ 3VL1 to 3VL4	VL630 to VL1600/ 3VL5 to 3VL8
		Additional price	Additional price
3- or 4-pole			
Without auxiliary release		0 A	None
With undervoltage releases Only right pole			
V AC	V DC		
--	12	2 N	✓
--	24	2 P	✓
--	48	2 U	✓
--	60	2 V	✓
--	110 ... 127	2 R	✓
--	220 ... 250	2 S	✓
24	--	2 D	✓
110 ... 127	--	2 G	✓
220 ... 250	--	2 H	✓
208	--	2 M	✓
277	--	2 Q	✓
380 ... 415	--	2 J	✓
440 ... 480	--	2 K	✓
500 ... 525	--	2 L	✓
With shunt releases Only right pole			
V AC	V DC		
24	24	8 C	✓
--	48 ... 60	8 J	✓
--	110 ... 127	8 K	✓
--	220 ... 250	8 Q	✓
48 ... 60	--	8 M	✓
110 ... 127	--	8 R	✓
208 ... 277	--	8 T	✓
380 ... 600	--	8 V	✓

2nd Article No. supplement: Auxiliary switches (HS) and alarm switches (AS), left/right pole, directly wired to accessories

Equipment HS = 1 NO or 1 NC contact block AS = 1 NO contact block	Article No. supplement 3VL.....-...- .. □ □	Circuit breakers Type VL160X to VL400 ¹⁾ / 3VL1 to 3VL4	VL630 to VL1600/ 3VL5 to 3VL8
		Additional price	Additional price
Without auxiliary/alarm switches		A 0	None
2 HS (1 NO/1 NC) ²⁾	B 1	✓ ¹⁾⁴⁾	--
4 HS (2 NO/2 NC)	C 1	✓	✓
2 HS (1 NO/1 NC) + 1 AS (1 NO)	D 1	✓ ¹⁾⁴⁾	--
2 HS (1 NO/1 NC) + 1 AS (1 NO) ³⁾	E 1	--	✓ ⁵⁾

✓ Additional price

-- Not available

- 1) Except for installation in the left accessory compartment of the VL160X molded case circuit breakers with RCD module.
- 2) With mounting adapter up to 3 HS.
- 3) With mounting adapter up to 2 HS + 2 AS.
- 4) Not feasible for use of marine engineering ETU and additional use of shunt and undervoltage releases.
When using a communication-capable ETU, the accessory compartment X2 is fitted with an auxiliary switch and an alarm switch. The combination of 1st and 2nd Article No. supplement is only possible with restrictions. It is recommended to use the configurator in the Mall for selection purposes.
- 5) Not possible when using a communication-capable ETU.

Selection and ordering data

When ordering, add "-Z" to the complete Article No. and add the relevant order code(s).

Article No. with "-Z" Additional price

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
 3VL -Z
 and additional order code(s)

+ . . . + . . .

Code for further versions -Z

For fixed-mounted circuit breakers (wired in factory)

3- or 4-pole

Description	For	Code	Additional price
Prewired internal accessories Connecting cables (3 m long) brought out at the rear This option "L02" can be selected only in combination with internal accessories (page 2/60).	For VL160X to VL1600 (3VL1 to 3VL8)	L 0 2	✓
Prewired connecting cables for motorized operating mechanisms with stored energy mechanisms (SEO) Connecting cables on the circuit breaker for motorized operating mechanisms (3 m long). On VL160X to VL400 brought out at the top. On VL630 and VL800 brought out on the right. Option "L12" can only be selected in combination with motorized operating mechanisms (order codes "M24", "M42", "M60", "M11" and "M22").	For VL160X to VL800 (3VL1 to 3VL6)	L 1 2	✓
Motorized operating mechanisms with stored energy mechanisms for synchronization tasks (24 V DC) Motorized operating mechanisms not prewired; if wiring for the motorized operating mechanism is wanted, please specify "L12" in addition. If internal accessories are provided, the prewiring option "L02" for internal accessories is already included. In this case "L02" must not be specified in addition.	Available with VL160X, VL160, VL250 (3VL1, 3VL2, 3VL3) VL400 (3VL4) VL630, VL800 (3VL5, 3VL6) VL1250, VL1600 (3VL7, 3VL8) ¹⁾	M 2 4	✓ ✓ ✓ ✓
Motorized operating mechanisms with stored energy mechanisms for synchronization tasks (42 ... 48 V AC/DC) Motorized operating mechanisms not prewired; if wiring for the motorized operating mechanism is wanted, please specify "L12" in addition. If internal accessories are provided, the prewiring option "L02" for internal accessories is already included. In this case "L02" must not be specified in addition.	Available with VL160X, VL160, VL250 (3VL1, 3VL2, 3VL3) VL400 (3VL4) VL630, VL800 (3VL5, 3VL6) VL1250, VL1600 (3VL7, 3VL8) ¹⁾	M 4 2	✓ ✓ ✓ ✓
Motorized operating mechanisms with stored energy mechanisms for synchronization tasks (60 V AC/DC) Motorized operating mechanisms not prewired; if wiring for the motorized operating mechanism is wanted, please specify "L12" in addition. If internal accessories are provided, the prewiring option "L02" for internal accessories is already included. In this case "L02" must not be specified in addition.	Available with VL160X, VL160, VL250 (3VL1, 3VL2, 3VL3) VL400 (3VL4) VL630, VL800 (3VL5, 3VL6) VL1250, VL1600 (3VL7, 3VL8) ¹⁾	M 6 0	✓ ✓ ✓ ✓
Motorized operating mechanisms with stored energy mechanisms for synchronization tasks (110 ... 127 V AC/DC) Motorized operating mechanisms not prewired; if wiring for the motorized operating mechanism is wanted, please specify "L12" in addition. If internal accessories are provided, the prewiring option "L02" for internal accessories is already included. In this case "L02" must not be specified in addition.	Available with VL160X, VL160, VL250 (3VL1, 3VL2, 3VL3) VL400 (3VL4) VL630, VL800 (3VL5, 3VL6) VL1250, VL1600 (3VL7, 3VL8) ¹⁾	M 1 1	✓ ✓ ✓ ✓
Motorized operating mechanisms with stored energy mechanisms for synchronization tasks (220 ... 250 V AC/DC) Motorized operating mechanisms not prewired; if wiring for the motorized operating mechanism is wanted, please specify "L12" in addition. If internal accessories are provided, the prewiring option "L02" for internal accessories is already included. In this case "L02" must not be specified in addition.	Available with VL160X, VL160, VL250 (3VL1, 3VL2, 3VL3) VL400 (3VL4) VL630, VL800 (3VL5, 3VL6) VL1250, VL1600 (3VL7, 3VL8) ¹⁾	M 2 2	✓ ✓ ✓ ✓

✓ Additional price

¹⁾ The motorized operating mechanism for VL1250 and VL1600 (3VL7 and 3VL8) has no stored energy mechanism and is also unsuitable for synchronization tasks.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Options

2

When ordering, add "-Z" to the complete Article No. and add the relevant order code(s). Article No. with "-Z" 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
3VL -Z
 and additional order code(s)
 + . . . + . . .

Additional price

Code for further versions **-Z**

For fixed-mounted circuit breakers (wired in factory)

3- or 4-pole

Pre-mounted motorized operating mechanisms (24 V DC) on circuit breaker, not synchronizable	Available with VL160X (3VL1) VL160, VL250 (3VL2, 3VL3) VL400 (3VL4) VL630, VL800 (3VL5, 3VL6)	M 2 5	✓ ✓ ✓ ✓
If internal accessories are provided, the rewiring option "L02" for internal accessories is already included. In this case "L02" must <u>not</u> be specified in addition.			
Pre-mounted motorized operating mechanisms (42 ... 60 V AC/DC) on circuit breaker, not synchronizable	Available with VL160X (3VL1) VL160, VL250 (3VL2, 3VL3) VL400 (3VL4) VL630, VL800 (3VL5, 3VL6)	M 4 3	✓ ✓ ✓ ✓
If internal accessories are provided, the rewiring option "L02" for internal accessories is already included. In this case "L02" must <u>not</u> be specified in addition.			
Pre-mounted motorized operating mechanisms (110 ... 127 V AC/DC) on circuit breaker, not synchronizable	Available with VL160X (3VL1) VL160, VL250 (3VL2, 3VL3) VL400 (3VL4) VL630, VL800 (3VL5, 3VL6)	M 1 2	✓ ✓ ✓ ✓
If internal accessories are provided, the rewiring option "L02" for internal accessories is already included. In this case "L02" must <u>not</u> be specified in addition.			
Pre-mounted motorized operating mechanisms (220 ... 250 V AC/DC) on circuit breaker, not synchronizable	Available with VL160X (3VL1) VL160, VL250 (3VL2, 3VL3) VL400 (3VL4) VL630, VL800 (3VL5, 3VL6)	M 2 3	✓ ✓ ✓ ✓
If internal accessories are provided, the rewiring option "L02" for internal accessories is already included. In this case "L02" must <u>not</u> be specified in addition.			

✓ Additional price

Selection and ordering data

Wiring directly to accessories	DT	For VL160X to VL400 (3VL1 to 3VL4)	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
		Article No. www.siemens.com/product?Article.No.	Price per PU			kg

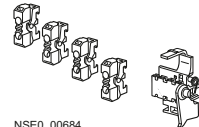
Auxiliary switches and auxiliary releases

3- or 4-pole

For retrofitting (for possible complements, see Technical Information at www.siemens.com/lowvoltage/product-support.)

Auxiliary switches (HS) and alarm switches (AS)

For retrofitting



NSE0_00684
3VL9400-2A.00

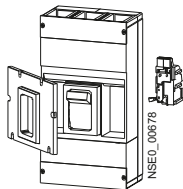
Assembly kits	Mounting side					
2 HS (1 NO + 1 NC)	N, left ¹⁾ , right	3VL9400-2AB00	1	1 unit	113	0.056
4 HS (2 NO + 2 NC)	N, left ¹⁾ , right	--				
2 HS (1 NC + 1 NO)	left ¹⁾ , right ³⁾	3VL9400-2AD00	1	1 unit	113	0.089
+ 1 AS (1 NO) (assembly kit)	left ¹⁾	--				

Additional auxiliary switch/ alarm switch combinations

See page 2/65.

Shunt releases²⁾

For retrofitting



3VL9400-1S.00,
3VL9400-1U.00

V AC	V DC	Mounting side				
24	24	Right pole only	3VL9400-1SC00	1	1 unit	113 0.100
--	48 ... 60	Right pole only	3VL9400-1SJ00	1	1 unit	113 0.103
--	110 ... 127	Right pole only	3VL9400-1SK00	1	1 unit	113 0.099
--	220 ... 250	Right pole only	3VL9400-1SQ00	1	1 unit	113 0.098
48 ... 60	--	Right pole only	3VL9400-1SM00	1	1 unit	113 0.103
110 ... 127	--	Right pole only	3VL9400-1SR00	1	1 unit	113 0.101
208 ... 277	--	Right pole only	3VL9400-1ST00	1	1 unit	113 0.097
380 ... 600	--	Right pole only	3VL9400-1SV00	1	1 unit	113 0.106

Undervoltage releases

For retrofitting

V AC	V DC	Mounting side				
--	12	Right pole only	3VL9400-1UN00	1	1 unit	113 0.100
--	24	Right pole only	3VL9400-1UP00	1	1 unit	113 0.099
--	48	Right pole only	3VL9400-1UU00	1	1 unit	113 0.100
--	60	Right pole only	3VL9400-1UV00	1	1 unit	113 0.098
24	--	Right pole only	3VL9400-1UD00	1	1 unit	113 0.104
110 ... 127	--	Right pole only	3VL9400-1UG00	1	1 unit	113 0.104
--	110 ... 127	Right pole only	3VL9400-1UR00	1	1 unit	113 0.099
208	--	Right pole only	3VL9400-1UM00	1	1 unit	113 0.103
220 ... 250	--	Right pole only	3VL9400-1UH00	1	1 unit	113 0.105
--	220 ... 250	Right pole only	3VL9400-1US00	1	1 unit	113 0.102
277	--	Right pole only	3VL9400-1UQ00	1	1 unit	113 0.100
380 ... 415	--	Right pole only	3VL9400-1UJ00	1	1 unit	113 0.103
440 ... 480	--	Right pole only	3VL9400-1UK00	1	1 unit	113 0.103
500 ... 525	--	Right pole only	3VL9400-1UL00	1	1 unit	113 0.103

Time-delay devices for undervoltage releases (220 ... 250 V DC)

Rated control supply voltage U_s

220 ... 250 V AC

Delay time > 200 ms

3TX4701-0AN1 1 1 unit 41B 0.168

Storage devices for shunt releases (208 ... 277 V AC/220 ... 250 V DC)

Rated control supply voltage U_s

220 V ... 240 V AC/220 V ... 250 V DC

Storage time 5 min

3WL9111-0BA14-0AA0 1 1 unit 103 0.520

- Except for installation in the left accessory compartment of the VL160X (3VL1) molded case circuit breakers with RCD module.
- Shunt releases with disconnection contact (3SB3 for ON/OFF position) not floating (see Technical Information at www.siemens.com/lowvoltage/product-support).
- In the case of VL400 (3VL4):
Unsuitable for mounting in the right-hand accessory compartment.
The 3VL9 400-2AB00 assembly kit with auxiliary switches only is recommended.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts

2

Wiring directly to accessories

DT

For VL630 up to VL1600
(3VL5 to 3VL8)

Article No.
[www.siemens.com/
product?ArticleNo.](http://www.siemens.com/product?ArticleNo.)

Price
per PU

PU
(UNIT,
SET, M)

PS*/
P. unit

PG

Weight
per PU
approx.

kg

Auxiliary switches and auxiliary releases

3- or 4-pole

For retrofitting (for possible complements, see Technical Information at www.siemens.com/lowvoltage/product-support.)

Auxiliary switches (HS) and alarm switches (AS)

For retrofitting

Assembly kits	Mounting side
---------------	---------------

2 HS (1 NO + 1 NC)	N, left, right
--------------------	----------------

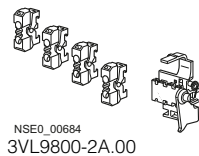
4 HS (2 NO + 2 NC)	N, left, right
--------------------	----------------

2 HS (1 NC + 1 NO)	Left, right
--------------------	-------------

+ 1 AS (1 NO) (assembly kit)	Left
---------------------------------	------

Additional auxiliary switch/
alarm switch combinations

See page 2/65.



NSE0_00684
3VL9800-2A.00

Shunt releases¹⁾

For retrofitting

V AC	V DC	Mounting side
------	------	---------------

24	24	Right pole only
----	----	-----------------

--	48 ... 60	Right pole only
----	-----------	-----------------

--	110 ... 127	Right pole only
----	-------------	-----------------

--	220 ... 250	Right pole only
----	-------------	-----------------

48 ... 60	--	Right pole only
-----------	----	-----------------

110 ... 127	--	Right pole only
-------------	----	-----------------

208 ... 277	--	Right pole only
-------------	----	-----------------

380 ... 600	--	Right pole only
-------------	----	-----------------

Undervoltage releases

For retrofitting

V AC	V DC	Mounting side
------	------	---------------

--	12	Right pole only
----	----	-----------------

--	24	Right pole only
----	----	-----------------

--	48	Right pole only
----	----	-----------------

--	60	Right pole only
----	----	-----------------

24	--	Right pole only
----	----	-----------------

110 ... 127	--	Right pole only
-------------	----	-----------------

--	110 ... 127	Right pole only
----	-------------	-----------------

208	--	Right pole only
-----	----	-----------------

220 ... 250	--	Right pole only
-------------	----	-----------------

--	220 ... 250	Right pole only
----	-------------	-----------------

277	--	Right pole only
-----	----	-----------------

380 ... 415	--	Right pole only
-------------	----	-----------------

440 ... 480	--	Right pole only
-------------	----	-----------------

500 ... 525	--	Right pole only
-------------	----	-----------------

Time-delay devices for undervoltage releases

(220 ... 250 V DC)

Rated control supply voltage U_s

220 ... 250 V AC

Delay time > 200 ms

3TX4701-0AN1

1 1 unit 41B 0.168

1 1 unit 113 0.123

1 1 unit 113 0.119

1 1 unit 113 0.114

1 1 unit 113 0.115

1 1 unit 113 0.118

1 1 unit 113 0.114

1 1 unit 113 0.114

1 1 unit 113 0.115

1 1 unit 113 0.114

1 1 unit 113 0.114

1 1 unit 113 0.121

1 1 unit 113 0.115

1 1 unit 113 0.115

1 1 unit 113 0.116

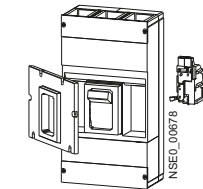
1 1 unit 113 0.116

1 1 unit 113 0.116

1 1 unit 113 0.116

1 1 unit 113 0.116

1 1 unit 113 0.116



3VL9800-1S.00,
3VL9800-1U.00

Storage devices for shunt releases

(208 ... 277 V AC/220 ... 250 V DC)

Rated control supply voltage U_s

220 V ... 240 V AC/220 V ... 250 V DC

Storage time 5 min

3WL9111-0BA14-0AA0

1 1 unit 103 0.520

¹⁾ Shunt releases with disconnection contact (3SB3 for ON/OFF position) not floating (see Technical Information at www.siemens.com/lowvoltage/product-support.)

For circuit breakers	Maximum combination of auxiliary switches (HS) and alarm switches (AS)	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
Type								kg

3SB adapters and 3SB contact blocks**Mounting adapters for auxiliary and alarm switch combinations****For installation in the N pole of the circuit breaker**

VL160X, VL160, VL250, VL400 (3VL1 to 3VL4)	Up to 3 HS ¹⁾		3VL9400-2AH00		1	1 unit	113	0.038
	2 HS + 1 AS ¹⁾²⁾		--					

VL630, VL800, VL1250, VL1600 (3VL5 to 3VL8)	Up to 4 HS		3VL9816-2AL00		1	1 unit	113	0.055
	2 HS + 2 AS		--					

For installation in the left pole of the circuit breaker

VL160X, VL160, VL250, VL400 (3VL1 to 3VL4)	Up to 3 HS ¹⁾		3VL9400-2AH00		1	1 unit	113	0.038
	2 HS + 1 AS ¹⁾²⁾		3VL9400-2AJ10		1	1 unit	113	0.040

VL630, VL800, VL1250, VL1600 (3VL5 to 3VL8)	Up to 4 HS		3VL9816-2AL00		1	1 unit	113	0.055
	2 HS + 2 AS		3VL9816-2AN10		1	1 unit	113	0.058

For installation in the right pole of the circuit breaker

VL160X, VL160, VL250, VL400 (3VL1 to 3VL4) ²⁾	Up to 3 HS ¹⁾		3VL9400-2AH00		1	1 unit	113	0.038
	2 HS + 1 AS ¹⁾²⁾		3VL9400-2AJ20		1	1 unit	113	0.039

VL630, VL800, VL1250, VL1600 (3VL5 to 3VL8)	Up to 4 HS		3VL9816-2AL00		1	1 unit	113	0.055
	2 HS + 2 AS		--					

¹⁾ Except for installing in the left pole for VL160X (3VL1) molded case circuit breakers with RCD module.

²⁾ In the case of VL400: 3VL9 400-2AJ20 unsuitable for mounting in the right-hand accessory compartment.

For auxiliary switches (HS) and alarm switches (AS)	DT	Circuit breakers Type	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
		VL160X to VL1600 (3VL1 to 3VL8)						kg

Contact blocks for auxiliary switch (HS) and alarm switch (AS) combinations

1 NO		3SB3400-0J			1	1 unit	41J	0.009
1 NC		3SB3400-0K			1	1 unit	41J	0.009

For auxiliary switch or alarm switch combinations not included in the kits provided as standard, the mounting adapters specified can be ordered separately together with the required contact blocks:

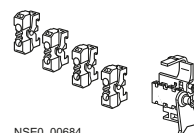
1 HS or 1 AS with NO contact 3SB34 00-0J

1 HS or 1 AS with NC contact 3SB34 00-0K

Note:

A maximum of 6 contact blocks (HS) per circuit breaker (VL160X, VL160, VL250, VL400; 3VL1 to 3VL4) and a maximum of 8 contact blocks (HS) per circuit breaker (VL630, VL800, VL1250, VL1600; 3VL5 to 3VL8) are possible.

Four 3SB34 auxiliary contact blocks and one mounting adapter (right), suitable for VL630, VL800, VL1250, VL1600 (3VL5 to 3VL8) circuit breakers.



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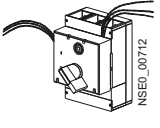
For retrofitting/possible component, see Technical Information at www.siemens.com/lowvoltage/product-support.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts

2

Version	DT	For VL160X to VL250 (3VL1 to 3VL3)	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg
		Article No. www.siemens.com/product?ArticleNo.	Price per PU			
Manual operating mechanisms						
3- or 4-pole						
	Front-operated rotary operating mechanisms¹⁾ For direct mounting on the circuit breaker, without leading auxiliary switch, degree of protection IP30 ²⁾ , black, max. 3 padlocks		3VL9300-3HA00	1	1 unit	113 0.534
	<u>EMERGENCY-STOP version</u> Red knob, yellow indicator plate Safety locks for installation by the customer, see pages 2/88 to 2/92.		3VL9300-3HC00	1	1 unit	113 0.500
	Front-operated rotary operating mechanisms with shaft stub, without knob¹⁾ Without leading auxiliary switch, for auxiliary switches, see below.		3VL9300-3HE00	1	1 unit	113 0.415
	Door-coupling rotary operating mechanisms, complete¹⁾ Installation in doors and covers Degree of protection IP65, including handle ti-grey, with masking plate, indicator plate, removable door coupling (die cast with reduced tolerance compensation), extension shaft (8 x 8 mm), length 300 mm and front-operated rotary operating mechanism for the respective circuit breaker, lockable with up to 3 padlocks, with door interlocking		3VL9300-3HF05	1	1 unit	113 0.800
	<u>EMERGENCY-STOP version</u> Red knob, yellow indicator plate, without leading auxiliary switch Safety locks for installation by the customer, see pages 2/88 to 2/92.		3VL9300-3HG05	1	1 unit	113 0.800
	Leading auxiliary switches for installation in a front-operated rotary operating mechanism or side panel rotary operating mechanism Standard or EMERGENCY-STOP version					
	<u>"OFF after ON"</u> Leading auxiliary switches when switching on		3VL9300-3AS10	1	1 unit	113 0.086
	2 changeover contacts with 1.5 m long cables		3VL9300-3AT10	1	1 unit	113 0.147
	<u>"ON after OFF"</u> Leading auxiliary switches when switching off		3VL9300-3AU10	1	1 unit	113 0.106
2 changeover contacts with 1.5 m long cables		3VL9300-3AW10	1	1 unit	113 0.154	
Side panel rotary operating mech., complete¹⁾						
Degree of protection IP65, including black knob with masking plate, indicator plate, Bowden wire, lockable with up to 3 padlocks						
- With 600 mm Bowden wire		3VL9300-3HR10	1	1 unit	113 1.758	
- With 1000 mm Bowden wire		3VL9300-3HR20	1	1 unit	113 2.100	
- With 1500 mm Bowden wire		3VL9300-3HR30	1	1 unit	113 1.900	
Side panel rotary operating mech., complete¹⁾ <u>EMERGENCY-STOP version</u>						
Degree of protection IP65, including red knob with masking plate, yellow indicator plate, Bowden wire, lockable with up to 3 padlocks						
- With 600 mm Bowden wire		3VL9300-3HR11	1	1 unit	113 2.100	
- With 1000 mm Bowden wire		3VL9300-3HR21	1	1 unit	113 2.100	
- With 1500 mm Bowden wire		3VL9300-3HR31	1	1 unit	113 2.100	
Retaining brackets, suitable for matching door-coupling rotary operating mechanisms, complete with locking device						
Retaining bracket is mounted on the operating mechanism, recommended for extension shafts >250 mm						
- For 6 mm shaft		3VL9300-3HP02	1	1 unit	113 0.409	
		3VL9300-3HP00	1	1 unit	113 0.385	

Additional accessories and components for door-coupling rotary operating mechanism, [see pages 2/71 and 2/73.](#)

¹⁾ Not possible on VL160X with RCD module.

²⁾ IP40 with additional masking frame mounted on the door cutout

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts

2




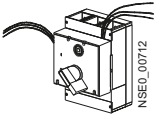
DT	For VL400 (3VL4)	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg	DT	For VL630 (3VL5)	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg
	Article No. www.siemens.com/ product?Article No.							Article No. www.siemens.com/ product?Article No.					
	3VL9400-3HA00		1	1 unit	113	1.281		3VL9600-3HA00		1	1 unit	113	1.373
	3VL9400-3HC00		1	1 unit	113	1.291		3VL9600-3HC00		1	1 unit	113	1.404
	3VL9400-3HE00		1	1 unit	113	1.050		3VL9600-3HE00		1	1 unit	113	1.154
	3VL9400-3HF05		1	1 unit	113	1.510		3VL9600-3HF05		1	1 unit	113	1.660
	3VL9400-3HG05		1	1 unit	113	1.474		3VL9600-3HG05		1	1 unit	113	1.640
	3VL9400-3AS10		1	1 unit	113	0.082		3VL9600-3AS10		1	1 unit	113	0.086
	3VL9400-3AT10		1	1 unit	113	0.137		3VL9600-3AT10		1	1 unit	113	0.137
	3VL9400-3AU10		1	1 unit	113	0.090		3VL9600-3AU10		1	1 unit	113	0.083
	3VL9400-3AW10		1	1 unit	113	0.142		3VL9600-3AW10		1	1 unit	113	0.139
	3VL9400-3HR10		1	1 unit	113	2.640		3VL9500-3HR10		1	1 unit	113	2.852
	3VL9400-3HR20		1	1 unit	113	2.657		3VL9500-3HR20		1	1 unit	113	2.852
	3VL9400-3HR30		1	1 unit	113	2.690		3VL9500-3HR30		1	1 unit	113	2.852
	3VL9400-3HR11		1	1 unit	113	2.619		3VL9500-3HR11		1	1 unit	113	2.870
	3VL9400-3HR21		1	1 unit	113	2.660		3VL9500-3HR21		1	1 unit	113	2.889
	3VL9400-3HR31		1	1 unit	113	3.500		3VL9500-3HR31		1	1 unit	113	2.940
	3VL9400-3HP00		1	1 unit	113	0.516		3VL9600-3HP00		1	1 unit	113	0.562
	--							--					

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts

2

Version	DT	For VL800 (3VL6)	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg	
Manual operating mechanisms								
3- or 4-pole								
Front-operated rotary operating mechanisms								
 <p>3VL9.00-3H.00</p>		<p>For direct mounting on the circuit breaker, without leading auxiliary switch, degree of protection IP30¹⁾, <u>black</u>, max. 3 padlocks</p> <p>EMERGENCY-STOP version Red knob, yellow indicator plate</p> <p>Safety locks for installation by the customer, see pages 2/88 to 2/92.</p>		<p>3VL9600-3HA00</p>	1	1 unit	113	1.373
				<p>3VL9600-3HC00</p>	1	1 unit	113	1.404
 <p>3VL9.00-3H.05</p>		<p>Front-operated rotary operating mechanisms with shaft stub, without knob</p> <p>Without leading auxiliary switch, for auxiliary switches, see below.</p>		<p>3VL9600-3HE00</p>	1	1 unit	113	1.154
 <p>3VL9.00-3H.05</p>		<p>Door-coupling rotary operating mechanisms, complete, installation in doors and covers</p> <p>Degree of protection IP65, including handle, <u>ti-grey</u>, with masking plate, indicator plate, detachable door coupling (die cast, for VL800 (3VL6) with reduced tolerance compensation), extension shaft (8 x 8 mm for VL800 (3VL6), 12 x 12 mm for VL1250 (3VL7) and VL1600 (3VL8), length 300 mm and front-operated rotary operating mechanism for the respective circuit breaker, lockable with max. 3 padlocks, with door interlocking</p> <p>EMERGENCY-STOP version, Red knob, yellow indicator plate, without leading auxiliary switch</p> <p>Safety locks for installation by the customer, see pages 2/88 to 2/92.</p>		<p>3VL9600-3HF05</p>	1	1 unit	113	1.660
				<p>3VL9600-3HG05</p>	1	1 unit	113	1.640
 <p>3VL9.00-3A.10</p>		<p>Leading auxiliary switches for installation in a front-operated rotary operating mechanism or door-coupling rotary operating mechanism</p> <p>Standard or EMERGENCY-STOP version</p> <p>"OFF after ON" Leading auxiliary switches when switching on</p> <p>1 changeover contact with 1.5 m long cables</p> <p>2 changeover contacts with 1.5 m long cables</p> <p>"ON after OFF" Leading auxiliary switches when switching off</p> <p>1 changeover contact with 1.5 m long cables</p> <p>2 changeover contacts with 1.5 m long cables</p>		<p>3VL9600-3AS10</p>	1	1 unit	113	0.086
				<p>3VL9600-3AT10</p>	1	1 unit	113	0.137
				<p>3VL9600-3AU10</p>	1	1 unit	113	0.083
				<p>3VL9600-3AW10</p>	1	1 unit	113	0.139
Retaining brackets suitable for matching door-coupling rotary operating mechanisms, complete with locking device								
<p>Retaining bracket is mounted on the operating mechanism, recommended for extension shafts >250 mm</p>								
<p>3VL9600-3HP00</p>								
				1	1 unit	113	0.562	

Additional accessories and components for door-coupling rotary operating mechanism, [see pages 2/71 and 2/73](#).

¹⁾ IP40 with additional masking frame mounted on the door cutout.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts

DT	For VL1250 to VL1600 (3VL7 to 3VL8)	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
	Article No. www.siemens.com/ product?Article No.					

3VL9800-3HA00

1 1 unit 113 3.562

3VL9800-3HC00

1 1 unit 113 3.580

3VL9800-3HE00

1 1 unit 113 2.859

3VL9800-3HF05

1 1 unit 113 3.940

3VL9800-3HG05

1 1 unit 113 3.980

3VL9800-3AS20

1 1 unit 113 0.137

3VL9800-3AT20

1 1 unit 113 0.200

3VL9800-3AU10

1 1 unit 113 0.092

3VL9800-3AW10

1 1 unit 113 0.164

3VL9800-3HP00

1 1 unit 113 0.630

2

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts

2

Version	DT	Article No. www.siemens.com/ product?Article.No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Motorized operating mechanisms							
3- or 4-pole							
Motorized operating mechanisms with stored energy mechanisms (SEO) for synchronization tasks¹⁾²⁾							
Degree of protection IP30, with locking device for 3 padlocks							
50/60 Hz V AC	V DC						
--	24						
42 ... 48	42 ... 48	3VL9300-3MJ00		1	1 unit	113	2.755
60	60	3VL9300-3ML00		1	1 unit	113	2.810
110 ... 127	110 ... 127	3VL9300-3MS00		1	1 unit	113	2.773
220 ... 250	220 ... 250	3VL9300-3MN00		1	1 unit	113	2.782
		3VL9300-3MQ00		1	1 unit	113	2.802
For VL160X to VL250 (3VL1 to 3VL3)							
50/60 Hz V AC	V DC						
--	24						
42 ... 48	42 ... 48	3VL9400-3MJ00		1	1 unit	113	4.610
60	60	3VL9400-3ML00		1	1 unit	113	4.594
110 ... 127	110 ... 127	3VL9400-3MS00		1	1 unit	113	4.596
220 ... 250	220 ... 250	3VL9400-3MN00		1	1 unit	113	4.602
		3VL9400-3MQ00		1	1 unit	113	4.593
For VL400 (3VL4)							
50/60 Hz V AC	V DC						
--	24						
42 ... 48	42 ... 48	3VL9600-3MJ00		1	1 unit	113	5.630
60	60	3VL9600-3ML00		1	1 unit	113	5.486
110 ... 127	110 ... 127	3VL9600-3MS00		1	1 unit	113	5.662
220 ... 250	220 ... 250	3VL9600-3MN00		1	1 unit	113	5.473
		3VL9600-3MQ00		1	1 unit	113	5.639
For VL630 and VL800 (3VL5 and 3VL6)							
50/60 Hz V AC	V DC						
--	24						
42 ... 48	42 ... 48	3VL9100-3MA10		1	1 unit	113	1.807
60	60	3VL9100-3MC10		1	1 unit	113	1.790
110 ... 127	110 ... 127	3VL9100-3MD10		1	1 unit	113	1.770
220 ... 250	220 ... 250	3VL9100-3ME10		1	1 unit	113	1.802
For VL160X (3VL1)							
50/60 Hz V AC	V DC						
--	24						
42 ... 60	42 ... 60	3VL9300-3MA10		1	1 unit	113	1.800
60	60	3VL9300-3MC10		1	1 unit	113	1.799
110 ... 127	110 ... 127	3VL9300-3MD10		1	1 unit	113	1.797
220 ... 250	220 ... 250	3VL9300-3ME10		1	1 unit	113	1.805
For VL160 and VL250 (3VL2 and 3VL3)							
50/60 Hz V AC	V DC						
--	24						
42 ... 60	42 ... 60	3VL9400-3MA10		1	1 unit	113	2.298
60	60	3VL9400-3MC10		1	1 unit	113	2.330
110 ... 127	110 ... 127	3VL9400-3MD10		1	1 unit	113	2.320
220 ... 250	220 ... 250	3VL9400-3ME10		1	1 unit	113	2.325
For VL400 (3VL4)							
50/60 Hz V AC	V DC						
--	24						
42 ... 60	42 ... 60	3VL9600-3MA10		1	1 unit	113	2.310
60	60	3VL9600-3MC10		1	1 unit	113	2.261
110 ... 127	110 ... 127	3VL9600-3MD10		1	1 unit	113	2.329
220 ... 250	220 ... 250	3VL9600-3ME10		1	1 unit	113	2.332
For VL630 and VL800 (3VL5 and 3VL6)							
50/60 Hz V AC	V DC						
--	24						
42 ... 60	42 ... 60	3VL9800-3MA10		1	1 unit	113	7.910
60	60	3VL9800-3ML00		1	1 unit	113	7.945
110 ... 127	110 ... 127	3VL9800-3MS00		1	1 unit	113	7.945
220 ... 250	220 ... 250	3VL9800-3MN00		1	1 unit	113	7.861
		3VL9800-3MQ00		1	1 unit	113	7.865
For VL1250 and VL1600²⁾ (3VL7 and 3VL8)							
50/60 Hz V AC	V DC						
--	24						
42 ... 48	42 ... 48	3VL9300-3MJ00		1	1 unit	113	2.755
60	60	3VL9300-3ML00		1	1 unit	113	2.810
110 ... 127	110 ... 127	3VL9300-3MS00		1	1 unit	113	2.773
220 ... 250	220 ... 250	3VL9300-3MN00		1	1 unit	113	2.782
		3VL9300-3MQ00		1	1 unit	113	2.802



3VL9.00-3M.00



3VL9.00-3M.10

Toggle lever extension

Toggle lever extension

- for VL400 (3VL4)
- for VL630 and VL800 (3VL5 and 3VL6)
- for VL1250 and VL1600 (3VL7 and 3VL8)

For VL400 up to VL1600 (3VL4 to 3VL8)

3VL9400-3HN00	1	1 unit	113	0.023
3VL9600-3HN00	1	1 unit	113	0.027
3VL9800-3HN00	1	1 unit	113	0.251

¹⁾ Not possible on VL160X with RCD module.




²⁾ For safety lock as an assembly kit for retrofitting, see pages 2/88 to 2/92.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

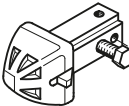
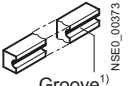
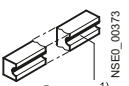
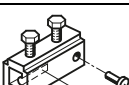

Accessories and spare parts

2

Switching devices	Rotary operating mechanisms	Size	Cross-section of the actuating shaft	Version ¹⁾	DT	Individual parts for 8UC7 door-coupling rotary operating mechanisms	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
Type	Type	mm × mm				Article No. www.siemens.com/ product?Article No.	Price per PU			kg
Individual parts for 8UC door-coupling rotary operating mechanisms²⁾										
Handles with masking plate (including flat gasket and fixing screws)										
	3VL1, 3VL2, 3VL3	8UC71	1	6 × 6 or 8 × 8	Standard EMERGENCY-STOP	8UC7110-6BD 8UC7120-8BD	1	1 unit	103	0.185
	3VL4, 3VL5, 3VL6	8UC72	2	8 × 8	Standard EMERGENCY-STOP	8UC7210-6BD 8UC7220-8BD	1	1 unit	103	0.189
	3VL7, 3VL8	8UC73	3	12 × 12	Standard EMERGENCY-STOP	8UC7310-6BD 8UC7320-8BD	1	1 unit	103	0.480
							1	1 unit	103	0.488

¹⁾ Standard: Ti-grey handle, light-gray masking plate; EMERGENCY-STOP: Red handle, yellow masking plate.

²⁾ Cannot be used for side panel rotary operating mechanisms

Rotary operating mechanisms	Cross-section of the actuating shaft	DT	Individual parts for 8UC6 door-coupling rotary operating mechanisms	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
Type	mm × mm		Article No. www.siemens.com/ product?Article No.	Price per PU			kg
Individual parts for 8UC door-coupling rotary operating mechanisms							
Coupling drivers for 3VL							
	8UC71 (plastic)	6 × 6	8UC7011-2AA	1	1 unit	103	0.051
	8UC71/8UC72 ²⁾ (die cast)	8 × 8	8UC6017-2AA	1	1 unit	103	0.046
	8UC73/74 (die cast)	12 × 12	8UC6014	1	1 unit	103	0.234
Extension shafts 300 mm long							
	8UC71	6 × 6	8UC6031	1	1 unit	103	0.068
	8UC71/8UC72	8 × 8	8UC6032	1	1 unit	103	0.135
	8UC73	10 × 10	8UC6033	1	1 unit	103	0.215
	8UC73/74	12 × 12	8UC6034	1	1 unit	103	0.316
Extension shafts 600 mm long							
	8UC71	6 × 6	8UC6081	1	1 unit	103	0.136
	8UC71/8UC72	8 × 8	8UC6082	1	1 unit	103	0.265
	8UC73	10 × 10	8UC6083	1	1 unit	103	0.424
	8UC73/74	12 × 12	8UC6084	1	1 unit	103	0.628
Shaft couplings							
	8UC71	6 × 6	8UC6021	1	1 unit	103	0.027
	8UC72	8 × 8	8UC6022	1	1 unit	103	0.020
	8UC73	10 × 10	8UC6023	1	1 unit	103	0.083
	8UC73/74	12 × 12	8UC6024	1	1 unit	103	0.078
Reducers							
	8UC71	8 × 8 to 6 × 6	8UC7058	1	1 unit	103	0.024
	8UC72	12 × 12 to 8 × 8	8UC7050	1	1 unit	103	0.081

¹⁾ Non-interchangeability features.


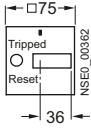


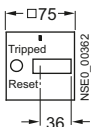


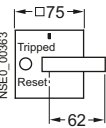


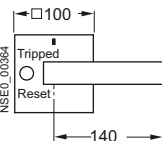

²⁾ Shortened coupling driver with reduced tolerance compensation.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts

2

	Switching devices	Rated current	Cross-section of the actuating shaft	Torque	Rotary operating mechanisms	Illustrated: Handle, masking plate
Type	A	mm	Nm	Size		
8UC door-coupling rotary operating mechanisms						
8UC71 - 3VL circuit breakers						
	3VL1	16 ... 160	6 × 6	4	1	
	3VL2	50 ... 160	6 × 6	4		
	3VL3	200... 250	6 × 6	4		
	3VL1	16 ... 160	8 × 8	4	1	
	3VL2	50 ... 160	8 × 8	4		
	3VL3	200... 250	8 × 8	4		
(Supplied with door-coupling rotary operating mechanism, complete 3VL9 300-3H.05)						
8UC72 - 3VL circuit breakers						
	3VL4	200 ... 400	8 × 8	9	2	
	3VL5	315 ... 600	8 × 8	9		
	3VL6	320 ... 800	8 × 8	9		
8UC73 - 3VL circuit breakers						
	3VL7	400 ... 1250	12 × 12	25	3	
	3VL8	640 ... 1600	12 × 12	25		

¹⁾ Requires in addition a front-operated rotary operating mechanism with shaft stub for direct mounting to the circuit breaker. For ordering the complete operating mechanism, see pages 2/66 to 2/69.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts

2

Version	DT	Rotary operating mechanisms, complete ¹⁾	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.	Individual parts of the rotary operating mechanism				
							Handle with masking plate	Coupling drivers	Extension shaft (length 300 mm)	Reducer/shaft coupling	
Standard: Ti-grey handle, light-gray masking plate; EMERGENCY-STOP: Red handle, yellow masking plate		Article No. www.siemens.com/product?Article No. Price per PU					kg	Article No.	Article No.	Article No.	Article No.
Standard EMERGENCY-STOP (coupling driver made of plastic)		8UC7111-6BD15 8UC7121-8BD15	1	1 unit	103	0.360	8UC71 10-6BD	□ 6 mm 8UC70 11-2AA	□ 6 mm 8UC60 31	□ 8 mm by 6 mm 8UC70 58	
			1	1 unit	103	0.386	8UC71 20-8BD	8UC70 11-2AA	8UC60 31	8UC70 58	
Standard EMERGENCY-STOP (Die cast coupling driver with reduced tolerance compensation)		8UC7162-6BD22 8UC7172-8BD22	1	1 unit	103	0.420	8UC71 10-6BD	□ 8 mm 8UC60 17-2AA	□ 8 mm 8UC60 32	□ 8 mm by 8 mm 8UC60 22	
			1	1 unit	103	0.416	8UC71 20-8BD	8UC60 17-2AA	8UC60 32	8UC60 22	
Standard EMERGENCY-STOP (Die cast coupling driver with reduced tolerance compensation)		8UC7262-6BD26 8UC7262-8BD26	1	1 unit	103	0.502	8UC72 10-6BD	□ 8 mm 8UC60 17-2AA	□ 8 mm 8UC60 32	□ 12 mm by 8 mm 8UC70 50	
			1	1 unit	103	0.485	8UC72 20-8BD	8UC60 17-2AA	8UC60 32	8UC70 50	
Standard EMERGENCY-STOP (Die cast coupling driver)		8UC7314-6BD44 8UC7324-8BD44	1	1 unit	103	1.184	8UC73 10-6BD	□ 12 mm 8UC60 14	□ 12 mm 8UC60 34	□ 12 mm by 12 mm 8UC60 24	
			1	1 unit	103	1.228	8UC73 20-8BD	8UC60 14	8UC60 34	8UC60 24	

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts

2

Version	DT	For VL160X (3VL1) Article No. www.siemens.com/ product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Plug-in versions/withdrawable versions							
3- or 4-pole							
Plug-in base assembly kits Base, blade contacts for circuit breakers, terminal covers for degree of protection IP20, fixing screws, trip pin							
Rear terminals							
3-pole		3VL9100-4PA30		1	1 unit	113	2.490
3-pole with RCD module		3VL9100-4PB30		1	1 unit	113	2.839
4-pole		3VL9100-4PA40		1	1 unit	113	3.272
4-pole with RCD module		3VL9100-4PB40		1	1 unit	113	3.622
90° angle connecting adapters							
For rear connection, 3-pole		3VL9300-4PE30		1	1 unit	113	0.452
For rear connection, 4-pole		3VL9300-4PE40		1	1 unit	113	0.548
Front-accessible connections							
3-pole		3VL9100-4PC30		1	1 unit	113	2.291
3-pole with RCD module		3VL9100-4PD30		1	1 unit	113	2.624
4-pole		3VL9100-4PC40		1	1 unit	113	2.942
4-pole with RCD module		3VL9100-4PD40		1	1 unit	113	3.502
Withdrawable version assembly kits Upgrade of the plug-in base assembly kit to							
Withdrawable version	3-pole	--					
including side panels	3-pole with RCD	--					
and racking	4-pole	--					
mechanism	4-pole with RCD	--					
Withdrawable versions Same as plug-in base assembly kit, with additional side panels and racking mechanism							
Rear terminals							
3-pole		--					
3-pole with RCD module		--					
4-pole		--					
4-pole with RCD module		--					
Front-accessible connections							
3-pole		--					
3-pole with RCD module		--					
4-pole		--					
4-pole with RCD module		--					
Blade contacts As replacement for converting fixed-mounted circuit breakers into plug-in/withdrawable circuit breakers, including trip pin							
1 set = 6 units	3-pole	3VL9100-4PS30		1	1 unit	113	0.312
1 set = 8 units	4-pole	3VL9100-4PS40		1	1 unit	113	0.396
Trip pins and springs As replacement for plug-in/withdrawable circuit breaker							
		3VL9100-4PF00		1	1 unit	113	0.012
Auxiliary circuit plug connections for plug-in bases Accessory connections for plug-in circuit breakers (factory-wired connectors) and for plug-in bases or withdrawable version (coupling with screw terminal)							
8 terminals		3VL9300-4PJ00		1	1 unit	113	0.197
Position signaling switches (Connected/disconnected position) For plug-in/withdrawable base, 1 changeover contact, max. 2 signaling switches possible							
		3VL9000-4WL00		1	1 unit	113	0.039



3VL9.00-4PA30



3VL9.00-4WA30



3VL9.00-4WA30

¹⁾ It is recommended to use a maximum of 2 auxiliary circuit plug-in systems per circuit breaker (16 terminals).

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts

DT	For VL160 (3VL2)	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg	DT	For VL250 (3VL3)	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg
	3VL9200-4PA30		1	1 unit	113	2.504		3VL9300-4PA30		1	1 unit	113	2.606
	3VL9200-4PB30		1	1 unit	113	2.991		3VL9300-4PB30		1	1 unit	113	3.120
	3VL9200-4PA40		1	1 unit	113	3.120		3VL9300-4PA40		1	1 unit	113	3.409
	3VL9200-4PB40		1	1 unit	113	3.614		3VL9300-4PB40		1	1 unit	113	3.762
	3VL9300-4PE30		1	1 unit	113	0.452		3VL9300-4PE30		1	1 unit	113	0.452
	3VL9300-4PE40		1	1 unit	113	0.548		3VL9300-4PE40		1	1 unit	113	0.548
	3VL9200-4PC30		1	1 unit	113	2.254		3VL9300-4PC30		1	1 unit	113	2.400
	3VL9200-4PD30		1	1 unit	113	2.368		3VL9300-4PD30		1	1 unit	113	2.668
	3VL9200-4PC40		1	1 unit	113	2.920		3VL9300-4PC40		1	1 unit	113	3.010
	3VL9200-4PD40		1	1 unit	113	3.395		3VL9300-4PD40		1	1 unit	113	3.500
	3VL9300-4WF30		1	1 unit	113	2.360		3VL9300-4WF30		1	1 unit	113	2.360
	3VL9300-4WG30		1	1 unit	113	2.740		3VL9300-4WG30		1	1 unit	113	2.740
	3VL9300-4WF40		1	1 unit	113	2.740		3VL9300-4WF40		1	1 unit	113	2.740
	3VL9300-4WG40		1	1 unit	113	3.551		3VL9300-4WG40		1	1 unit	113	3.551
	3VL9200-4WA30		1	1 unit	113	4.940		3VL9300-4WA30		1	1 unit	113	5.192
	3VL9200-4WB30		1	1 unit	113	6.301		3VL9300-4WB30		1	1 unit	113	9.800
	3VL9200-4WA40		1	1 unit	113	5.662		3VL9300-4WA40		1	1 unit	113	5.932
	3VL9200-4WB40		1	1 unit	113	6.919		3VL9300-4WB40		1	1 unit	113	6.935
	3VL9200-4WC30		1	1 unit	113	4.987		3VL9300-4WC30		1	1 unit	113	5.100
	3VL9200-4WD30		1	1 unit	113	6.045		3VL9300-4WD30		1	1 unit	113	6.249
	3VL9200-4WC40		1	1 unit	113	5.560		3VL9300-4WC40		1	1 unit	113	5.560
	3VL9200-4WD40		1	1 unit	113	6.732		3VL9300-4WD40		1	1 unit	113	6.895
	3VL9200-4PS30		1	1 unit	113	0.318		3VL9300-4PS30		1	1 unit	113	0.424
	3VL9200-4PS40		1	1 unit	113	0.389		3VL9300-4PS40		1	1 unit	113	0.535
	3VL9300-4PF00		1	1 unit	113	0.006		3VL9300-4PF00		1	1 unit	113	0.006
	1) 3VL9300-4PJ00		1	1 unit	113	0.197		1) 3VL9300-4PJ00		1	1 unit	113	0.197
	3VL9000-4WL00		1	1 unit	113	0.039		3VL9000-4WL00		1	1 unit	113	0.039

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts

2

Version	DT	For VL400 (3VL4) Article No. www.siemens.com/ product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Plug-in versions/withdrawable versions							
3- or 4-pole							
Plug-in base assembly kits Base, blade contacts for circuit breakers, terminal covers for degree of protection IP20, fixing screws, trip pin							
Rear terminals							
3-pole		3VL9400-4PA30		1	1 unit	113	6.520
3-pole with RCD module		3VL9400-4PA40		1	1 unit	113	8.380
4-pole		3VL9400-4PB40		1	1 unit	113	9.857
4-pole with RCD module							
90° angle connecting adapters							
For rear connection, 3-pole		--					
For rear connection, 4-pole		--					
Front-accessible connections							
3-pole		3VL9400-4PC30		1	1 unit	113	6.190
3-pole with RCD module		3VL9400-4PC40		1	1 unit	113	7.690
4-pole		3VL9400-4PD40		1	1 unit	113	9.298
4-pole with RCD module							
Withdrawable version assembly kits Upgrade of the plug-in base assembly kit to							
Withdrawable version including side panels and racking mechanism		3-pole 3VL9400-4WF30		1	1 unit	113	4.822
		3-pole with RCD 3VL9400-4WF40		1	1 unit	113	4.880
		4-pole 3VL9400-4WG40		1	1 unit	113	6.523
		4-pole with RCD					
Withdrawable versions Same as plug-in base assembly kit, with additional side panels and racking mechanism							
Rear terminals³⁾							
3-pole		3VL9400-4WA30		1	1 unit	113	12.650
3-pole with RCD module		3VL9400-4WA40		1	1 unit	113	14.582
4-pole		3VL9400-4WB40		1	1 unit	113	28.300
4-pole with RCD module							
Front-accessible connections							
3-pole		3VL9400-4WC30		1	1 unit	113	12.240
3-pole with RCD module		3VL9400-4WC40		1	1 unit	113	14.240
4-pole		3VL9400-4WD40		1	1 unit	113	18.219
4-pole with RCD module							
Blade contacts As replacement for converting fixed-mounted circuit breakers into plug-in/withdrawable circuit breakers, including trip pin							
1 set = 6 units		3-pole 3VL9400-4PS30		1	1 unit	113	1.292
1 set = 8 units		4-pole 3VL9400-4PS40		1	1 unit	113	1.623
Trip pins and springs As replacement for plug-in/withdrawable circuit breaker							
		3VL9400-4PF00		1	1 unit	113	0.013
Auxiliary circuit plug connections for plug-in bases Accessory connections for plug-in circuit breakers (factory-wired connectors) and for plug-in bases or withdrawable version (coupling with screw terminal)							
8 terminals		3VL9400-4PJ00		1	1 unit	113	0.215
		3VL9000-4WL00		1	1 unit	113	0.039
Position signaling switches (Connected/disconnected position) For plug-in/withdrawable base, 1 changeover contact, max. 2 signaling switches possible							



3VL9.00-4PA30



3VL9.00-4WA30



3VL9000-4WL00

1) For 3-pole applications please use 4-pole withdrawable version with 4-pole RCD module and 4-pole circuit breaker.

2) It is recommended to use a maximum of 3 auxiliary circuit plug-in systems per circuit breaker (24 terminals).

3) With VL800 (3VL6) to VL1600 (3VL8) as vertical connection.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts

DT	For VL630 (3VL5)	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg	DT	For VL800 (3VL6)	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg
	3VL9500-4PA30		1	1 unit	113	9.186		--					
	3VL9500-4PA40		1	1 unit	113	12.424		--					
	--							--					
	--							--					
	3VL9500-4PC30		1	1 unit	113	8.025		--					
	3VL9500-4PC40		1	1 unit	113	10.720		--					
	--							--					
	3VL9500-4WF30		1	1 unit	113	5.200		--					
	3VL9500-4WF40		1	1 unit	113	4.740		--					
	--							--					
	3VL9500-4WA30		1	1 unit	113	15.360		3VL9600-4WA30		1	1 unit	113	43.880
	3VL9500-4WA40		1	1 unit	113	18.760		3VL9600-4WA40		1	1 unit	113	43.800
	--							--					
	3VL9500-4WC30		1	1 unit	113	14.180		3VL9600-4WC30		1	1 unit	113	44.460
	3VL9500-4WC40		1	1 unit	113	16.945		3VL9600-4WC40		1	1 unit	113	43.213
	--							--					
	3VL9500-4PS30		1	1 unit	113	1.603		3VL9600-4PS30		1	1 unit	113	3.744
	3VL9500-4PS40		1	1 unit	113	2.101		3VL9600-4PS40		1	1 unit	113	4.965
	3VL9500-4PF00		1	1 unit	113	0.009		3VL9600-4PF00		1	1 unit	113	0.010
	2)							2)					
	3VL9600-4PJ00		1	1 unit	113	0.250		3VL9600-4PJ00		1	1 unit	113	0.250
	3VL9000-4WL00		1	1 unit	113	0.039		3VL9000-4WL00		1	1 unit	113	0.039

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts

2

Version	DT	For VL1250 (3VL7) Article No. www.siemens.com/ product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Plug-in versions/withdrawable versions							
3- or 4-pole							
Plug-in base assembly kits Base, blade contacts for circuit breakers, terminal covers for degree of protection IP20, fixing screws, trip pin							
Rear terminals							
	3-pole	--					
	3-pole with RCD module	--					
	4-pole	--					
	4-pole with RCD module	--					
90° angle connecting adapters							
	For rear connection, 3-pole	--					
	For rear connection, 4-pole	--					
Front-accessible connections							
	3-pole	--					
	3-pole with RCD module	--					
	4-pole	--					
	4-pole with RCD module	--					
Withdrawable version assembly kits Upgrade of the plug-in base assembly kit to							
	Withdrawable version including side panels and racking mechanism.	3-pole 3-pole with RCD 4-pole 4-pole with RCD	-- -- -- --				
Withdrawable versions Same as plug-in base assembly kit, with additional side panels and racking mechanism							
Rear terminals¹⁾							
	3-pole	3VL9800-4WA30		1	1 unit	113	43.420
	3-pole with RCD module	--					
	4-pole	3VL9800-4WA40		1	1 unit	113	52.320
	4-pole with RCD module	--					
Front-accessible connections							
	3-pole	3VL9800-4WC30		1	1 unit	113	45.000
	3-pole with RCD module	--					
	4-pole	3VL9800-4WC40		1	1 unit	113	53.000
	4-pole with RCD module	--					
Blade contacts As replacement for converting fixed-mounted circuit breakers into plug-in/withdrawable circuit breakers, including trip pin							
	1 set = 6 units	3-pole	3VL9800-4PS30	1	1 unit	113	3.510
	1 set = 8 units	4-pole	3VL9800-4PS40	1	1 unit	113	4.595
Trip pins and springs As replacement for plug-in/withdrawable circuit breaker							
			3VL9800-4PF00	1	1 unit	113	0.017
Auxiliary circuit plug connections for plug-in bases Accessory connections for plug-in circuit breakers (factory-wired connectors) and for plug-in bases or withdrawable version (coupling with screw terminal)							
	8 terminals		3VL9800-4PJ00	1	1 unit	113	0.217
Position signaling switches (Connected/disconnected position) For plug-in/withdrawable base, 1 changeover contact, max. 2 signaling switches possible							
			3VL9000-4WL00	1	1 unit	113	0.039

3VL9000-4WL00

¹⁾ With VL800 (3VL6) to VL1600 (3VL8) as vertical connection.

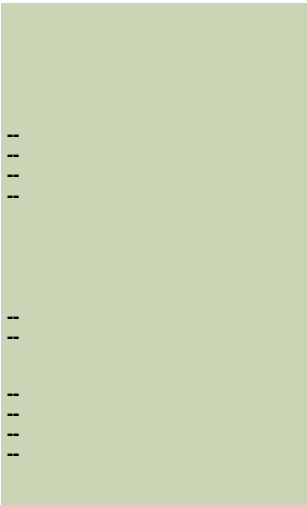
²⁾ It is recommended to use a maximum of 3 auxiliary circuit plug-in systems per circuit breaker (24 terminals).

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts

DT	For VL1600 (3VL8)	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
	Article No. www.siemens.com/ product?Article No.					



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3VL9800-4WA30	1	1 unit	113	43.420
3VL9800-4WA40	1	1 unit	113	52.320
3VL9800-4WC30	1	1 unit	113	45.000
3VL9800-4WC40	1	1 unit	113	53.000

3VL9800-4PS30	1	1 unit	113	3.510
3VL9800-4PS40	1	1 unit	113	4.595

3VL9800-4PF00	1	1 unit	113	0.017
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2) 3VL9800-4PJ00	1	1 unit	113	0.217
3VL9000-4WL00	1	1 unit	113	0.039

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts

2

Circuit breakers for system protection, only for TM, starters, disconnectors	Rated current I_n	Residual currents I_{Δ} adjustable	Delay time t_d adjustable	Rated operational voltage U_e	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
	A	A	s	V AC							kg

RCD modules



Molded case circuit breakers VL160X to VL400 with RCD module mounted below the circuit breaker

3-pole											
VL160X (3VL1)		0.03	Instantaneous								
Bottom mounting ¹⁾²⁾	160	0.10	0.06	127 ... 480	3VL9112-5GA30			1	1 unit	113	1.500
VL160 (3VL2)	160	0.30	0.10	127 ... 480	3VL9216-5GC30			1	1 unit	113	1.438
		0.50	0.25	230 ... 690	3VL9216-5GD30			1	1 unit	113	1.427
VL250 (3VL3)	250	1.00	0.50	127 ... 480	3VL9325-5GE30			1	1 unit	113	1.478
		3.00	1.00	230 ... 690	3VL9325-5GF30			1	1 unit	113	1.487
VL400 (3VL4)	400			127 ... 480	--						
				230 ... 690	--						
4-pole											
VL160X (3VL1)		0.03	Instantaneous								
Bottom mounting ¹⁾²⁾	160	0.10	0.06	127 ... 480	3VL9112-5GA40			1	1 unit	113	1.849
VL160 (3VL2)	160	0.30	0.10	127 ... 480	3VL9216-5GC40			1	1 unit	113	1.743
		0.50	0.25	230 ... 690	3VL9216-5GD40			1	1 unit	113	1.700
VL250 (3VL3)	250	1.00	0.50	127 ... 480	3VL9325-5GE40			1	1 unit	113	1.806
		3.00	1.00	230 ... 690	3VL9325-5GF40			1	1 unit	113	1.810
VL400 (3VL4)	400			127 ... 480	3VL9440-5GG40			1	1 unit	113	3.327
				230 ... 690	3VL9440-5GH40			1	1 unit	113	3.325

Circuit breakers for system protection, only for TM, starters, disconnectors	Rated current I_n	Residual currents I_{Δ} adjustable	Delay time t_d adjustable	Rated operational voltage U_e	3-pole circuit breakers	Additional price	4-pole circuit breakers	Additional price
	A	A	s	V AC	Article No. with "-Z" 3VL.....D.....-Z and additional order code		Article No. with "-Z" 3VL.....E.....-Z and additional order code	
					<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Code for further versions -Z		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Code for further versions -Z	

Circuit breakers with RCD module



2- and 3-pole									
VL160X (3VL1)		0.03	Instantaneous						
(Bottom mounting)	160	0.10	0.06	127 ... 480	A 0 1 ¹⁾²⁾		✓ A 0 1 ¹⁾²⁾		✓
		0.30	0.10						
		0.50	0.25						
VL160 (3VL2)	160	1.00	0.50	127 ... 480	A 0 1		✓ A 0 1		✓
		3.00	1.00	230 ... 690	A 0 2		✓ A 0 2		✓
VL250 (3VL3)	250			127 ... 480	A 0 1		✓ A 0 1		✓
				230 ... 690	A 0 2		✓ A 0 2		✓
VL400 (3VL4)	400			127 ... 480	--		A 0 1		✓
				230 ... 690	--		A 0 2		✓

Residual current devices (MRCD)












Modular residual current devices (MRCD) monitor residual currents in electrical systems and trip the molded case circuit breaker via an auxiliary release after an adjustable advance warning if the residual current exceeds a defined value.

See chapter "Monitoring Devices".

✓ Additional price

¹⁾ Only the right-hand accessory compartment and the N conductor (4-pole) accessory compartment can be used for the installation of accessories, see Technical Information at www.siemens.com/lowvoltage/product-support.

²⁾ VL160X (3VL1) + RCD module cannot be combined with motorized operating mechanism, front operating mechanism, door-coupling rotary operating mechanism, locking device for toggle levers, screw terminal connections (3VL17.....6-....) and Bowden wire interlocking.

Version	DT	For VL160X (3VL1) Article No. www.siemens.com/ product?Article.No.	Price per PU	PU (UNIT, SET, M)	PS* P. unit	PG	Weight per PU approx. kg
Connection parts for fixed-mounted circuit breakers							
3- or 4-pole							
Front connecting bars¹⁾							
Phase barriers included.							
Standard							
	1 set = 3 units	3-pole	3VL9216-4EC30	1	1 unit	113	0.212
	1 set = 4 units	4-pole	3VL9216-4EC40	1	1 unit	113	0.287
For increased pole spacing							
	1 set = 3 units	3-pole	3VL9216-4ED30	1	1 unit	113	0.224
	1 set = 4 units	4-pole	3VL9216-4ED40	1	1 unit	113	0.348
Rear terminals							
Short connection (1 unit)							
			3VL9100-4RA00	1	1 unit	113	0.163
			3VL9100-4RB00	1	1 unit	113	0.260
Terminal kit (2 short + 1 long)							
		3-pole	3VL9100-4RC30	1	1 unit	113	0.556
Terminal kit (2 short + 2 long)							
		4-pole	3VL9100-4RF40	1	1 unit	113	0.805
Short flat connection (1 unit)							
			3VL9100-4RK00	1	1 unit	113	0.104
			3VL9100-4RL00	1	1 unit	113	0.222
Long flat connection (1 unit)							
			3VL9100-4RM30	1	1 unit	113	0.408
Flat connector kit (2 short + 1 long)							
		3-pole	3VL9100-4RM30	1	1 unit	113	0.408
Flat connector kit (2 short + 2 long)							
		4-pole	3VL9100-4RN40	1	1 unit	113	0.652
Box terminals							
For connection for flexible flat copper busbar or cable, see Technical Information at www.siemens.com/lowvoltage/product-support .							
	1 set = 3 units		3VL9100-4TC30	1	1 unit	113	0.109
	1 set = 4 units		3VL9100-4TC40	1	1 unit	113	0.132
Circular conductor terminals							
Only for cables (Al or Cu)							
Aluminum terminal (tinned)							
	1 set = 3 units		3VL9100-4TD30	1	1 unit	113	0.104
	1 set = 4 units		3VL9100-4TD40	1	1 unit	113	0.121
Circular conductor terminal with terminal covers for cable (Al or Cu)							
	1 set = 3 units		3VL9115-4TD30	1	1 unit	113	0.337
	1 set = 4 units		3VL9115-4TD40	1	1 unit	113	0.429
Auxiliary conductor terminals							
For box terminals/circular conductor terminals							
	1 set = 10 units		3VL9200-3TN00	1	1 unit	113	0.125
Terminals with screw connection - metric thread							
With insulator (for rear) for use with busbars and cable lugs, see Technical Information at www.siemens.com/lowvoltage/product-support .							
	1 set = 3 units		3VL9116-4TA30	1	1 unit	113	0.067
	1 set = 4 units		3VL9116-4TA40	1	1 unit	113	0.084
Connection covers (terminal covers) for circuit breakers							
Degree of protection IP30 for main connections							
	1 set = 2 units						
3VL9.00-3CB.0							
	Extended	3-pole	3VL9300-8CA30	1	1 unit	113	0.292
	Standard	3-pole	3VL9300-8CB30	1	1 unit	113	0.065
	Extended	4-pole	3VL9300-8CA40	1	1 unit	113	0.364
	Standard	4-pole	3VL9300-8CB40	1	1 unit	113	0.082
Phase barriers for circuit breakers, fixed-mounted, plug-in or withdrawable versions							
	1 set = 2 units		3VL9300-8CE00	1	1 unit	113	0.035
3VL9.00-8CE00							











¹⁾ Screw terminal connections are required for VL160X and VL160 molded case circuit breakers (3VL1 and 3VL2), see Technical Information at www.siemens.com/lowvoltage/product-support.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts

2

Version	DT	For VL160 (3VL2) Article No. www.siemens.com/ product?Article.No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Connection parts for fixed-mounted circuit breakers²⁾							
3- or 4-pole							
Front connecting bars¹⁾							
Phase barriers included.							
Standard							
	1 set = 3 units	3-pole	3VL9216-4EC30	1	1 unit	113	0.212
	1 set = 4 units	4-pole	3VL9216-4EC40	1	1 unit	113	0.287
For increased pole spacing							
	1 set = 3 units	3-pole	3VL9216-4ED30	1	1 unit	113	0.224
	1 set = 4 units	4-pole	3VL9216-4ED40	1	1 unit	113	0.348
Rear terminals							
Short connection (1 unit)							
Long connection (1 unit)							
			3VL9200-4RA00	1	1 unit	113	0.161
			3VL9200-4RB00	1	1 unit	113	0.264
		Terminal kit (2 short + 1 long) 3-pole	3VL9200-4RC30	1	1 unit	113	0.565
		Terminal kit (2 short + 2 long) 4-pole	3VL9200-4RF40	1	1 unit	113	0.817
		Short flat connection (1 unit)	3VL9200-4RK00	1	1 unit	113	0.131
		Long flat connection (1 unit)	3VL9200-4RL00	1	1 unit	113	0.227
			3VL9200-4RM30	1	1 unit	113	0.455
			3VL9200-4RN40	1	1 unit	113	0.656
Box terminals							
Connection for flexible flat copper busbar or cable, see Technical Information at www.siemens.com/lowvoltage/product-support .							
	1 set = 3 units		3VL9200-4TC30	1	1 unit	113	0.122
	1 set = 4 units		3VL9200-4TC40	1	1 unit	113	0.156
Circular conductor terminals							
Only for cables (Al or Cu)							
Aluminum terminal (tinned)							
	1 set = 3 units		3VL9200-4TD30	1	1 unit	113	0.124
	1 set = 4 units		3VL9200-4TD40	1	1 unit	113	0.157
Circular conductor terminal with terminal covers for cable (Al or Cu)							
		1 set = 3 units	3VL9215-4TD30	1	1 unit	113	0.360
		1 set = 4 units	3VL9215-4TD40	1	1 unit	113	0.455
Multiple feed-in terminal without terminal covers							
		3 units (2 × 50 ... 120)	--				
		4 units (2 × 50 ... 120)	--				
							
Multiple feed-in terminal with terminal covers							
		3 units (2 × 70 ... 300)	--				
		4 units (2 × 70 ... 300)	--				
Auxiliary conductor terminals							
For box terminals/circular conductor terminals/multiple feed-in terminals							
		1 set = 10 units	3VL9200-3TN00	1	1 unit	113	0.125
Terminals with screw connection - metric thread							
With insulator (for rear) for use with busbars and cable lugs, see Technical Information at www.siemens.com/lowvoltage/product-support .							
	1 set = 3 units		3VL9216-4TA30	1	1 unit	113	0.087
	1 set = 4 units		3VL9216-4TA40	1	1 unit	113	0.108
Connection covers (terminal covers) for circuit breakers							
Degree of protection IP30 for main connections							
							
3VL9.00-3CB.0	1 set = 2 units						
		Extended	3VL9300-8CA30	1	1 unit	113	0.292
		Standard	3VL9300-8CB30	1	1 unit	113	0.065
		Extended	3VL9300-8CA40	1	1 unit	113	0.364
		Standard	3VL9300-8CB40	1	1 unit	113	0.082
Phase barriers for circuit breakers, fixed-mounted, plug-in or withdrawable versions							
							
3VL9.00-3CB.0	1 set = 2 units		3VL9300-8CE00	1	1 unit	113	0.035

¹⁾ Screw terminal connections are required for VL160X and VL160 molded case circuit breakers (3VL1 and 3VL2), see Technical Information at www.siemens.com/lowvoltage/product-support.

²⁾ Summary of conductor cross-section, see page 2/11.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts









DT	For VL250 (3VL3)	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg	DT	For VL400 (3VL4)	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg
	Article No. www.siemens.com/ product?Article.No.							Article No. www.siemens.com/ product?Article.No.					
	3VL9300-4EC30		1	1 unit	113	0.269		3VL9400-4EC30		1	1 unit	113	0.918
	3VL9300-4EC40		1	1 unit	113	0.346		3VL9400-4EC40		1	1 unit	113	1.256
	3VL9300-4ED30		1	1 unit	113	0.256		3VL9400-4ED30		1	1 unit	113	0.896
	3VL9300-4ED40		1	1 unit	113	0.425		3VL9400-4ED40		1	1 unit	113	1.476
	3VL9300-4RA00		1	1 unit	113	0.161		3VL9400-4RA00		1	1 unit	113	0.268
	3VL9300-4RB00		1	1 unit	113	0.265		3VL9400-4RB00		1	1 unit	113	0.433
	3VL9300-4RC30		1	1 unit	113	0.562		3VL9400-4RC30		1	1 unit	113	0.930
	3VL9300-4RF40		1	1 unit	113	0.850		3VL9400-4RF40		1	1 unit	113	1.337
	3VL9300-4RK00		1	1 unit	113	0.126		3VL9400-4RK00		1	1 unit	113	0.380
	3VL9300-4RL00		1	1 unit	113	0.228		3VL9400-4RL00		1	1 unit	113	0.585
	3VL9300-4RM30		1	1 unit	113	0.447		3VL9400-4RM30		1	1 unit	113	1.305
	3VL9300-4RN40		1	1 unit	113	0.660		3VL9400-4RN40		1	1 unit	113	1.783
	3VL9300-4TC30		1	1 unit	113	0.205		3VL9400-4TC30		1	1 unit	113	0.488
	3VL9300-4TC40		1	1 unit	113	0.278		3VL9400-4TC40		1	1 unit	113	0.617
	3VL9300-4TD30		1	1 unit	113	0.168		3VL9400-4TD30		1	1 unit	113	0.293
	3VL9300-4TD40		1	1 unit	113	0.231		3VL9400-4TD40		1	1 unit	113	0.391
	3VL9324-4TD30		1	1 unit	113	0.487		--					
	3VL9324-4TD40		1	1 unit	113	0.676		--					
	--							3VL9400-4TF30		1	1 unit	113	0.452
	--							3VL9400-4TF40		1	1 unit	113	0.575
	--							3VL9460-4TF30		1	1 unit	113	0.892
	--							3VL9460-4TF40		1	1 unit	113	1.141
	3VL9300-3TN00		1	1 unit	113	0.133		3VL9400-3TN00		1	1 unit	113	0.140
	3VL9300-4TA30		1	1 unit	113	0.114		3VL9400-4TA30		1	1 unit	113	0.125
	3VL9300-4TA40		1	1 unit	113	0.144		3VL9400-4TA40		1	1 unit	113	0.161
	3VL9300-8CA30		1	1 unit	113	0.292		3VL9400-8CA30		1	1 unit	113	0.625
	3VL9300-8CB30		1	1 unit	113	0.065		3VL9400-8CB30		1	1 unit	113	0.139
	3VL9300-8CA40		1	1 unit	113	0.364		3VL9400-8CA40		1	1 unit	113	0.705
	3VL9300-8CB40		1	1 unit	113	0.082		3VL9400-8CB40		1	1 unit	113	0.174
	3VL9300-8CE00		1	1 unit	113	0.035		3VL9600-8CE00		1	1 unit	113	0.057

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts

2

Version	DT	For VL630 (3VL5) Article No. www.siemens.com/ product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg	
Connection parts for fixed-mounted circuit breakers²⁾								
3- or 4-pole								
Front connecting bars								
Phase barriers included.								
Standard								
	1 set = 3 units	3-pole		3VL9500-4EC30	1	1 unit	113	1.160
	1 set = 4 units	4-pole		3VL9500-4EC40	1	1 unit	113	1.522
For increased pole spacing								
	1 set = 3 units	3-pole		3VL9500-4ED30	1	1 unit	113	1.172
	1 set = 4 units	4-pole		3VL9500-4ED40	1	1 unit	113	1.545
Flat connecting bar (1 unit)								
	Flat connecting bars			3VL9500-4RG00	1	1 unit	113	0.459
	Set = 3 units, 3-pole			3VL9500-4RH30	1	1 unit	113	1.174
	Flat connecting bars			3VL9500-4RH40	1	1 unit	113	1.519
	Set = 4 units, 4-pole							
Multiple feed-in terminals								
Only for cables (Al or Cu)								
Aluminum terminal (tinned)								
	1 set = 3 units			3VL9500-4TG30	1	1 unit	113	0.557
	1 set = 4 units			3VL9500-4TG40	1	1 unit	113	0.697
Auxiliary conductor terminals								
For multiple feed-in terminals								
	1 set = 10 units			3VL9400-3TN00	1	1 unit	113	0.140
Terminal plates¹⁾								
Connection for flexible flat copper busbar with								
auxiliary conductor connection 0.5 – 4 mm ²								
(extended terminal covers or phase barriers								
required)								
	1 set = 3 units			3VL9500-4TT30	1	1 unit	113	1.432
	1 set = 4 units			3VL9500-4TT40	1	1 unit	113	1.893
Terminals with screw connection - metric thread								
With insulator (for rear) for use with busbars and								
cable lugs, see Technical Information at								
www.siemens.com/lowvoltage/product-support .								
	1 set = 3 units			3VL9500-4TA30	1	1 unit	113	0.130
	1 set = 4 units			3VL9500-4TA40	1	1 unit	113	0.163
Connection covers (terminal covers) for circuit breakers								
Degree of protection IP30 for main connections								
1 set = 2 units								
	Extended	3-pole		3VL9600-8CA30	1	1 unit	113	0.930
	Standard	3-pole		3VL9600-8CB30	1	1 unit	113	0.219
	Extended	4-pole		3VL9600-8CA40	1	1 unit	113	1.062
	Standard	4-pole		3VL9600-8CB40	1	1 unit	113	0.287
Phase barriers for circuit breakers, fixed-mounted, plug-in or withdrawable versions²⁾								
	1 set = 2 units			3VL9600-8CE00	1	1 unit	113	0.057

¹⁾ Front connecting bars included in scope of supply; not for 690 V AC/600 V DC.

²⁾ Summary of conductor cross-section, see page 2/11.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts

DT	For VL800 (3VL6) Article No. www.siemens.com/ product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg	DT	For VL1250 (3VL7) Article No. www.siemens.com/ product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
	3VL9600-4EC30		1	1 unit	113	1.725		3VL9800-4EC30		1	1 unit	113	3.457
	3VL9600-4EC40		1	1 unit	113	2.301		3VL9800-4EC40		1	1 unit	113	4.385
	3VL9600-4ED30		1	1 unit	113	1.733		--					
	3VL9600-4ED40		1	1 unit	113	2.287		--					
	3VL9600-4RG00		1	1 unit	113	1.629		3VL9700-4RG00		1	1 unit	113	1.638
	3VL9600-4RH30		1	1 unit	113	4.770		3VL9700-4RH30		1	1 unit	113	4.960
	3VL9600-4RH40		1	1 unit	113	6.510		3VL9700-4RH40		1	1 unit	113	6.523
	3VL9600-4TG30		1	1 unit	113	1.032		3VL9700-4TG30		1	1 unit	113	2.207
	3VL9600-4TG40		1	1 unit	113	1.286		3VL9700-4TG40		1	1 unit	113	2.950
	3VL9400-3TN00		1	1 unit	113	0.140		3VL9400-3TN00		1	1 unit	113	0.140
	--							--					
	--							--					
	3VL9600-4TA30		1	1 unit	113	0.236		3VL9800-4TA30		1	1 unit	113	0.275
	3VL9600-4TA40		1	1 unit	113	0.330		3VL9800-4TA40		1	1 unit	113	0.363
	3VL9600-8CA30		1	1 unit	113	0.930		3VL9800-8CA30		1	1 unit	113	1.240
	3VL9600-8CB30		1	1 unit	113	0.219		3VL9800-8CB30		1	1 unit	113	0.363
	3VL9600-8CA40		1	1 unit	113	1.062		3VL9800-8CA40		1	1 unit	113	1.500
	3VL9600-8CB40		1	1 unit	113	0.287		3VL9800-8CB40		1	1 unit	113	0.528
	3VL9600-8CE00		1	1 unit	113	0.057		3VL9800-8CE00		1	1 unit	113	0.151







³⁾ Plug-in versions: Not for VL1250 (3VL7),
withdrawable version: Not for VL800 (3VL6) and VL1250 (3VL7).

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts

2

Version	DT	For VL1600 (3VL8) Article No. www.siemens.com/ product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Connection parts for fixed-mounted circuit breakers²⁾							
3- or 4-pole							
Front connecting bars Phase barriers included.							
Standard ¹⁾							
	1 set = 3 units	3-pole	3VL9800-4EC30	1	1 unit	113	3.457
	1 set = 4 units	4-pole	3VL9800-4EC40	1	1 unit	113	4.385
3VL9216-4EC40							
For increased pole spacing							
	1 set = 3 units	3-pole	--				
	1 set = 4 units	4-pole	--				
3VL9216-4ED40							
Rear terminals							
	Flat connecting bar (1 unit)		3VL9800-4RG00	1	1 unit	113	1.597
3VL9.00-4RG00	Flat connecting bars Set = 3 units, 3-pole		3VL9800-4RH30	1	1 unit	113	4.965
	Flat connecting bars Set = 4 units, 4-pole		3VL9800-4RH40	1	1 unit	113	6.105
Terminals with screw connection - metric thread							
With insulator (for rear) for use with busbars and cable lugs, see Technical Information at www.siemens.com/lowvoltage/product-support .							
	1 set = 3 units		3VL9800-4TA30	1	1 unit	113	0.275
	1 set = 4 units		3VL9800-4TA40	1	1 unit	113	0.363
3VL9.00-4TA.0							
Connection covers (terminal covers) for circuit breakers							
Degree of protection IP30 for main connections							
	1 set = 2 units						
3VL9.00-3CB.0	Extended	3-pole	3VL9800-8CA30	1	1 unit	113	1.240
	Standard	3-pole	3VL9800-8CB30	1	1 unit	113	0.363
	Extended	4-pole	3VL9800-8CA40	1	1 unit	113	1.500
	Standard	4-pole	3VL9800-8CB40	1	1 unit	113	0.528
Phase barriers for fixed-mounted circuit breakers							
	1 set = 2 units		3VL9800-8CE00	1	1 unit	113	0.151
3VL9.00-8CE00							

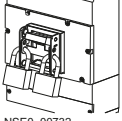
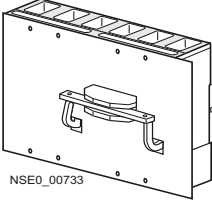
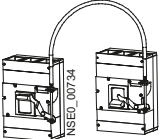
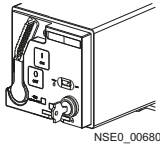
¹⁾ In scope of supply of circuit breaker.

²⁾ Summary of conductor cross-section, see page 2/11.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts

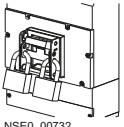
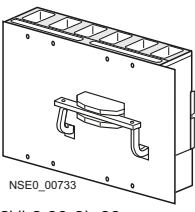
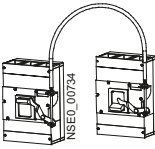
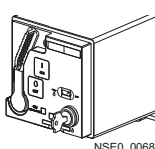
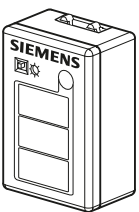
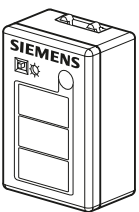
Version	DT	For VL160X (3VL1) Article No. www.siemens.com/ product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Interlocks							
3- or 4-pole							
Locking devices for toggle levers							
 NSE0_00732 3VL9.00-3HL00		For locking the circuit breaker in the "OFF" position. Up to 3 padlocks with Ø 5 – 8 mm can be used. Removable (padlocks not included)		1	1 unit	113	0.077
Rear interlocking modules							
For the mechanical interlocking of two adjacent circuit breakers. The circuit breakers must be of the same installation type and size. (Mounting plate not included in scope of supply)							
 NSE0_00733 3VL9.00-8L.00		Fixed-mounted circuit breakers		1	1 unit	113	0.312
		Plug-in/withdrawable circuit breakers		1	1 unit	113	0.383
Interlocking modules for Bowden wire interlocking¹⁾							
For the mechanical interlocking of two circuit breakers. Interlocking module for one circuit breaker							
 NSE0_00734 3VL9.00-8LA00		Combination with next size up possible (see Article No.)		1	1 unit	113	0.205
Bowden wires for Bowden wire interlocking ¹⁾							
		Wire length 0.5 m		1	1 unit	113	0.303
		Wire length 1.0 m		1	1 unit	113	0.444
		Wire length 1.5 m		1	1 unit	113	0.646
Safety lock assembly kits							
Key can be removed with the circuit breaker in the "OFF" position For front-operated rotary operating mechanisms							
Lock types							
 NSE0_00680 3VL9...-8HA00		Ronis		1	1 unit	113	0.266
		For motorized operating mechanism with stored energy mechanism					
		Lock types					
		Ronis					
		Filli Giussani		1	1 unit	113	0.039
Sets of fixing screws (metric thread)							
Including the screws, washers and nuts required to secure a 3- or 4-pole circuit breaker to a prepared surface							
		Set with 4 screws		1	1 unit	113	0.052
Transparent covers for releases, sealable							
To prevent access by unqualified personnel and unauthorized changes to settings (seal not included)							
		Electronic Trip Unit					
		Thermal-magnetic		1	1 unit	113	0.017

¹⁾ Two interlocking modules and one Bowden wire are required. Cannot be used in conjunction with motorized operating mechanism and withdrawable version!

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts

Version	DT	For VL160 (3VL2) Article No. www.siemens.com/ product?Article.No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Interlocks							
 <p>NSE0_00732</p>	3- or 4-pole Locking devices for toggle levers For locking the circuit breaker in the "OFF" position. Up to 3 padlocks with Ø 5 – 8 mm can be used. Removable Removable (padlocks not included)						
	3VL9.00-3HL00	3VL9300-3HL00		1	1 unit	113	0.077
 <p>NSE0_00733</p>	Rear interlocking modules For the mechanical interlocking of two adjacent circuit breakers. The circuit breakers must be of the same installation type and size. (Mounting plate not included in scope of supply) Fixed-mounted circuit breakers Plug-in/withdrawable circuit breakers						
	3VL9.00-8L.00	3VL9300-8LC00 3VL9300-8LD00		1 1	1 unit 1 unit	113 113	0.312 0.383
 <p>NSE0_00734</p>	Interlocking modules for Bowden wire interlocking¹⁾ For the mechanical interlocking of two circuit breakers. Interlocking module for one circuit breaker						
	3VL9.00-8LA00	3VL9300-8LA00	Combinations with next size up/down possible (see Article No.)	1	1 unit	113	0.205
	Bowden wires for Bowden wire interlocking ¹⁾ Wire length 0.5 m Wire length 1.0 m Wire length 1.5 m						
		3VL9000-8LH10		1	1 unit	113	0.303
		3VL9000-8LH20 3VL9000-8LH30		1 1	1 unit 1 unit	113 113	0.444 0.646
 <p>NSE0_00680</p>	Safety lock assembly kits Key can be removed with the circuit breaker in the "OFF" position For front-operated rotary operating mechanisms Lock types Ronis For motorized operating mechanism with stored energy mechanism Lock types Ronis Filli Giussani						
	3VL9...-8HA00	3VL9715-8HA00 3VL9321-8HA00		1 1	1 unit 1 unit	113 113	0.266 0.039
 <p>NSE0_01531a</p>	Sets of fixing screws (metric thread) Including the screws, washers and nuts required to secure a 3- or 4-pole circuit breaker to a prepared surface Set with 4 screws						
		3VL9300-8SA40		1	1 unit	113	0.052
	Transparent covers for releases, sealable To prevent access by unqualified personnel and unauthorized changes to settings (seal not included) Electronic Trip Unit Thermal-magnetic						
		3VL9700-8BL00 3VL9300-8BM00		1 1	1 unit 1 unit	113 113	0.009 0.017
3VL9000-8AP01	Battery power supply for activating/parameterizing the LCD ETUs, with test function for all IEC and UL ETUs (two 9 V blocks are required in addition)						
	3VL9000-8AP01			1	1 unit	113	0.212

¹⁾ Two interlocking modules and one Bowden wire are required. Cannot be used in conjunction with motorized operating mechanism and withdrawable version!

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

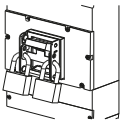
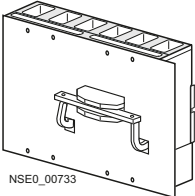
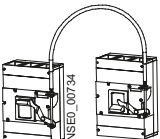
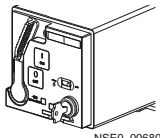
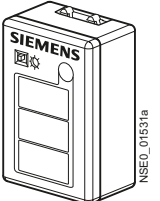
Accessories and spare parts

DT	For VL250 (3VL3)	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg	DT	For VL400 (3VL4)	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg
	Article No. www.siemens.com/ product?Article No.							Article No. www.siemens.com/ product?Article No.					
	3VL9300-3HL00		1	1 unit	113	0.077		3VL9400-3HL00		1	1 unit	113	0.134
	3VL9300-8LC00		1	1 unit	113	0.312		3VL9400-8LC00		1	1 unit	113	1.170
	3VL9300-8LD00		1	1 unit	113	0.383		3VL9400-8LD00		1	1 unit	113	1.280
	3VL9300-8LA00		1	1 unit	113	0.205		3VL9400-8LA00		1	1 unit	113	0.230
	3VL9000-8LH10		1	1 unit	113	0.303	--	3VL9000-8LH20		1	1 unit	113	0.444
	3VL9000-8LH20		1	1 unit	113	0.444	3VL9000-8LH30		1	1 unit	113	0.646	
	3VL9000-8LH30		1	1 unit	113	0.646							
	3VL9715-8HA00		1	1 unit	113	0.266		3VL9715-8HA00		1	1 unit	113	0.266
	--						3VL9715-8HA00		1	1 unit	113	0.266	
	3VL9321-8HA00		1	1 unit	113	0.039	--						
	3VL9300-8SA40		1	1 unit	113	0.052		3VL9500-8SA40		1	1 unit	113	0.109
	3VL9700-8BL00		1	1 unit	113	0.009		3VL9700-8BL00		1	1 unit	113	0.009
	3VL9300-8BM00		1	1 unit	113	0.017		3VL9400-8BM00		1	1 unit	113	0.028
	3VL9000-8AP01		1	1 unit	113	0.212		3VL9000-8AP01		1	1 unit	113	0.212

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts

Version	DT	For VL630 (3VL5) Article No. www.siemens.com/ product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg		
Interlocks									
3- or 4-pole									
Locking devices for toggle levers									
 <p>NSE0_00732 3VL9.00-3HL00</p>		For locking the circuit breaker in the "OFF" position. Up to 3 padlocks with Ø 5–8 mm can be used. Removable (padlocks not included)		3VL9600-3HL00		1	1 unit	113	0.163
Rear interlocking modules									
 <p>NSE0_00733 3VL9.00-8L.00</p>		For the mechanical interlocking of two adjacent circuit breakers. The circuit breakers must be of the same installation type and size. (Mounting plate not included in scope of supply) Fixed-mounted circuit breakers Plug-in/withdrawable circuit breakers		3VL9600-8LC00 3VL9600-8LD00		1	1 unit	113	4.356 5.413
Interlocking modules for Bowden wire interlocking¹⁾									
 <p>NSE0_00734 3VL9.00-8LA00</p>		For the mechanical interlocking of two circuit breakers. Interlocking module for one circuit breaker		Combinations with next size up/down possible (see Article No.) 3VL9600-8LA00		1	1 unit	113	0.333
Bowden wires for Bowden wire interlocking¹⁾									
		Wire length 0.5 m		--					
		Wire length 1.0 m		3VL9000-8LH20		1	1 unit	113	0.444
		Wire length 1.5 m		3VL9000-8LH30		1	1 unit	113	0.646
Safety lock assembly kits									
 <p>NSE0_00680 3VL9...-8HA00</p>		Key can be removed with the circuit breaker in the "OFF" position For front-operated rotary operating mechanisms Lock types Ronis		3VL9715-8HA00		1	1 unit	113	0.266
		For motorized operating mechanism with stored energy mechanism Lock types Ronis Filli Giussani		3VL9715-8HA00		1	1 unit	113	0.266
		Sets of fixing screws (metric thread) Including the screws, washers and nuts required to secure a 3- or 4-pole circuit breaker to a prepared surface Set with 4 screws		3VL9500-8SA40		1	1 unit	113	0.109
Transparent covers for releases, sealable									
		To prevent access by unqualified personnel and unauthorized changes to settings (seal not included) Electronic Trip Units		3VL9700-8BL00		1	1 unit	113	0.009
		Thermal-magnetic		3VL9600-8BM00		1	1 unit	113	0.031
 <p>NSE0_01531a 3VL9000-8AP01</p>		Battery power supply for activating/parameterizing the LCD ETUs, with test function for all IEC and UL ETUs (two 9 V blocks are required in addition)		3VL9000-8AP01		1	1 unit	113	0.212

¹⁾ Two interlocking modules and one Bowden wire are required.
Cannot be used in conjunction with motorized operating mechanism and withdrawable version!

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

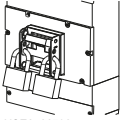
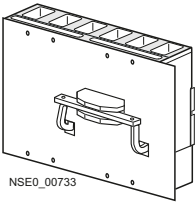
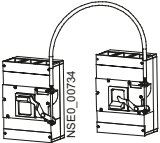
Accessories and spare parts

DT	For VL800 (3VL6)	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg	DT	For VL1250 (3VL7)	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg
	Article No. www.siemens.com/ product?Article No.							Article No. www.siemens.com/ product?Article No.					
	3VL9600-3HL00		1	1 unit	113	0.163		3VL9800-3HL00		1	1 unit	113	0.260
	3VL9600-8LC00		1	1 unit	113	4.356		3VL9800-8LC00		1	1 unit	113	2.738
	3VL9600-8LD00		1	1 unit	113	5.413		3VL9800-8LD00		1	1 unit	113	3.402
	3VL9600-8LA00		1	1 unit	113	0.333		3VL9800-8LA00		1	1 unit	113	0.305
	--							--					
	3VL9000-8LH20		1	1 unit	113	0.444		--					
	3VL9000-8LH30		1	1 unit	113	0.646		3VL9000-8LH30		1	1 unit	113	0.646
	3VL9715-8HA00		1	1 unit	113	0.266		3VL9715-8HA00		1	1 unit	113	0.266
	3VL9715-8HA00		1	1 unit	113	0.266		3VL9715-8HA00		1	1 unit	113	0.266
	--							--					
	3VL9600-8SA40		1	1 unit	113	0.118		3VL9800-8SA40		1	1 unit	113	0.116
	3VL9700-8BL00		1	1 unit	113	0.009		3VL9700-8BL00		1	1 unit	113	0.009
	--							--					
	3VL9000-8AP01		1	1 unit	113	0.212		3VL9000-8AP01		1	1 unit	113	0.212

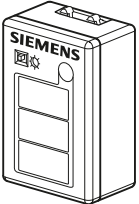
Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts

Version	DT	For VL1600 (3VL8) Article No. www.siemens.com/ product?Article.No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Interlocks							
3- or 4-pole							
Locking devices for toggle levers							
For locking the circuit breaker in the "OFF" position. Up to 3 padlocks with Ø 5 – 8 mm can be used. Removable (padlocks not included)							
 NSE0_00732 3VL9.00-3HL00		3VL9800-3HL00		1	1 unit	113	0.260
Rear interlocking modules							
For the mechanical interlocking of two adjacent circuit breakers. The circuit breakers must be of the same installation type and size. Circuit breakers, fixed-mounted ¹⁾ Plug-in/withdrawable circuit breakers							
 NSE0_00733 3VL9.00-8L.00		3VL9800-8LC00 3VL9800-8LD00		1 1	1 unit 1 unit	113 113	2.738 3.402
Interlocking modules for Bowden wire interlocking²⁾							
For the mechanical interlocking of two circuit breakers. Interlocking module for one circuit breaker							
 NSE0_00734 3VL9.00-8LA00		3VL9800-8LA00		1	1 unit	113	0.305
Bowden wires for Bowden wire interlocking ²⁾							
Wire length 0.5 m							
Wire length 1.0 m							
Wire length 1.5 m							
		3VL9000-8LH30		1	1 unit	113	0.646
Safety lock assembly kits							
Key can be removed with the circuit breaker in the "OFF" position For front-operated rotary operating mechanisms							
Lock types							
Ronis							
3VL9715-8HA00							
For motorized operating mechanisms							
Lock types							
Ronis							
3VL9715-8HA00							
Filli Giussani							

Sets of fixing screws (metric thread)							
Including the screws, washers and nuts required to secure a 3- or 4-pole circuit breaker to a prepared surface							
Set with 4 screws							
3VL9800-8SA40							
Transparent covers for releases, sealable							
To prevent access by unqualified personnel and unauthorized changes to settings (seal not included)							
Electronic Trip Unit							
3VL9700-8BL00							
Thermal-magnetic							

Battery power supply for activating/parameterizing the LCD ETUs, with test function for all IEC and UL ETUs (two 9 V blocks are required in addition)							
 NSE0_01631a 3VL9000-8AP01		3VL9000-8AP01		1	1 unit	113	0.212

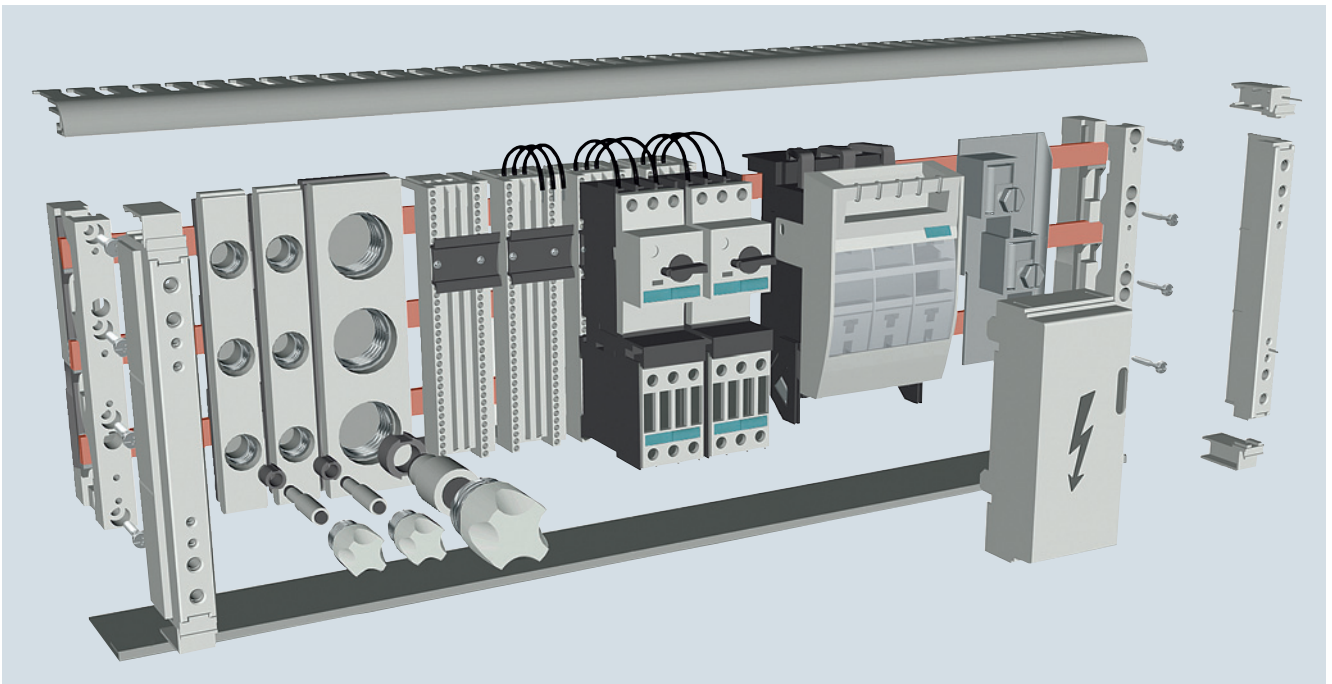
¹⁾ Mounting plate not included in scope of supply.

²⁾ Two interlocking modules and one Bowden wire are required.
Cannot be used in conjunction with motorized operating mechanism and withdrawable version!

Transfer control devices

3KC ATC5300 transfer control devices

See chapter "Monitoring Devices".

Busbar systems

Busbar adapter systems with 40 mm or 60 mm busbar center-to-center spacing with components for busbar runs, adapters and switching device holders for individual equipment possibilities, devices with an integrated adapter, as well as accessories and flat copper profiles. Observe the short-circuit strength of the busbar system. Short-circuit strength greater than 50 kA on request.

See also chapter "Busbar Systems".

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

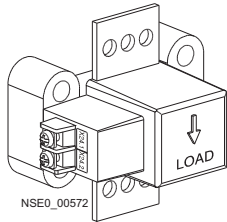
Accessories and spare parts

2

Type	Rated current I_n A	DT	Article No. www.siemens.com/ product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
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Further accessories

Current transformers (-T6) for N conductor/grounded neutral point of the transformer for ground-fault protection in 4-wire three-phase systems¹⁾



VL160/3VL2	63, 80		3VL9280-8TC00		1	1 unit	113	0.453
	100		3VL9210-8TC00		1	1 unit	113	0.460
	160		3VL9216-8TC00		1	1 unit	113	0.475
VL250/3VL3	200		3VL9320-8TC00		1	1 unit	113	0.452
	250		3VL9325-8TC00		1	1 unit	113	0.455
VL400/3VL4	315		3VL9440-8TC00		1	1 unit	113	0.648
	400		3VL9440-8TC00		1	1 unit	113	0.648
VL630/3VL5	630		3VL9563-8TC00		1	1 unit	113	0.771
VL800/3VL6	800		3VL9680-8TC00		1	1 unit	113	0.800
VL1250/3VL7	1000		3VL9712-8TC00		1	1 unit	113	2.042
	1250		3VL9712-8TC00		1	1 unit	113	2.042
VL1600/3VL8	1600		3VL9816-8TC00		1	1 unit	113	2.061

¹⁾ Please note the rated current of the circuit breaker.

Current transformers for measuring purposes



4NC53 current transformers

See also chapter "Measuring Devices and Power Monitoring" under Accessories.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts

Version	DT	Article No. www.siemens.com/ product?Article.No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
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Accessories for communication

3- or 4-pole

Data transmission through COM20, COM21

VL160 (3VL2) to VL1600 (3VL8)

COM20 Release 2 (PROFIBUS module for 3VL molded case circuit breaker) for ETUs with communication function and LCD ETUs

Module for connecting the 3VL molded case circuit breaker to the PROFIBUS DP, including switching function and Zone Selective Interlocking functionality, connection cable to ETU included in delivery of the ETU, length 1.5 m.

[3VL9000-8AU00](#)

1 1 unit 113 0.287

COM21 Release 2 (MODBUS RTU module for 3VL molded case circuit breaker) for ETUs with communication function and LCD ETUs

Module for connecting the 3VL molded case circuit breaker to the MODBUS RTU, including switching function and Zone Selective Interlocking functionality, connection cable to ETU included in delivery of the ETU, length 1.5 m.

[3VL9000-8AV00](#)

1 1 unit 113 0.295

Connection cable ETU – COM20/COM21

For VL160 ... VL250, length 3 m
For VL630 ... VL1600, length 3 m
For VL400, length 3 m

[3VL9000-8AQ81](#)

1 1 unit 113 0.136

[3VL9000-8AQ71](#)

1 1 unit 113 0.135

[3VL9000-8AQ61](#)

1 1 unit 113 0.149

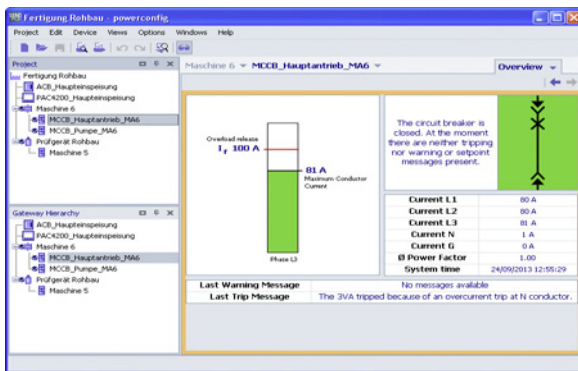
Addressing plugs

For assigning the PROFIBUS module addresses without using a PC/PG
On COM20/COM21 through the system interface

▶ [3UF7910-0AA00-0](#)

1 1 unit 42J 0.015

powerconfig parameterization software



Parameterization, operation, monitoring and diagnostics of 3VL molded case circuit breakers using powerconfig software, see chapter "Software" "Configuring, Visualizing and Controlling with SENTRON".

powerconfig is available free of charge at
<http://support.automation.siemens.com/WWW/view/en/63452759>

You can find more information on the Internet at:

www.siemens.com/sentron

Communication:

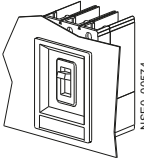
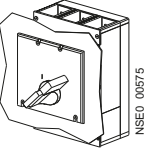
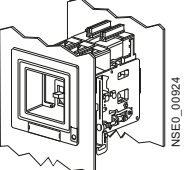
- For molded case circuit breakers with communication function, see pages 2/16 to 2/32, 2/44 to 2/54.
- For more information, see also chapters "Measuring Devices and Power Monitoring" and "Software".

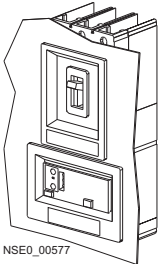
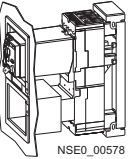
Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts

2

Version	DT	For VL160X (3VL1) Article No. www.siemens.com/ product?Article.No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Further accessories							
3- or 4-pole							
Masking frames (cover frames)							
For door cutouts							
 Masking frame A NSE0_00674	A	Fixed-mounted or plug-in circuit breaker					
	IP40		3VL9300-8BC00	1	1 unit	113	0.054
	B¹⁾	Fixed-mounted, plug-in or withdrawable circuit breaker with front-operated rotary operating mechanism or motorized operating mechanism (with or without SEO/MO stored energy mechanisms)					
	IP40		3VL9300-8BG00	1	1 unit	113	0.127
	C	Withdrawable circuit breaker with toggle lever actuation. Assembly kit contains masking frame and extended escutcheon (cannot be used together with a motorized operating mechanism/rotary operating mechanism)					
	IP20		--				
 Masking frame B NSE0_00675	D	Fixed-mounted circuit breaker or plug-in circuit breaker					
	IP40	RCD circuit breaker masking frame	3VL9300-8BD00	1	1 unit	113	0.046
		RCD masking frame	3VL9300-8BD00	1	1 unit	113	0.046
 Masking frame C NSE0_00924	E¹⁾	Circuit breaker with RCD module and front-operated rotary operating mechanism. Assembly kit contains masking frame and extended escutcheon					
	IP40	Circuit breaker with RCD module and motorized operating mechanism. Assembly kit contains masking frame and extended escutcheon	--				

Version	DT	For VL400 (3VL4) Article No. www.siemens.com/ product?Article.No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Further accessories							
3- or 4-pole							
Masking frames (cover frames)							
For door cutouts							
 Masking frame D NSE0_00577	A	Fixed-mounted or plug-in circuit breaker					
	IP40		3VL9400-8BC00	1	1 unit	113	0.047
	B¹⁾²⁾	Fixed-mounted, plug-in or withdrawable circuit breaker with front-operated rotary operating mechanism or motorized operating mechanism (only with SEO stored energy mechanisms)					
	IP40		3VL9400-8BG00	1	1 unit	113	0.193
	C	Withdrawable circuit breaker with toggle lever actuation. Assembly kit contains masking frame and extended escutcheon (cannot be used together with a motorized operating mechanism/rotary operating mechanism)					
	IP20		3VL9400-8BH00	1	1 unit	113	0.389
 Masking frame E NSE0_00578	D	Fixed-mounted circuit breaker or plug-in circuit breaker					
	IP40	RCD circuit breaker masking frame	3VL9400-8BC00	1	1 unit	113	0.047
		RCD masking frame	3VL9400-8BD00	1	1 unit	113	0.044
	E¹⁾	Circuit breaker with RCD module and front-operated rotary operating mechanism. Assembly kit contains masking frame and extended escutcheon					
	IP40	Circuit breaker with RCD module and motorized operating mechanism. Assembly kit contains masking frame and extended escutcheon	3VL9400-8BH00	1	1 unit	113	0.389
			3VL9400-8BJ00	1	1 unit	113	0.516

¹⁾ For withdrawable version IP20.

²⁾ As motorized operating mechanism (without stored energy mechanism) for the 3VL4-3VL6 use MLFB 3VL9300-8BG00.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts

2

DT	For VL160 (3VL2)	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg	DT	For VL250 (3VL3)	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg
	Article No. www.siemens.com/product?Article.No.							Article No. www.siemens.com/product?Article.No.					

3VL9300-8BC00

1 1 unit 113 0.054

3VL9300-8BC00

1 1 unit 113 0.054

3VL9300-8BG00

1 1 unit 113 0.127

3VL9300-8BG00

1 1 unit 113 0.127

3VL9300-8BH00

1 1 unit 113 0.268

3VL9300-8BH00

1 1 unit 113 0.268

3VL9300-8BC00
3VL9300-8BD001 1 unit 113 0.054
1 1 unit 113 0.0463VL9300-8BC00
3VL9300-8BD001 1 unit 113 0.054
1 1 unit 113 0.046

3VL9300-8BH00

1 1 unit 113 0.268

3VL9300-8BH00

1 1 unit 113 0.268

3VL9300-8BJ00

1 1 unit 113 0.314

3VL9300-8BJ00

1 1 unit 113 0.314

DT	For VL630 (3VL5)	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg	DT	For VL800 (3VL6)	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg
	Article No. www.siemens.com/product?Article.No.							Article No. www.siemens.com/product?Article.No.					

3VL9600-8BC00

1 1 unit 113 0.070

3VL9600-8BC00

1 1 unit 113 0.070

3VL9600-8BG00

1 1 unit 113 0.209

3VL9600-8BG00

1 1 unit 113 0.209

3VL9600-8BH00

1 1 unit 113 0.230

3VL9600-8BH00

1 1 unit 113 0.230

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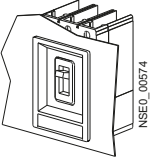
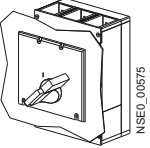
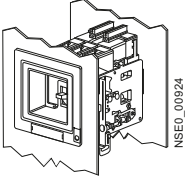
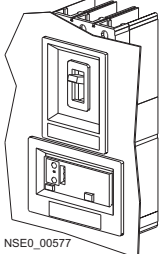
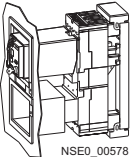
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Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts

2

Version	DT	For VL1250 (3VL7) Article No. www.siemens.com/ product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Further accessories							
3- or 4-pole							
Masking frames (cover frames) For door cutouts							
 <p>Masking frame A</p>	A	Fixed-mounted or plug-in circuit breaker					
	IP40			3VL9800-8BC00	1	1 unit	113 0.069
 <p>Masking frame B</p>	B¹⁾	Fixed-mounted, plug-in or withdrawable circuit breaker with front-operated rotary operating mechanism or motorized operating mechanism					
	IP40			3VL9800-8BG00	1	1 unit	113 0.272
 <p>Masking frame C</p>	C	Withdrawable circuit breaker with toggle lever actuation. Assembly kit contains masking frame and extended escutcheon (cannot be used together with a motorized operating mechanism/rotary operating mechanism)					
	IP20			3VL9800-8BH00	1	1 unit	113 0.590
 <p>Masking frame D</p>	D	Fixed-mounted circuit breaker or plug-in circuit breaker RCD circuit breaker masking frame RCD masking frame					
	IP40			-- --			
 <p>Masking frame E</p>	E¹⁾	Circuit breaker with RCD module and front-operated rotary operating mechanism. Assembly kit contains masking frame and extended escutcheon Circuit breaker with RCD module and motorized operating mechanism. Assembly kit contains masking frame and extended escutcheon					
	IP40			-- --			

¹⁾ For withdrawable version IP20.

Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts

DT	For VL1600 (3VL8) Article No. www.siemens.com/ product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
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3VL9800-8BC00

1 1 unit 113 0.069

3VL9800-8BG00

1 1 unit 113 0.272

3VL9800-8BH00

1 1 unit 113 0.590

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Molded Case Circuit Breakers

3VL Molded Case Circuit Breakers up to 1600 A, IEC

Accessories and spare parts

More information

2

Manual for the 3VL molded case circuit breaker

This manual contains additional technical information, covering a product description, mode of operation, electrical wiring system and retrofitting.

The manual and operating instructions are available in PDF format at:

www.siemens.com/lowvoltage/manuals

SENTRON manual for communication solutions

Free download from
www.siemens.com/lowvoltage/manuals

See also "Air Circuit Breakers", "3WL Air Circuit Breakers/ Non-Automatic Air Circuit Breakers for AC up to 6300 A, IEC", "Accessories and spare parts".