



SIEMENS



SENTRON • SIVACON • ALPHA

Low-Voltage Power Distribution and Electrical Installation Technology

3VL Molded Case Circuit Breakers

Catalog
Extract
LV 10

Edition
04/2019

siemens.com/lowvoltage

Related catalogs

Low-Voltage Power Distribution and Electrical Installation Technology LV 10
 SENTRON • SIVACON • ALPHA
 Protection, Switching, Measuring and Monitoring Devices, Switchboards and Distribution Systems



PDF (E86060-K8280-A101-A9-7600)
 Print (E86060-K8280-A101-A6-7600)

Air Circuit Breakers and Molded Case Circuit Breakers with UL Certification LV 18
 SENTRON



PDF (E86060-K8280-E347-A2-7600)

Industrial Controls IC 10
 SIRIUS



PDF (E86060-K1010-A101-A9-7600)

Industrial Communication IK PI
 SIMATIC NET



E86060-K6710-A101-B8-7600

DELTA ET D1
 Switches and Socket Outlets



PDF

SITRAIN
 Training for Industry



www.siemens.com/sitrain

Catalog PDF / Contact

Catalog PDF
 Digital versions of the catalogs are available in the Siemens Industry Online Support.



www.siemens.com/lowvoltage/catalogs

Contact
 Your personal contact can be found in our Contacts Database at:



www.siemens.com/automation-contact

Industry Mall / TIA ST / CA 01

Industry Mall
 Information and Ordering Platform on the Internet:



www.siemens.com/industrymall

Siemens TIA Selection Tool
 for the selection, configuration and ordering of TIA products and devices



www.siemens.com/tst

Products for Automation and Drives CA 01
 Interactive Catalog Download



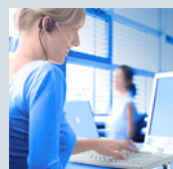
www.siemens.com/ca01download

Trademarks

All product designations may be registered trademarks or product names of Siemens AG or other supplying companies. Third parties using these trademarks or product names for their own purposes may infringe upon the rights of the trademark owners. Further information about low-voltage power distribution and electrical installation technology is available on the Internet at:

www.siemens.com/lowvoltage

Technical Support



Expert advice on technical questions with a wide range of demand-optimized services for all our products and systems.

www.siemens.com/lowvoltage/support-request

Low-Voltage Power Distribution and Electrical Installation Technology

Protection, Switching, Measuring and Monitoring Devices, Switchboards and Distribution Systems

SENTRON · SIVACON · ALPHA



Catalog LV 10 · 04/2019

You can find the updated catalog valid from October 2019 in the Siemens Industry Online Support under www.siemens.com/lowvoltage/catalogs

Supersedes:
Catalog LV 10 · 10/2018

Refer to the Industry Mall for current prices:
www.siemens.com/industrymall

The products in this catalog can also be found in the Interactive Catalog CA 01:
www.siemens.com/ca01/download

Please contact your local Siemens branch.

© Siemens AG 2019

The products and systems listed in this catalog are developed and manufactured using a certified quality management system in accordance with EN ISO 9001:2008.

Protection, Switching, Measuring and Monitoring Devices

| | |
|---|----------|
| Air Circuit Breakers | 1 |
| Molded Case Circuit Breakers | 2 |
| Miniature Circuit Breakers | 3 |
| Residual Current Protective Devices / Arc-Fault Detection Devices (AFDDs) | 4 |
| Fuse Systems | 5 |
| Overvoltage Protection Devices | 6 |
| Switch Disconnectors | 7 |
| Transfer Switching Equipment and Load Transfer Switches | 8 |
| Switching Devices | 9 |
| Transformers, Power Supply Units and Socket Outlets | 10 |
| Busbar Systems | 11 |
| Measuring Devices and Power Monitoring | 12 |
| Monitoring Devices | 13 |
| Terminal Blocks | 14 |
| Software | 15 |
| Switchboards | 16 |
| Busbar Trunking Systems | 17 |
| System Cubicles, System Lighting and System Air-Conditioning | 18 |
| Power Distribution Boards / Distribution Boards | 19 |
| Appendix | 20 |

Switchboards and Distribution Systems

Opening Information

Ordering notes

Overview

Ordering special versions

When ordering products that differ from the standard versions listed in the catalog, "-Z" must be added to the Article No. indicated and the required features must be specified using alphanumeric order codes or plain text.

Ordering very small quantities

When very small orders are placed, the costs associated with order processing are greater than the order value. We therefore recommend that you combine several small orders. Where this is not possible, we regret that we are obliged to make a small processing charge: for orders with a net goods value of less than € 250 we charge a € 20 supplement to cover our order processing and invoicing costs.

Explanations of Selection and ordering data

Standard delivery time (SD)

- ▶ Preferred type Preferred types are device types that can be delivered immediately ex works, i.e. they are dispatched within 24 hours.

Price units (PU)

The price unit defines the number of units, sets or meters to which the specified price applies.

Packaging size (PS)

The packaging size defines the number of units, sets or meters, for example, for outer packaging. Only the quantity defined by the packaging size or a multiple thereof can be ordered.

Price group (PG)

Each product is allocated to a price group.

Example

5TT3400
SD: Preferred type
PG: 13C
Ordering quantity 1 unit or a multiple thereof

8US1923-5CA02
PG: 14O
Ordering quantity 10 units or a multiple thereof

8WH9000-1GA00
PG: 12X
Ordering quantity 50 units or a multiple thereof

| SD | Article No. | Price per PU | PU (UNIT, SET, M) | PS* | PG |
|----|----------------------|--------------|-------------------|----------|-----|
| ▶ | 5TT3400 | | 1 | 1 unit | 1BK |
| | 8US1923-5CA02 | | 1 | 10 units | 1CU |
| | 8WH9000-1GA00 | | 100 | 50 units | 1BT |

Note:

The article numbers shown here and the specifications regarding selection and ordering data are examples only. When ordering, always use the selection and ordering data in the product chapters.

Metal surcharges/export markings

To compensate fluctuating prices of raw materials (for example silver, copper, aluminum, lead, gold, dysprosium and neodymium), surcharges are calculated on a daily basis for products containing these raw materials using the metal factor. A surcharge for the particular raw material is added to the price of a product if the basic quotations for this raw material are exceeded.

Each product's metal factor dictates for which raw materials the metal surcharges are calculated, from which quotation and with which calculation method (weight or percentage method).

An exact explanation of the metal factor can be found at: www.siemens.com/automation/salesmaterial-as/catalog/en/terms_of_trade_en.pdf

A product's export markings/metal surcharges are updated daily at www.siemens.com/industrymall.

Molded Case Circuit Breakers

**Product discontinuation****3VL molded case circuit breakers up to 1600 A, IEC**

| | |
|------|-----------------------------|
| 2/2 | Introduction |
| 2/8 | General data |
| 2/12 | 3-pole |
| 2/36 | 4-pole |
| 2/57 | Options |
| 2/61 | Accessories and spare parts |

Ch. 11 **Busbar device adapters and device holders from 630 A to 1600 A**

Ch. 12 **4NC current transformers**

Ch. 8 **3KC ATC6300 and ATC3100 transfer control devices**

Ch. 13 **Residual current devices (MRCD)**

For further technical product information:

Siemens Industry Online Support:
www.siemens.com/lowvoltage/product-support

→ Entry type:
 Application example
 Certificate
 Characteristic
 Download
 FAQ
 Manual
 Product note
 Software archive
 Technical data



Molded Case Circuit Breakers










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

Product discontinuation








Introduction

Overview

2

| Devices | Page | Application/ individual components | Standards | Used in | | |
|---|---|--|--|------------------------------|--------------------------|----------|
| | | | | Non-residential buildings | Residential buildings | Industry |
|  <p>3VL molded case circuit breakers for line protection</p> <p>3VL molded case circuit breakers for generator protection</p> <p><i>Note:</i> The 3VL molded case circuit breakers up to 1600 A, IEC are currently still available, but in the foreseeable future they will no longer be able to be ordered.</p> | 2/12 ... 2/27, ... 2/36 ... 2/53 | <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> <p>Are you IE3/IE4 ready?</p>  | 2/28 ... 2/31 | <p>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.</p> | IEC 60947-1, EN 60947-1, IEC 60947-2, EN 60947-2. IE3 ready | ✓ | ✓ | ✓ |
|  <p>3VL molded case circuit breakers for starter protection</p> <p>Are you IE3/IE4 ready?</p>  | 2/32, 2/33 | <p>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.</p> | IEC 60947-1, EN 60947-1, IEC 60947-2, EN 60947-2. IE3 ready | ✓ | ✓ | ✓ |
|  <p>3VL non-automatic circuit breakers, molded case</p> | 2/32, 2/33, 2/54, 2/55 | <p>These circuit breakers are used as feeder circuit breakers, main control switches or disconnectors without overload protection. They have fixed short-circuit releases.</p> | IEC 60947-1, EN 60947-1, IEC 60947-2, EN 60947-2. Isolating features according to IEC 60947-2, EN 60947-2. | ✓ | ✓ | ✓ |
|  <p>Auxiliary switches and auxiliary releases for 3VL molded case circuit breakers</p> | 2/61, 2/62 | <p>Auxiliary switches, alarm switches, undervoltage releases and shunt releases</p> | As for circuit breakers | ✓ | ✓ | ✓ |
|  <p>Operating mechanisms</p> | 2/64 ... 2/71 | <p>The manual operating mechanisms are available in two versions:</p> <ul style="list-style-type: none"> • Front-operated rotary operating mechanism, • 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> | 2/72 ... 2/77 | <p>Assembly in plug-in and withdrawable versions allows the 3VL molded case circuit breaker to be replaced quickly without accessing the terminals.</p> | As for circuit breakers | ✓ | ✓ | ✓ |



| Devices | Page | Application/ individual components | Standards | Used in | | |
|---|------------------|--|--|------------------------------|--------------------------|----------|
| | | | | Non-residential buildings | Residential buildings | Industry |
|  | 2/78 | Protection of plant and personnel against damage or injury caused by residual currents and insulation faults. | IEC EN 60947-2 (Annex 5) | ✓ | ✓ | ✓ |
|  | Ch. 13 | 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) | ✓ | ✓ | ✓ |
|  | 2/79 ... 2/84 | 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 | ✓ | ✓ | ✓ |
|  | 2/85 ... 2/90 | Locking devices for toggle levers, rear interlocking modules, interlocking modules for Bowden cable interlocking | As for circuit breakers | ✓ | ✓ | ✓ |
|  | Ch. 8 | The 3KC ATC6300 and ATC3100 transfer control devices, equipped with two circuit breakers with motorized operating mechanism, serve 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 | ✓ | ✓ | ✓ |
|  | Ch. 11 | Busbar adapters | As for circuit breakers | ✓ | ✓ | ✓ |
|  | 2/93 | Data transmission through COM20, COM21: COM20 (PROFIBUS) for Electronic Trip Units with communication function, COM21 (MODBUS) for Electronic Trip Units with communication function, powerconfig commissioning and service software | As for circuit breakers | ✓ | ✓ | ✓ |
| Further accessories | 2/94 ... 2/97 | Cover frames for door cut-outs, to increase degree of protection | As for circuit breakers | ✓ | ✓ | ✓ |



Molded Case Circuit Breakers

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

Product discontinuation

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 | V | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 690 |
| DC ¹⁾ | V | 500 | 500 ²⁾ | 600 | 600 | 600 | 600 ²⁾ | 600 | 600 ²⁾ |
| Trip units | | | | | | | | | |
| Thermal-magnetic | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Electronic LCD ETU/ETU | | -- | -- | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| PROFIBUS module COM20 | | -- | -- | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Dimensions | | | | | | | | | |
| A | mm | 105 | 139 | 105 | 139 | 105 | 139 | 139 | 183 |
| B | mm | 157 | 157 | 175 | 175 | 175 | 175 | 279 | 279 |
| C | mm | 81 | 81 | 81 | 81 | 81 | 81 | 102 | 102 |
| D | mm | 107 | 107 | 107 | 107 | 107 | 107 | 138 | 138 |

Breaking capacity I_{cu}/I_{cs}

RMS value acc. to IEC 60947-2

Standard breaking capacity N³⁾

| | | VL160X/3VL1 | | VL160/3VL2 | | VL250/3VL3 | | VL400/3VL4 | |
|--------------------------------------|----|-------------------|--|------------|--|------------|--|------------|--|
| 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 capacity ⁶⁾ | | | | | | | | | |
| 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⁾

| | | VL160X/3VL1 | | VL160/3VL2 | | VL250/3VL3 | | VL400/3VL4 | |
|--------------------------------------|----|--------------------|--|------------|--|------------|--|------------|--|
| 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 capacity ⁶⁾ | | | | | | | | | |
| 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⁾

| | | VL160X/3VL1 | | VL160/3VL2 | | VL250/3VL3 | | VL400/3VL4 | |
|--------------------------------------|----|-------------|--|------------|--|------------|--|------------|--|
| 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 capacity ⁶⁾ | | | | | | | | | |
| Up to 480 V AC | kA | -- | | 75 | | 75 | | 75 | |
| Up to 600 V AC | kA | -- | | 12 | | 12 | | 20 | |

✓ Available

-- Not available

For 3VL molded case circuit breakers according to UL 489, see Catalog LV 18 or Catalog LV 16.

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

²⁾ For PV applications up to $U_e = 1000$ V DC.



Product discontinuation

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
600690
600

--

690
--690
--690
--690
--690
--✓
✓
✓✓
✓
✓--
✓
✓--
✓
✓--
✓
✓--
✓
✓--
✓
✓--
✓
✓190
279
102
138253
279
102
138190
406
114
151253
406
114
151229
406
152
207305
406
152
207229
406
152
207305
406
152
20765/65
55/55
35/26
25/20
20/10
32/32
--
--
25
2065/65
55/55
35/26
25/20
20/10
--
--
25
2065/35
55/28
35/26
25/20
20/10
--
--
25
2065/35
55/28
35/26
25/20
20/10
--
--
25
20100/75
70/70
50/38
40/30
20/10
32/32
32/32
--100/75
70/70
50/38
40/30
20/10
--
--
50
30100/50
70/35
50/38
40/30
30/15
--
--
50
30100/50
70/35
50/38
40/30
30/15
--
--
50
30200/150
100/75
75/50
50/38
20/10
32/32
32/32
32/32200/150
100/75
75/50
50/38
20/10
--
--
65
35200/100
100/50
75/50
50/38
35/17
--
--
65
35200/100
100/50
75/50
50/38
35/17
--
--
65
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 $I_n \geq 25$ 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.



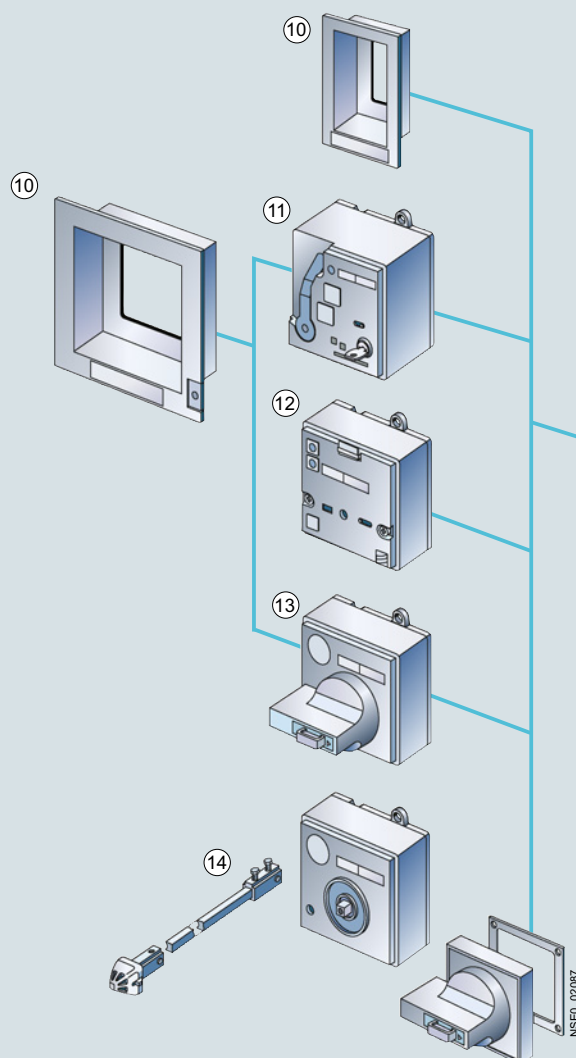
Molded Case Circuit Breakers

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

Product discontinuation

Introduction

2



- ① Withdrawable/plug-in bases (pages 2/72 to 2/77)
- ② Side walls of withdrawable unit (pages 2/72 to 2/77)
- ③ Phase barriers (pages 2/79 to 2/84)
- ④ Front connecting bars for increased pole spacing (pages 2/79 to 2/84)
- ⑤ Straight connecting bars (pages 2/79 to 2/84)
- ⑥ Circular conductor terminals for Al/Cu (pages 2/79 to 2/81)
- ⑦ Box terminals for Cu (pages 2/79 to 2/84)
- ⑧ Extended connection covers (terminal covers) (pages 2/79 to 2/84)
- ⑨ Standard connection covers (pages 2/79 to 2/84)
- ⑩ Masking frames/cover frames for door cut-out (pages 2/94 to 2/97)
- ⑪ Motorized operating mechanisms with stored energy mechanism (SEO) (page 2/68)
- ⑫ Motorized operating mechanisms (MO) (page 2/68)
- ⑬ Front-operated rotary operating mechanisms (pages 2/64 to 2/67)
- ⑭ Door-coupling rotary operating mechanisms (pages 2/64 to 2/67)
- ⑮ 3VL molded case circuit breakers (pages 2/12 to 2/55)
- ⑯ Internal accessories (pages 2/59, 2/60, 2/61 to 2/63)
- ⑰ Electronic trip units LCD ETU (pages 2/22, 2/26, 2/30, 2/46 and 2/48)
- ⑱ Electronic trip units with communication function (pages 2/14 to 2/31, 2/42 to 2/52)
- ⑲ Thermal/magnetic trip units (pages 2/12 to 2/14, 2/32, 2/36 to 2/40, 2/54)
- ⑳ RCD modules (page 2/78)
- ㉑ Rear terminals, flat and round (pages 2/79 to 2/84)
- ㉒ COM20/21 communication module for the PROFIBUS DP/MODBUS (page 2/93)
- ㉓ Battery power supplies with test function for Electronic Trip Units (pages 2/86 to 2/90)



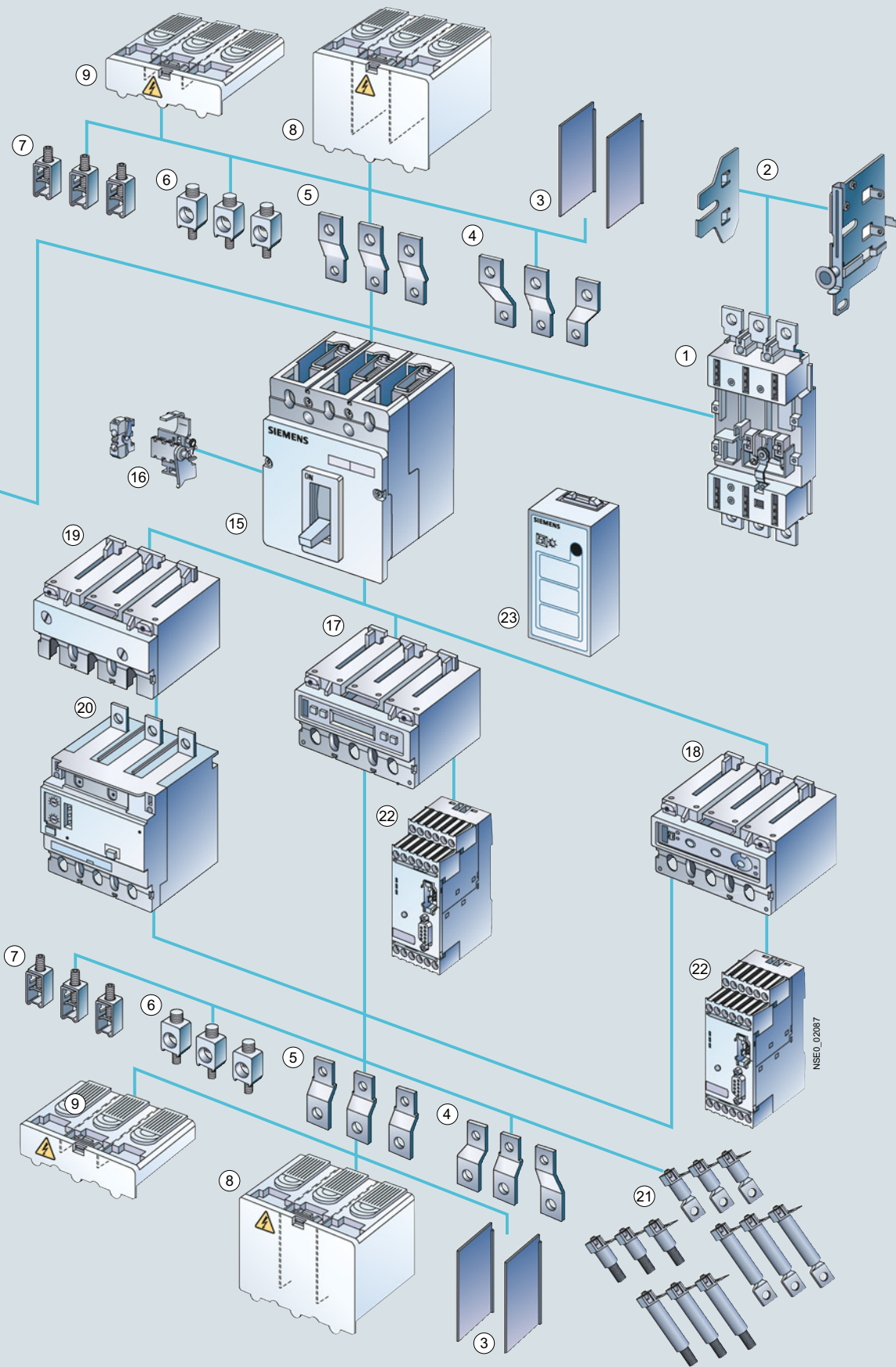
Product discontinuation

Molded Case Circuit Breakers

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

Introduction

2





Molded Case Circuit Breakers

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

Product discontinuation

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 2/14 to 2/31, 2/42 to 2/53.
- For communication accessories, see page 2/93.
- For more information, see also chapter "Measuring Devices and Power Monitoring" and chapter "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
- Disconnecting means with features for stopping and switching off in an emergency (main disconnecting means 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 line 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 to IEC 60947-2, EN 60947-2.

Means of disconnection (main disconnecting means) according to EN 60204 (VDE 0113).

The 3VL molded case circuit breakers comply in addition with requirements for "disconnecting means 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 comply with IEC 60947-4-1, VDE 0660-102.

VL160X to VL400 circuit breakers can be equipped with a 3VL RCD module. They therefore comply with IEC 60947-2 Annex 5.

The 3VL RCD module complies with IEC 61000-4-2 to IEC 61000-4-6, IEC 61000-4-11 and EN 55011, Class 5 (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 application manual for controls with IE3/IE4 motors at

<https://support.industry.siemens.com/cs/ww/en/view/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

Box terminal
(for copper cables or solid/
flexible busbars)

Connection with screw terminal
(available with direct cable lug
connection on VL160X, VL160, VL250,
VL400)

Connection to front busbar connecting
bars (screw terminal required)

Circular conductor terminal/
multiple feed-in terminal
(for Al/Cu terminal)

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 connections | 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 terminal 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 | -- | -- | -- |
| • Finely stranded without end sleeve | | mm ² 2.5 ... 70 | 2.5 ... 70 | 25 ... 150 | 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 cable ¹⁾ | | | | | | | | |
| • 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 terminal ¹⁾ | | | | | | | | |
| • 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 |
| • 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 |
| • 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 |
| For details, see Mounting Instructions . | | | | | | | | |

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

Product discontinuation

General data

VL160 to VL1600 trip units – functional overview

| Article No. supplement | Releases | Line protection | Line/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] | $I_I = \times I_n$ | $I_G = \times I_n$ | 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⁾ Fixed.



| Article No. supplement | Releases | Thermal image | Phase failure | Communication-capable | Ground-fault protection | Number of poles | N-pole protected ¹⁾ | I_t^2 (ON/OFF) | Trip class (t_c) | Time-lag class (I_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 | ✓ | -- | -- | -- | 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-wire system)
 ② Vectorial summation current formation (4-wire 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

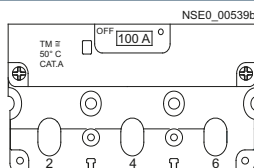
Product discontinuation

3-pole

Selection and ordering data

| Type | Rated current I_n | Current setting range of the inverse-time delayed overcurrent protection "L" I_R | Operating current of the instantaneous short-circuit protection "I" I_i | SD | I_{cu} up to 55 kA at 415 V, standard breaking capacity N See Overview . | Article No. | Basic price per PU | PU (UNIT, SET, M) | PS | PG |
|------|------------------------|---|--|----|---|---|--------------------|-------------------|----|----|
| A | A | A | A | d | (N) | Article No. supplement, see page 2/58, www.siemens.com/product?ArticleNo. | | | | |

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



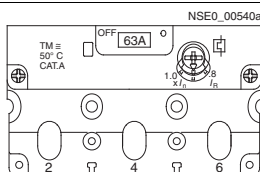
Line protection, TM, LI function

With fixed thermal overcurrent releases, fixed short-circuit releases

| VL160X/ 3VL1 | I_n | I_R | I_i | Article No. | Basic price per PU | PU (UNIT, SET, M) | PS | PG |
|-----------------|-------|-------|-------|--------------------|--------------------|-------------------|--------|-----|
| | 16 | 16 | 300 | 3VL1796-1DA3□-□□□□ | | 1 | 1 unit | 1CC |
| | 20 | 20 | 300 | 3VL1702-1DA3□-□□□□ | | 1 | 1 unit | 1CC |
| | 25 | 25 | 300 | 3VL1725-1DA3□-□□□□ | | 1 | 1 unit | 1CC |
| | 32 | 32 | 300 | 3VL1703-1DA3□-□□□□ | | 1 | 1 unit | 1CC |
| | 40 | 40 | 600 | 3VL1704-1DA3□-□□□□ | | 1 | 1 unit | 1CC |
| | 50 | 50 | 600 | 3VL1705-1DA3□-□□□□ | | 1 | 1 unit | 1CC |
| | 63 | 63 | 600 | 3VL1706-1DA3□-□□□□ | | 1 | 1 unit | 1CC |
| | 80 | 80 | 1000 | 3VL1708-1DA3□-□□□□ | | 1 | 1 unit | 1CC |
| | 100 | 100 | 1000 | 3VL1710-1DA3□-□□□□ | | 1 | 1 unit | 1CC |
| | 125 | 125 | 1000 | 3VL1712-1DA3□-□□□□ | | 1 | 1 unit | 1CC |
| | 160 | 160 | 1500 | 3VL1716-1DA3□-□□□□ | | 1 | 1 unit | 1CC |

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**



Line protection, TM, LI function

With adjustable thermal overcurrent releases, fixed short-circuit releases

| VL160X/ 3VL1 | I_n | I_R | I_i | Article No. | Basic price per PU | PU (UNIT, SET, M) | PS | PG |
|-----------------|-------|-------------|-------|--------------------|--------------------|-------------------|--------|-----|
| | 20 | 16 ... 20 | 300 | 3VL1702-1DD3□-□□□□ | | 1 | 1 unit | 1CC |
| | 32 | 25 ... 32 | 300 | 3VL1703-1DD3□-□□□□ | | 1 | 1 unit | 1CC |
| | 40 | 32 ... 40 | 600 | 3VL1704-1DD3□-□□□□ | | 1 | 1 unit | 1CC |
| | 50 | 40 ... 50 | 600 | 3VL1705-1DD3□-□□□□ | | 1 | 1 unit | 1CC |
| | 63 | 50 ... 63 | 600 | 3VL1706-1DD3□-□□□□ | | 1 | 1 unit | 1CC |
| | 80 | 63 ... 80 | 1000 | 3VL1708-1DD3□-□□□□ | | 1 | 1 unit | 1CC |
| | 100 | 80 ... 100 | 1000 | 3VL1710-1DD3□-□□□□ | | 1 | 1 unit | 1CC |
| | 125 | 100 ... 125 | 1000 | 3VL1712-1DD3□-□□□□ | | 1 | 1 unit | 1CC |
| | 160 | 125 ... 160 | 1500 | 3VL1716-1DD3□-□□□□ | | 1 | 1 unit | 1CC |

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.



Product discontinuation

Molded Case Circuit Breakers

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

3-pole

2

| SD | I_{cu} up to 70 kA at 415 V, high breaking capacity H | (H) | SD | I_{cu} up to 100 kA at 415 V, very high breaking capacity L | (L) | | | | | | |
|----|---|--------------------------|-------------------------|--|-----|---|---|--------------------------|-------------------------|----|----|
| d | Article No. Article No. supplement, see page 2/58; www.siemens.com/ product?Article No. | Basic price per PU | PU (UNIT, SET, M) | PS | PG | d | Article No. Article No. supplement, see page 2/58; www.siemens.com/ product?Article No. | Basic price per PU | PU (UNIT, SET, M) | PS | PG |

3VL1796-2DA3□-□□□□
3VL1702-2DA3□-□□□□
3VL1725-2DA3□-□□□□
3VL1703-2DA3□-□□□□
3VL1704-2DA3□-□□□□
3VL1705-2DA3□-□□□□
3VL1706-2DA3□-□□□□
3VL1708-2DA3□-□□□□
3VL1710-2DA3□-□□□□
3VL1712-2DA3□-□□□□
3VL1716-2DA3□-□□□□

1 1 unit 1CC
1 1 unit 1CC
1 1 unit 1CC
1 1 unit 1CC
1 1 unit 1CC
1 1 unit 1CC
1 1 unit 1CC
1 1 unit 1CC
1 1 unit 1CC
1 1 unit 1CC
1 1 unit 1CC

--
--
--
--
--
--
--
--
--
--
--

3
6

3VL1702-2DD3□-□□□□
3VL1703-2DD3□-□□□□
3VL1704-2DD3□-□□□□
3VL1705-2DD3□-□□□□
3VL1706-2DD3□-□□□□
3VL1708-2DD3□-□□□□
3VL1710-2DD3□-□□□□
3VL1712-2DD3□-□□□□
3VL1716-2DD3□-□□□□

1 1 unit 1CC
1 1 unit 1CC
1 1 unit 1CC
1 1 unit 1CC
1 1 unit 1CC
1 1 unit 1CC
1 1 unit 1CC
1 1 unit 1CC
1 1 unit 1CC

--
--
--
--
--
--
--
--
--

3
6



Molded Case Circuit Breakers

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

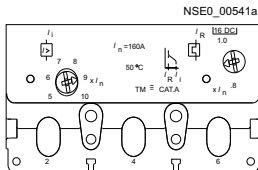
Product discontinuation

3-pole

2

| Type | Rated current I_n | Current setting of the inverse-time delayed overcurrent protection "L" I_R | Operating current of the instantaneous short-circuit protection "I" I_I | SD | I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview". | (N) | | | |
|------|------------------------|---|--|----|---|--|-------------------|----|----|
| | A | A | A | d | Article No. Article No. supplement, see page 2/58; www.siemens.com/product?ArticleNo . | Basic price per PU/Price see page 2/34 | PU (UNIT, SET, M) | PS | PG |

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



Line protection, TM, LI function

With adjustable thermal overcurrent releases, adjustable short-circuit releases

| | | | | | | | |
|----------------|-------------------|--|--|--|-------------|----------------------------|-------------------|
| VL160/ 3VL2 | 50 63 80 | 40 ... 50 50 ... 63 63 ... 80 | 300 ... 600 300 ... 600 400 ... 800 | 3VL2705-1DC3 □-□□□□ 3VL2706-1DC3 □-□□□□ 3VL2708-1DC3 □-□□□□ | 1 1 1 | 1 unit 1 unit 1 unit | 1CC 1CC 1CC |
| | 100 125 160 | 80 ... 100 100 ... 125 125 ... 160 | 500 ... 1000 625 ... 1250 800 ... 1600 | 3VL2710-1DC3 □-□□□□ 3VL2712-1DC3 □-□□□□ 3VL2716-1DC3 □-□□□□ | 1 1 1 | 1 unit 1 unit 1 unit | 1CC 1CC 1CC |
| VL250/ 3VL3 | 200 250 | 160 ... 200 200 ... 250 | 1000 ... 2000 1250 ... 2500 | 3VL3720-1DC3 □-□□□□ 3VL3725-1DC3 □-□□□□ | 1 1 | 1 unit 1 unit | 1CC 1CC |

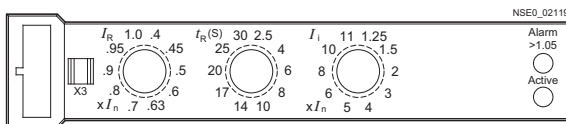
Connection type can be selected by assignment of the 12th position of the Article No.

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

3
6

| | | | | | | | |
|------------|--------------------------|--|--|--|------------------|--------------------------------------|--------------------------|
| VL400/3VL4 | 200 250 315 400 | 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 | 1CC 1CC 1CC 1CC |
| 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 | 1CC 1CC 1CC 1CC |

3-pole, fixed-mounted, for line 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 | $1.25 \dots 11 \times I_n$ $1.25 \dots 11 \times I_n$ $1.25 \dots 11 \times I_n$ | 3VL2706-1 □□3□-□□□□ 3VL2710-1 □□3□-□□□□ 3VL2716-1 □□3□-□□□□ | 1 1 1 | 1 unit 1 unit 1 unit | 1CC 1CC 1CC |
| VL250/3VL3 | 200 250 | 80 ... 200 100 ... 250 | $1.25 \dots 11 \times I_n$ $1.25 \dots 11 \times I_n$ | 3VL3720-1 □□3□-□□□□ 3VL3725-1 □□3□-□□□□ | 1 1 | 1 unit 1 unit | 1CC 1CC |

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 | 315 400 | 128 ... 315 160 ... 400 | $1.25 \dots 11 \times I_n$ $1.25 \dots 11 \times I_n$ | 3VL4731-1 □□36-□□□□ 3VL4740-1 □□36-□□□□ | 1 1 | 1 unit 1 unit | 1CC 1CC |
| VL630/3VL5 | 630 | 252 ... 630 | $1.25 \dots 10 \times I_n$ | 3VL5763-1 □□36-□□□□ | 1 | 1 unit | 1CC |
| VL800/3VL6 | 800 | 320 ... 800 | $1.25 \dots 8 \times I_n$ | 3VL6780-1 □□36-□□□□ | 1 | 1 unit | 1CC |
| VL1250/3VL7 | 1000 1250 | 400 ... 1000 500 ... 1250 | $1.25 \dots 11 \times I_n$ $1.25 \dots 11 \times I_n$ | 3VL7710-1 □□36-□□□□ 3VL7712-1 □□36-□□□□ | 1 1 | 1 unit 1 unit | 1CC 1CC |
| VL1600/3VL8 ²⁾ | 1600 | 640 ... 1600 | $1.25 \dots 9 \times I_n$ | 3VL8716-1 □□30-□□□□ | 1 | 1 unit | 1CC |

- 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 2/93.
- For more information, see also chapter "Measuring Devices and Power Monitoring" and chapter "Software".



Product discontinuation

Molded Case Circuit Breakers

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

3-pole

2

| SD | I_{cu} up to 70 kA at 415 V, high breaking capacity H | | | | | (H) | SD | I_{cu} up to 100 kA at 415 V, very high breaking capacity L | | | | | (L) |
|----|---|---|-------------------|----|----|-----|-------------|---|-------------------|----|----|--|-----|
| d | Article No. | Basic price per PU/ Price see page 2/34 | PU (UNIT, SET, M) | PS | PG | d | Article No. | Basic price per PU/ Price see page 2/34 | PU (UNIT, SET, M) | PS | PG | | |

| | | | | | | | | | | | |
|--------------------|---|--------|-----|--|--|--------------------|---|--------|-----|--|--|
| 3VL2705-2DC3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2705-3DC3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2706-2DC3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2706-3DC3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2708-2DC3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2708-3DC3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2710-2DC3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2710-3DC3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2712-2DC3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2712-3DC3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2716-2DC3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2716-3DC3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3720-2DC3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3720-3DC3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3725-2DC3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3725-3DC3□-□□□□ | 1 | 1 unit | 1CC | | |

3
6

3
6

| | | | | | | | | | | | |
|--------------------|---|--------|-----|--|--|--------------------|---|--------|-----|--|--|
| 3VL4720-2DC36-□□□□ | 1 | 1 unit | 1CC | | | 3VL4720-3DC36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL4725-2DC36-□□□□ | 1 | 1 unit | 1CC | | | 3VL4725-3DC36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL4731-2DC36-□□□□ | 1 | 1 unit | 1CC | | | 3VL4731-3DC36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL4740-2DC36-□□□□ | 1 | 1 unit | 1CC | | | 3VL4740-3DC36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5731-2DC36-□□□□ | 1 | 1 unit | 1CC | | | 3VL5731-3DC36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5740-2DC36-□□□□ | 1 | 1 unit | 1CC | | | 3VL5740-3DC36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5750-2DC36-□□□□ | 1 | 1 unit | 1CC | | | 3VL5750-3DC36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5763-2DC36-□□□□ | 1 | 1 unit | 1CC | | | 3VL5763-3DC36-□□□□ | 1 | 1 unit | 1CC | | |

| | | | | | | | | | | | |
|--------------------|---|--------|-----|--|--|--------------------|---|--------|-----|--|--|
| 3VL2706-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2706-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2710-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2710-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2716-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2716-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3720-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3720-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3725-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3725-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |

3
6

3
6

| | | | | | | | | | | | |
|--------------------|---|--------|-----|--|--|--------------------|---|--------|-----|--|--|
| 3VL4731-2□□36-□□□□ | 1 | 1 unit | 1CC | | | 3VL4731-3□□36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL4740-2□□36-□□□□ | 1 | 1 unit | 1CC | | | 3VL4740-3□□36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5763-2□□36-□□□□ | 1 | 1 unit | 1CC | | | 3VL5763-3□□36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL6780-2□□36-□□□□ | 1 | 1 unit | 1CC | | | 3VL6780-3□□36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL7710-2□□36-□□□□ | 1 | 1 unit | 1CC | | | 3VL7710-3□□36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL7712-2□□36-□□□□ | 1 | 1 unit | 1CC | | | 3VL7712-3□□36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL8716-2□□30-□□□□ | 1 | 1 unit | 1CC | | | 3VL8716-3□□30-□□□□ | 1 | 1 unit | 1CC | | |

SB
MB
LB

SB
MB
LB



Molded Case Circuit Breakers

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

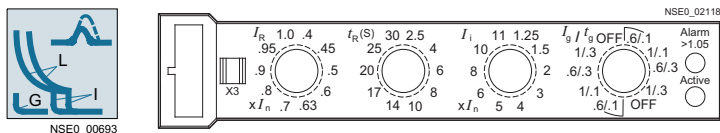
Product discontinuation

3-pole

2

| Type | Rated current I_n | Current setting of the inverse-time delayed overcurrent protection "L" I_R | Operating current of the instantaneous short-circuit protection "I" I_i | Ground-fault protection "G" I_g | SD | I_{cu} up to 55 kA at 415 V, standard breaking capacity N | | | | | |
|------|---------------------|--|---|-----------------------------------|----|---|----------------------|-------------------|----|----|-----|
| | | | | | | See "Overview" | | | | | |
| | | | | | | Article No. | Price, see page 2/34 | PU (UNIT, SET, M) | PS | PG | (N) |
| | | | | | | Article No. supplement, see page 2/58; www.siemens.com/product?ArticleNo. | | | | | |

3-pole, fixed-mounted, for line 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 $t_g = 0.1 \dots 0.3$ s, ground fault function (G) can be switched off.

| | | | | | | | | |
|------------|-----|-------------|---------------------|-------------------------|---------------------------|---|--------|-----|
| VL160/3VL2 | 63 | 25 ... 63 | 1.25 ... 11 × I_n | 0.6 ... 1 × I_n , OFF | 3VL2706-1□□3□-□□□□ | 1 | 1 unit | 1CC |
| | 100 | 40 ... 100 | 1.25 ... 11 × I_n | 0.6 ... 1 × I_n , OFF | 3VL2710-1□□3□-□□□□ | 1 | 1 unit | 1CC |
| | 160 | 64 ... 160 | 1.25 ... 11 × I_n | 0.6 ... 1 × I_n , OFF | 3VL2716-1□□3□-□□□□ | 1 | 1 unit | 1CC |
| VL250/3VL3 | 200 | 80 ... 200 | 1.25 ... 11 × I_n | 0.6 ... 1 × I_n , OFF | 3VL3720-1□□3□-□□□□ | 1 | 1 unit | 1CC |
| | 250 | 100 ... 250 | 1.25 ... 11 × I_n | 0.6 ... 1 × I_n , OFF | 3VL3725-1□□3□-□□□□ | 1 | 1 unit | 1CC |

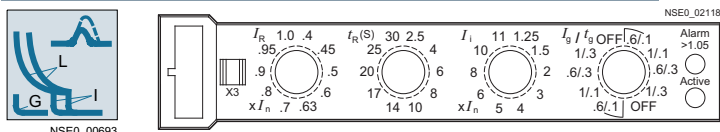
Connection type can be selected by assignment of the 12th position of the Article No.

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

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

- Without communication preparation
 - With communication preparation
- SL**
ML

3-pole, fixed-mounted, for line 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 2/92. Ground fault delay $t_g = 0.1 \dots 0.3$ s, ground fault function (G) can be switched off.

| | | | | | | | | |
|------------|-----|-------------|---------------------|-------------------------|---------------------------|---|--------|-----|
| VL160/3VL2 | 63 | 25 ... 63 | 1.25 ... 11 × I_n | 0.6 ... 1 × I_n , OFF | 3VL2706-1□□3□-□□□□ | 1 | 1 unit | 1CC |
| | 100 | 40 ... 100 | 1.25 ... 11 × I_n | 0.6 ... 1 × I_n , OFF | 3VL2710-1□□3□-□□□□ | 1 | 1 unit | 1CC |
| | 160 | 64 ... 160 | 1.25 ... 11 × I_n | 0.6 ... 1 × I_n , OFF | 3VL2716-1□□3□-□□□□ | 1 | 1 unit | 1CC |
| VL250/3VL3 | 200 | 80 ... 200 | 1.25 ... 11 × I_n | 0.6 ... 1 × I_n , OFF | 3VL3720-1□□3□-□□□□ | 1 | 1 unit | 1CC |
| | 250 | 100 ... 250 | 1.25 ... 11 × I_n | 0.6 ... 1 × I_n , OFF | 3VL3725-1□□3□-□□□□ | 1 | 1 unit | 1CC |

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 | 0.6 ... 1 × I_n , OFF | 3VL4731-1□□36-□□□□ | 1 | 1 unit | 1CC |
| | 400 | 160 ... 400 | 1.25 ... 11 × I_n | 0.6 ... 1 × I_n , OFF | 3VL4740-1□□36-□□□□ | 1 | 1 unit | 1CC |
| VL630/3VL5 | 630 | 252 ... 630 | 1.25 ... 10 × I_n | 0.6 ... 1 × I_n , OFF | 3VL5763-1□□36-□□□□ | 1 | 1 unit | 1CC |
| VL800/3VL6 | 800 | 320 ... 800 | 1.25 ... 8 × I_n | 0.6 ... 1 × I_n , OFF | 3VL6780-1□□36-□□□□ | 1 | 1 unit | 1CC |
| VL1250/3VL7 | 1000 | 400 ... 1000 | 1.25 ... 11 × I_n | 0.6 ... 1 × I_n , OFF | 3VL7710-1□□36-□□□□ | 1 | 1 unit | 1CC |
| | 1250 | 500 ... 1250 | 1.25 ... 11 × I_n | 0.6 ... 1 × I_n , OFF | 3VL7712-1□□36-□□□□ | 1 | 1 unit | 1CC |
| VL1600/3VL8 ²⁾ | 1600 | 640 ... 1600 | 1.25 ... 9 × I_n | 0.6 ... 1 × I_n , OFF | 3VL8716-1□□30-□□□□ | 1 | 1 unit | 1CC |

- 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.



Product discontinuation

Molded Case Circuit Breakers

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

3-pole

2

| SD | I_{cu} up to 70 kA at 415 V, high breaking capacity H | | | | | (H) | SD | I_{cu} up to 100 kA at 415 V, very high breaking capacity L | | | | | (L) |
|----|---|----------------------|-------------------|----|----|-----|-------------|---|-------------------|----|----|--|-----|
| d | Article No. | Price, see page 2/34 | PU (UNIT, SET, M) | PS | PG | d | Article No. | Price, see page 2/34 | PU (UNIT, SET, M) | PS | PG | | |

| | | | | | | | | | | | |
|--------------------|---|--------|-----|--|--|--------------------|---|--------|-----|--|--|
| 3VL2706-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2706-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2710-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2710-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2716-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2716-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3720-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3720-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3725-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3725-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |

3
6

3
6

| | | | | | | | | | | | |
|--------------------|---|--------|-----|--|--|--------------------|---|--------|-----|--|--|
| 3VL4731-2□□36-□□□□ | 1 | 1 unit | 1CC | | | 3VL4731-3□□36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL4740-2□□36-□□□□ | 1 | 1 unit | 1CC | | | 3VL4740-3□□36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5763-2□□36-□□□□ | 1 | 1 unit | 1CC | | | 3VL5763-3□□36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL6780-2□□36-□□□□ | 1 | 1 unit | 1CC | | | 3VL6780-3□□36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL7710-2□□36-□□□□ | 1 | 1 unit | 1CC | | | 3VL7710-3□□36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL7712-2□□36-□□□□ | 1 | 1 unit | 1CC | | | 3VL7712-3□□36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL8716-2□□30-□□□□ | 1 | 1 unit | 1CC | | | 3VL8716-3□□30-□□□□ | 1 | 1 unit | 1CC | | |

SL
ML

SL
ML

| | | | | | | | | | | | |
|--------------------|---|--------|-----|--|--|--------------------|---|--------|-----|--|--|
| 3VL2706-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2706-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2710-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2710-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2716-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2716-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3720-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3720-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3725-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3725-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |

3
6

3
6

| | | | | | | | | | | | |
|--------------------|---|--------|-----|--|--|--------------------|---|--------|-----|--|--|
| 3VL4731-2□□36-□□□□ | 1 | 1 unit | 1CC | | | 3VL4731-3□□36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL4740-2□□36-□□□□ | 1 | 1 unit | 1CC | | | 3VL4740-3□□36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5763-2□□36-□□□□ | 1 | 1 unit | 1CC | | | 3VL5763-3□□36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL6780-2□□36-□□□□ | 1 | 1 unit | 1CC | | | 3VL6780-3□□36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL7710-2□□36-□□□□ | 1 | 1 unit | 1CC | | | 3VL7710-3□□36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL7712-2□□36-□□□□ | 1 | 1 unit | 1CC | | | 3VL7712-3□□36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL8716-2□□30-□□□□ | 1 | 1 unit | 1CC | | | 3VL8716-3□□30-□□□□ | 1 | 1 unit | 1CC | | |

SF
MF

SF
MF

Communication:

• For accessories, see page 2/93.

• For more information, see also chapter "Measuring Devices and Power Monitoring" and chapter "Software".



Molded Case Circuit Breakers

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

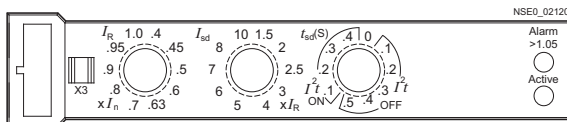
Product discontinuation

3-pole

2

| Type | Rated current I_n | Current setting of the inverse-time delayed overcurrent protection "L" I_R | Operating current of the instantaneous short-circuit protection "I" I_i | S function, short-circuit protection (short-time delayed) S | SD | I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview". | (N) | | | |
|------|------------------------|---|--|---|----|---|----------------------|-------------------|----|----|
| | A | A | A | A | d | Article No. Article No. supplement, see page 2/58; www.siemens.com/product?Article No. | Price, see page 2/34 | PU (UNIT, SET, M) | PS | PG |

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



ETU20, LSI function for time-based discrimination

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

| | | | | | | | | |
|------------|-----|---------------------|------------|--------------------|---------------------------|---|--------|-----|
| VL160/3VL2 | 63 | 0.4 ... 1.0 × I_n | 11 × I_n | 1.5 ... 10 × I_R | 3VL2706-1□□3□-□□□□ | 1 | 1 unit | 1CC |
| | 100 | 0.4 ... 1.0 × I_n | 11 × I_n | 1.5 ... 10 × I_R | 3VL2710-1□□3□-□□□□ | 1 | 1 unit | 1CC |
| | 160 | 0.4 ... 1.0 × I_n | 11 × I_n | 1.5 ... 10 × I_R | 3VL2716-1□□3□-□□□□ | 1 | 1 unit | 1CC |
| VL250/3VL3 | 200 | 0.4 ... 1.0 × I_n | 11 × I_n | 1.5 ... 10 × I_R | 3VL3720-1□□3□-□□□□ | 1 | 1 unit | 1CC |
| | 250 | 0.4 ... 1.0 × I_n | 11 × I_n | 1.5 ... 10 × I_R | 3VL3725-1□□3□-□□□□ | 1 | 1 unit | 1CC |

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 | 0.4 ... 1.0 × I_n | 11 × I_n | 1.5 ... 10 × I_R | 3VL4731-1□□36-□□□□ | 1 | 1 unit | 1CC |
| | 400 | 0.4 ... 1.0 × I_n | 11 × I_n | 1.5 ... 10 × I_R | 3VL4740-1□□36-□□□□ | 1 | 1 unit | 1CC |
| VL630/3VL5 | 630 | 0.4 ... 1.0 × I_n | 10 × I_n | 1.5 ... 9 × I_R | 3VL5763-1□□36-□□□□ | 1 | 1 unit | 1CC |
| VL800/3VL6 | 800 | 0.4 ... 1.0 × I_n | 8 × I_n | 1.5 ... 7 × I_R | 3VL6780-1□□36-□□□□ | 1 | 1 unit | 1CC |
| VL1250/3VL7 | 1000 | 0.4 ... 1.0 × I_n | 11 × I_n | 1.5 ... 10 × I_R | 3VL7710-1□□36-□□□□ | 1 | 1 unit | 1CC |
| | 1250 | 0.4 ... 1.0 × I_n | 11 × I_n | 1.5 ... 10 × I_R | 3VL7712-1□□36-□□□□ | 1 | 1 unit | 1CC |
| VL1600/3VL8 ²⁾ | 1600 | 0.4 ... 1.0 × I_n | 9 × I_n | 1.5 ... 8 × I_R | 3VL8716-1□□30-□□□□ | 1 | 1 unit | 1CC |

- 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 2/93.
- For more information, see also chapter "Measuring Devices and Power Monitoring" and chapter "Software".



Product discontinuation

Molded Case Circuit Breakers

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

3-pole

2

| SD | I_{cu} up to 70 kA at 415 V, high breaking capacity H | | | | | (H) | SD | I_{cu} up to 100 kA at 415 V, very high breaking capacity L | | | | | (L) |
|----|--|----------------------|-------------------|----|----|-----|--|---|-------------------|----|----|--|-----|
| d | Article No. | Price, see page 2/34 | PU (UNIT, SET, M) | PS | PG | d | Article No. | Price, see page 2/34 | PU (UNIT, SET, M) | PS | PG | | |
| | Article No. supplement, see page 2/58; | | | | | | Article No. supplement, see page 2/58; | | | | | | |
| | www.siemens.com/product?Article.No. | | | | | | www.siemens.com/product?Article.No. | | | | | | |

| | | | | | | | | | | | |
|--------------------|---|--------|-----|--|--|--------------------|---|--------|-----|--|--|
| 3VL2706-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2706-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2710-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2710-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2716-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2716-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3720-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3720-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3725-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3725-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |

3
6

3
6

| | | | | | | | | | | | |
|--------------------|---|--------|-----|--|--|--------------------|---|--------|-----|--|--|
| 3VL4731-2□□36-□□□□ | 1 | 1 unit | 1CC | | | 3VL4731-3□□36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL4740-2□□36-□□□□ | 1 | 1 unit | 1CC | | | 3VL4740-3□□36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5763-2□□36-□□□□ | 1 | 1 unit | 1CC | | | 3VL5763-3□□36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL6780-2□□36-□□□□ | 1 | 1 unit | 1CC | | | 3VL6780-3□□36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL7710-2□□36-□□□□ | 1 | 1 unit | 1CC | | | 3VL7710-3□□36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL7712-2□□36-□□□□ | 1 | 1 unit | 1CC | | | 3VL7712-3□□36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL8716-2□□30-□□□□ | 1 | 1 unit | 1CC | | | 3VL8716-3□□30-□□□□ | 1 | 1 unit | 1CC | | |

SE
ME
LE

SE
ME
LE



Molded Case Circuit Breakers

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

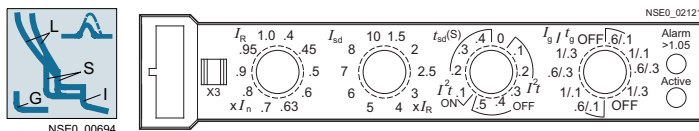
Product discontinuation

3-pole

2

| Type | Rated current I_n | Current setting of the inverse-time delayed overcurrent protection "L" I_R | Operating current of the instantaneous short-circuit protection "T" I_i | S function, short-circuit protection (short-time delayed) S | Ground-fault protection "G" I_g | SD | I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview". | (N) | | | |
|------|------------------------|---|---|---|--------------------------------------|----|---|----------------------|-------------------|----|----|
| | A | A | A | A | A | d | Article No. Article No. supplement, see page 2/58; www.siemens.com/product?Article No. | Price, see page 2/34 | PU (UNIT, SET, M) | PS | PG |

3-pole, fixed-mounted, for line 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, fixed 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 function (G) can be switched off.

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

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 | $11 \times I_n$ $11 \times I_n$ | $1.5 \dots 10 \times I_R$ $1.5 \dots 10 \times I_R$ | $0.6 \dots 1 \times I_n$, OFF $0.6 \dots 1 \times I_n$, OFF | 3VL4731-1 3VL4740-1 | 1 1 | 1 unit 1 unit | 1CC 1CC |
| 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 | 1 | 1 unit | 1CC |
| 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 | 1 | 1 unit | 1CC |
| VL1250/3VL7 | 1000 1250 | 400 ... 1000 500 ... 1250 | $11 \times I_n$ $11 \times I_n$ | $1.5 \dots 10 \times I_R$ $1.5 \dots 10 \times I_R$ | $0.6 \dots 1 \times I_n$, OFF $0.6 \dots 1 \times I_n$, OFF | 3VL7710-1 3VL7712-1 | 1 1 | 1 unit 1 unit | 1CC 1CC |
| 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 | 1 | 1 unit | 1CC |

- 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 2/93.
- For more information, see also chapter "Measuring Devices and Power Monitoring" and chapter "Software".



Product discontinuation

Molded Case Circuit Breakers

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

3-pole

2

| SD | I_{cu} up to 70 kA at 415 V, high breaking capacity H | (H) | SD | I_{cu} up to 100 kA at 415 V, very high breaking capacity L | (L) |
|----|---|----------------------|-------------------|---|-----|
| d | Article No. Article No. supplement, see page 2/58; www.siemens.com/product?Article No. | Price, see page 2/34 | PU (UNIT, SET, M) | PS | PG |

| | | | | | | | |
|--------------------|---|--------|-----|--------------------|---|--------|-----|
| 3VL2706-2□□3□-□□□□ | 1 | 1 unit | 1CC | 3VL2706-3□□3□-□□□□ | 1 | 1 unit | 1CC |
| 3VL2710-2□□3□-□□□□ | 1 | 1 unit | 1CC | 3VL2710-3□□3□-□□□□ | 1 | 1 unit | 1CC |
| 3VL2716-2□□3□-□□□□ | 1 | 1 unit | 1CC | 3VL2716-3□□3□-□□□□ | 1 | 1 unit | 1CC |
| 3VL3720-2□□3□-□□□□ | 1 | 1 unit | 1CC | 3VL3720-3□□3□-□□□□ | 1 | 1 unit | 1CC |
| 3VL3725-2□□3□-□□□□ | 1 | 1 unit | 1CC | 3VL3725-3□□3□-□□□□ | 1 | 1 unit | 1CC |

3
6

3
6

| | | | | | | | |
|--------------------|---|--------|-----|--------------------|---|--------|-----|
| 3VL4731-2□□36-□□□□ | 1 | 1 unit | 1CC | 3VL4731-3□□36-□□□□ | 1 | 1 unit | 1CC |
| 3VL4740-2□□36-□□□□ | 1 | 1 unit | 1CC | 3VL4740-3□□36-□□□□ | 1 | 1 unit | 1CC |
| 3VL5763-2□□36-□□□□ | 1 | 1 unit | 1CC | 3VL5763-3□□36-□□□□ | 1 | 1 unit | 1CC |
| 3VL6780-2□□36-□□□□ | 1 | 1 unit | 1CC | 3VL6780-3□□36-□□□□ | 1 | 1 unit | 1CC |
| 3VL7710-2□□36-□□□□ | 1 | 1 unit | 1CC | 3VL7710-3□□36-□□□□ | 1 | 1 unit | 1CC |
| 3VL7712-2□□36-□□□□ | 1 | 1 unit | 1CC | 3VL7712-3□□36-□□□□ | 1 | 1 unit | 1CC |
| 3VL8716-2□□30-□□□□ | 1 | 1 unit | 1CC | 3VL8716-3□□30-□□□□ | 1 | 1 unit | 1CC |

SG
MG

SG
MG



Molded Case Circuit Breakers

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

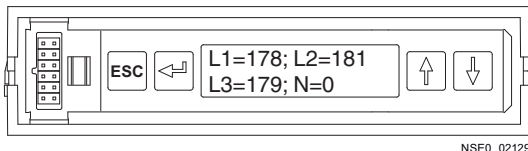
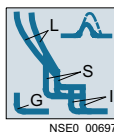
Product discontinuation

3-pole

2

| Type | Rated current I_n | Current setting of the inverse-time delayed overcurrent protection "L" I_R | Operating current of the instantaneous short-circuit protection "I" I_i | S function, short-circuit protection (short-time delayed) S | Ground-fault protection "G" I_g | SD | I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview" | (N) | | | |
|------|------------------------|---|--|---|--------------------------------------|----|---|--------------------|-------------------|----|----|
| | A | A | A | A | A | d | Article No. Article No. supplement, see page 2/58; www.siemens.com/product?Article No. | Basic price per PU | PU (UNIT, SET, M) | PS | PG |

3-pole, fixed-mounted, for line 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

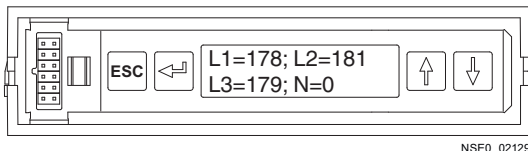
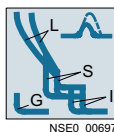
| | | | | | | | | | |
|------------|-----|-------------|-----------------|---------------------------|--------------------------|---------------------------|---|--------|-----|
| VL160/3VL2 | 63 | 25 ... 63 | $11 \times I_n$ | $1.5 \dots 10 \times I_R$ | $0.4 \dots 1 \times I_n$ | 3VL2706-1UL30-□□□□ | 1 | 1 unit | 1CC |
| | 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 | 1CC |
| | 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 | 1CC |
| 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 | 1CC |
| | 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 | 1CC |

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 | 1CC |
| | 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 | 1CC |
| 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 | 1CC |
| 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 | 1CC |
| 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 | 1CC |
| | 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 | 1CC |
| 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 | 1CC |



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

With adjustable overcurrent releases, adjustable short-circuit releases. External current transformers required in addition, see page 2/92. 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 | 1CC |
| | 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 | 1CC |
| | 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 | 1CC |
| 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 | 1CC |
| | 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 | 1CC |

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 | 1CC |
| | 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 | 1CC |
| 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 | 1CC |
| 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 | 1CC |
| 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 | 1CC |
| | 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 | 1CC |
| 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 | 1CC |

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.



Product discontinuation

Molded Case Circuit Breakers

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

3-pole

2

| SD | I_{cu} up to 70 kA at 415 V, high breaking capacity H | | | | | (H) | SD | I_{cu} up to 100 kA at 415 V, very high breaking capacity L | | | | | (L) |
|----|---|--------------------|-------------------|----|----|-----|---|---|-------------------|----|----|--|-----|
| d | Article No. | Basic price per PU | PU (UNIT, SET, M) | PS | PG | d | Article No. | Basic price per PU | PU (UNIT, SET, M) | PS | PG | | |
| | Article No. supplement, see page 2/58; www.siemens.com/product?Article No. | | | | | | Article No. supplement, see page 2/58; www.siemens.com/product?Article No. | | | | | | |

| | | | | | | | | | | | |
|--------------------|---|--------|-----|--|--|--------------------|---|--------|-----|--|--|
| 3VL2706-2UL3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2706-3UL3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2710-2UL3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2710-3UL3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2716-2UL3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2716-3UL3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3720-2UL3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3720-3UL3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3725-2UL3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3725-3UL3□-□□□□ | 1 | 1 unit | 1CC | | |

3
63
6

| | | | | | | | | | | | |
|--------------------|---|--------|-----|--|--|--------------------|---|--------|-----|--|--|
| 3VL4731-2UL36-□□□□ | 1 | 1 unit | 1CC | | | 3VL4731-3UL36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL4740-2UL36-□□□□ | 1 | 1 unit | 1CC | | | 3VL4740-3UL36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5763-2UL36-□□□□ | 1 | 1 unit | 1CC | | | 3VL5763-3UL36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL6780-2UL36-□□□□ | 1 | 1 unit | 1CC | | | 3VL6780-3UL36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL7710-2UL36-□□□□ | 1 | 1 unit | 1CC | | | 3VL7710-3UL36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL7712-2UL36-□□□□ | 1 | 1 unit | 1CC | | | 3VL7712-3UL36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL8716-2UL30-□□□□ | 1 | 1 unit | 1CC | | | 3VL8716-3UL30-□□□□ | 1 | 1 unit | 1CC | | |

| | | | | | | | | | | | |
|--------------------|---|--------|-----|--|--|--------------------|---|--------|-----|--|--|
| 3VL2706-2UM3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2706-3UM3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2710-2UM3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2710-3UM3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2716-2UM3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2716-3UM3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3720-2UM3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3720-3UM3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3725-2UM3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3725-3UM3□-□□□□ | 1 | 1 unit | 1CC | | |

3
63
6

| | | | | | | | | | | | |
|--------------------|---|--------|-----|--|--|--------------------|---|--------|-----|--|--|
| 3VL4731-2UM36-□□□□ | 1 | 1 unit | 1CC | | | 3VL4731-3UM36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL4740-2UM36-□□□□ | 1 | 1 unit | 1CC | | | 3VL4740-3UM36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5763-2UM36-□□□□ | 1 | 1 unit | 1CC | | | 3VL5763-3UM36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL6780-2UM36-□□□□ | 1 | 1 unit | 1CC | | | 3VL6780-3UM36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL7710-2UM36-□□□□ | 1 | 1 unit | 1CC | | | 3VL7710-3UM36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL7712-2UM36-□□□□ | 1 | 1 unit | 1CC | | | 3VL7712-3UM36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL8716-2UM30-□□□□ | 1 | 1 unit | 1CC | | | 3VL8716-3UM30-□□□□ | 1 | 1 unit | 1CC | | |



Molded Case Circuit Breakers

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

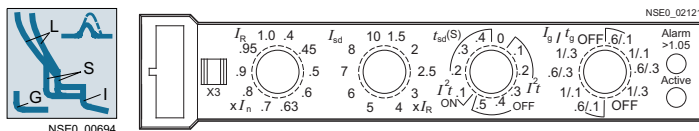
Product discontinuation

3-pole

2

| Type | Rated current I_n | Current setting of the inverse-time delayed overcurrent protection "L" I_R | Operating current of the instantaneous short-circuit protection "I" I_i | S function, short-circuit protection (short-time delayed) S | Ground-fault protection "G" I_g | SD | I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview" | (N) | | | |
|------|------------------------|---|--|--|--------------------------------------|----|---|----------------------|-------------------|----|----|
| | A | A | A | A | A | d | Article No. Article No. supplement, see page 2/58; www.siemens.com/product?Article No. | Price, see page 2/34 | PU (UNIT, SET, M) | PS | PG |

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



ETU2, LSIG function for 4-wire three-phase systems and time-based discrimination

With adjustable overcurrent releases, fixed short-circuit releases, external current transformers required in addition, see page 2/92. Ground-fault delay $t_{gd} = 0.1 \dots 0.3$ s, short-circuit delay $t_{sd} = 0 \dots 0.5$ s, ground fault function (G) can be switched off.

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

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 ... 10 | $10 \times I_R$ | 0.6 ... 1 | $1 \times I_n$, OFF | 3VL4731-1 □□36-□□□□ | 1 | 1 unit | 1CC |
| | 400 | 160 ... 400 | $11 \times I_n$ | 1.5 ... 10 | $10 \times I_R$ | 0.6 ... 1 | $1 \times I_n$, OFF | 3VL4740-1 □□36-□□□□ | 1 | 1 unit | 1CC |
| VL630/3VL5 | 630 | 252 ... 630 | $10 \times I_n$ | 1.5 ... 9 | $9 \times I_R$ | 0.6 ... 1 | $1 \times I_n$, OFF | 3VL5763-1 □□36-□□□□ | 1 | 1 unit | 1CC |
| VL800/3VL6 | 800 | 320 ... 800 | $8 \times I_n$ | 1.5 ... 7 | $7 \times I_R$ | 0.6 ... 1 | $1 \times I_n$, OFF | 3VL6780-1 □□36-□□□□ | 1 | 1 unit | 1CC |
| VL1250/3VL7 | 1000 | 400 ... 1000 | $11 \times I_n$ | 1.5 ... 10 | $10 \times I_R$ | 0.6 ... 1 | $1 \times I_n$, OFF | 3VL7710-1 □□36-□□□□ | 1 | 1 unit | 1CC |
| | 1250 | 500 ... 1250 | $11 \times I_n$ | 1.5 ... 10 | $10 \times I_R$ | 0.6 ... 1 | $1 \times I_n$, OFF | 3VL7712-1 □□36-□□□□ | 1 | 1 unit | 1CC |
| VL1600/3VL8 ²⁾ | 1600 | 640 ... 1600 | $9 \times I_n$ | 1.5 ... 8 | $8 \times I_R$ | 0.6 ... 1 | $1 \times I_n$, OFF | 3VL8716-1 □□30-□□□□ | 1 | 1 unit | 1CC |

- 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 2/93.
- For more information, see also chapter "Measuring Devices and Power Monitoring" and chapter "Software".



Product discontinuation

Molded Case Circuit Breakers

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

3-pole

2

| SD | I_{cu} up to 70 kA at 415 V, high breaking capacity H | (H) | SD | I_{cu} up to 100 kA at 415 V, very high breaking capacity L | (L) | | | | | |
|----|---|-------------------------|-------------------------|---|-----|---|-------------------------|-------------------------|----|----|
| d | Article No. Article No. supplement, see page 2/58; www.siemens.com/ product?Article.No. | Price, see page 2/34 | PU (UNIT, SET, M) | PS | PG | Article No. Article No. supplement, see page 2/58; www.siemens.com/ product?Article.No. | Price, see page 2/34 | PU (UNIT, SET, M) | PS | PG |

| | | | | | | | |
|---------------------------|---|--------|-----|---------------------------|---|--------|-----|
| 3VL2706-2□□3□-□□□□ | 1 | 1 unit | 1CC | 3VL2706-3□□3□-□□□□ | 1 | 1 unit | 1CC |
| 3VL2710-2□□3□-□□□□ | 1 | 1 unit | 1CC | 3VL2710-3□□3□-□□□□ | 1 | 1 unit | 1CC |
| 3VL2716-2□□3□-□□□□ | 1 | 1 unit | 1CC | 3VL2716-3□□3□-□□□□ | 1 | 1 unit | 1CC |
| 3VL3720-2□□3□-□□□□ | 1 | 1 unit | 1CC | 3VL3720-3□□3□-□□□□ | 1 | 1 unit | 1CC |
| 3VL3725-2□□3□-□□□□ | 1 | 1 unit | 1CC | 3VL3725-3□□3□-□□□□ | 1 | 1 unit | 1CC |
| 3 6 | | | | 3 6 | | | |
| 3VL4731-2□□36-□□□□ | 1 | 1 unit | 1CC | 3VL4731-3□□36-□□□□ | 1 | 1 unit | 1CC |
| 3VL4740-2□□36-□□□□ | 1 | 1 unit | 1CC | 3VL4740-3□□36-□□□□ | 1 | 1 unit | 1CC |
| 3VL5763-2□□36-□□□□ | 1 | 1 unit | 1CC | 3VL5763-3□□36-□□□□ | 1 | 1 unit | 1CC |
| 3VL6780-2□□36-□□□□ | 1 | 1 unit | 1CC | 3VL6780-3□□36-□□□□ | 1 | 1 unit | 1CC |
| 3VL7710-2□□36-□□□□ | 1 | 1 unit | 1CC | 3VL7710-3□□36-□□□□ | 1 | 1 unit | 1CC |
| 3VL7712-2□□36-□□□□ | 1 | 1 unit | 1CC | 3VL7712-3□□36-□□□□ | 1 | 1 unit | 1CC |
| 3VL8716-2□□30-□□□□ | 1 | 1 unit | 1CC | 3VL8716-3□□30-□□□□ | 1 | 1 unit | 1CC |
| SH MH | | | | SH MH | | | |



Molded Case Circuit Breakers

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

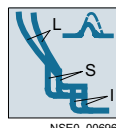
Product discontinuation

3-pole

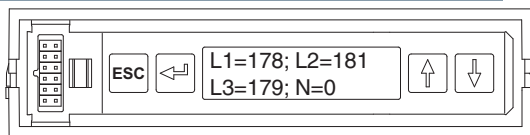
2

| Type | Rated current I_n | Current setting of the inverse-time delayed overcurrent protection "L" I_R | Operating current of the instantaneous short-circuit protection "I" I_i | S function, short-circuit protection (short-time delayed) S | SD | I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview". | | | | |
|------|------------------------|---|--|---|----|---|--------------------|-------------------|----|----|
| | A | A | A | A | d | Article No. Article No. supplement, see page 2/58; www.siemens.com/product?Article No. | Basic price per PU | PU (UNIT, SET, M) | PS | PG |

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



NSE0_00696



NSE0_02129

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 ... $11 \times I_n$ | 1.5 ... $10 \times I_R$ | 3VL2706-1UH3 □-□□□□ | 1 | 1 unit | 1CC |
| | 100 | 40 ... 100 | 1.25 ... $11 \times I_n$ | 1.5 ... $10 \times I_R$ | 3VL2710-1UH3 □-□□□□ | 1 | 1 unit | 1CC |
| | 160 | 64 ... 160 | 1.25 ... $11 \times I_n$ | 1.5 ... $10 \times I_R$ | 3VL2716-1UH3 □-□□□□ | 1 | 1 unit | 1CC |
| VL250/3VL3 | 200 | 80 ... 200 | 1.25 ... $11 \times I_n$ | 1.5 ... $10 \times I_R$ | 3VL3720-1UH3 □-□□□□ | 1 | 1 unit | 1CC |
| | 250 | 100 ... 250 | 1.25 ... $11 \times I_n$ | 1.5 ... $10 \times I_R$ | 3VL3725-1UH3 □-□□□□ | 1 | 1 unit | 1CC |

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 ... $11 \times I_n$ | 1.5 ... $10 \times I_R$ | 3VL4731-1UH36 -□□□□ | 1 | 1 unit | 1CC |
| | 400 | 160 ... 400 | 1.25 ... $11 \times I_n$ | 1.5 ... $10 \times I_R$ | 3VL4740-1UH36 -□□□□ | 1 | 1 unit | 1CC |
| VL630/3VL5 | 630 | 252 ... 630 | 1.25 ... $10 \times I_n$ | 1.5 ... $9 \times I_R$ | 3VL5763-1UH36 -□□□□ | 1 | 1 unit | 1CC |
| VL800/3VL6 | 800 | 320 ... 800 | 1.25 ... $8 \times I_n$ | 1.5 ... $7 \times I_R$ | 3VL6780-1UH36 -□□□□ | 1 | 1 unit | 1CC |
| VL1250/3VL7 | 1000 | 400 ... 1000 | 1.25 ... $11 \times I_n$ | 1.5 ... $10 \times I_R$ | 3VL7710-1UH36 -□□□□ | 1 | 1 unit | 1CC |
| | 1250 | 500 ... 1250 | 1.25 ... $11 \times I_n$ | 1.5 ... $10 \times I_R$ | 3VL7712-1UH36 -□□□□ | 1 | 1 unit | 1CC |
| VL1600/3VL8 ²⁾ | 1600 | 640 ... 1600 | 1.25 ... $9 \times I_n$ | 1.5 ... $8 \times I_R$ | 3VL8716-1UH30 -□□□□ | 1 | 1 unit | 1CC |

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.



Product discontinuation

Molded Case Circuit Breakers

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

3-pole

2

| SD | I_{cu} up to 70 kA at 415 V, high breaking capacity H | (H) | SD | I_{cu} up to 100 kA at 415 V, very high breaking capacity L | (L) | | | | | | |
|----|---|--------------------|-------------------|---|-----|---|---|--------------------|-------------------|----|----|
| d | Article No. Article No. supplement, see page 2/58; www.siemens.com/product?Article No. | Basic price per PU | PU (UNIT, SET, M) | PS | PG | d | Article No. Article No. supplement, see page 2/58; www.siemens.com/product?Article No. | Basic price per PU | PU (UNIT, SET, M) | PS | PG |

| | | | | | | | |
|--------------------|---|--------|-----|--------------------|---|--------|-----|
| 3VL2706-2UH3□-□□□□ | 1 | 1 unit | 1CC | 3VL2706-3UH3□-□□□□ | 1 | 1 unit | 1CC |
| 3VL2710-2UH3□-□□□□ | 1 | 1 unit | 1CC | 3VL2710-3UH3□-□□□□ | 1 | 1 unit | 1CC |
| 3VL2716-2UH3□-□□□□ | 1 | 1 unit | 1CC | 3VL2716-3UH3□-□□□□ | 1 | 1 unit | 1CC |
| 3VL3720-2UH3□-□□□□ | 1 | 1 unit | 1CC | 3VL3720-3UH3□-□□□□ | 1 | 1 unit | 1CC |
| 3VL3725-2UH3□-□□□□ | 1 | 1 unit | 1CC | 3VL3725-3UH3□-□□□□ | 1 | 1 unit | 1CC |

3
6

3
6

| | | | | | | | |
|--------------------|---|--------|-----|--------------------|---|--------|-----|
| 3VL4731-2UH36-□□□□ | 1 | 1 unit | 1CC | 3VL4731-3UH36-□□□□ | 1 | 1 unit | 1CC |
| 3VL4740-2UH36-□□□□ | 1 | 1 unit | 1CC | 3VL4740-3UH36-□□□□ | 1 | 1 unit | 1CC |
| 3VL5763-2UH36-□□□□ | 1 | 1 unit | 1CC | 3VL5763-3UH36-□□□□ | 1 | 1 unit | 1CC |
| 3VL6780-2UH36-□□□□ | 1 | 1 unit | 1CC | 3VL6780-3UH36-□□□□ | 1 | 1 unit | 1CC |
| 3VL7710-2UH36-□□□□ | 1 | 1 unit | 1CC | 3VL7710-3UH36-□□□□ | 1 | 1 unit | 1CC |
| 3VL7712-2UH36-□□□□ | 1 | 1 unit | 1CC | 3VL7712-3UH36-□□□□ | 1 | 1 unit | 1CC |
| 3VL8716-2UH30-□□□□ | 1 | 1 unit | 1CC | 3VL8716-3UH30-□□□□ | 1 | 1 unit | 1CC |



Molded Case Circuit Breakers

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

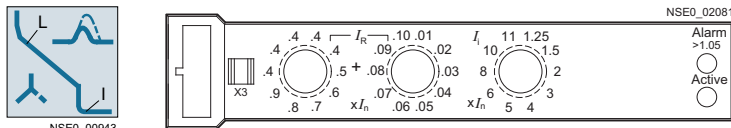
Product discontinuation

3-pole

2

| Type | Rated current I_n | Current setting of the inverse-time delayed overcurrent protection "L" I_R | Operating current of the instantaneous short-circuit protection "I" I_i | SD | I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview". | (N) | | | |
|------|------------------------|---|--|----|---|----------------------|-------------------|----|----|
| | A | A | A | d | Article No. Article No. supplement, see page 2/58; www.siemens.com/product?ArticleNo. | Price, see page 2/34 | PU (UNIT, SET, M) | PS | PG |

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



ETU10M, LI function¹⁾

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

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

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

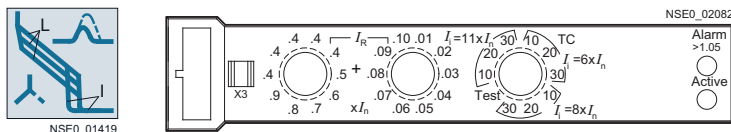
- Connection with box terminal
- Connection with screw terminal²⁾

3
6

| | | | | | | | |
|------------|-----|-------------|----------------------------|---------------------------|---|--------|-----|
| VL400/3VL4 | 315 | 125 ... 315 | 1.25 ... $11 \times I_n$ | 3VL4731-1□□36-□□□□ | 1 | 1 unit | 1CC |
| VL630/3VL5 | 500 | 200 ... 500 | 1.25 ... $12.5 \times I_n$ | 3VL5750-1□□36-□□□□ | 1 | 1 unit | 1CC |

- 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 | 63 100 160 | 25 ... 63 40 ... 100 64 ... 160 | $6/8/11 \times I_n$ $6/8/11 \times I_n$ $6/8/11 \times I_n$ | 3VL2706-1□□3□-□□□□ 3VL2710-1□□3□-□□□□ 3VL2716-1□□3□-□□□□ | 1 1 1 | 1 unit 1 unit 1 unit | 1CC 1CC 1CC |
| VL250/3VL3 | 200 250 | 80 ... 200 100 ... 250 | $6/8/11 \times I_n$ $6/8/11 \times I_n$ | 3VL3720-1□□3□-□□□□ 3VL3725-1□□3□-□□□□ | 1 1 | 1 unit 1 unit | 1CC 1CC |

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 | 1CC |
| VL630/3VL5 | 500 | 200 ... 500 | $6/8/12.5 \times I_n$ | 3VL5750-1□□36-□□□□ | 1 | 1 unit | 1CC |

- 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 2/93.
- For more information, see also chapter "Measuring Devices and Power Monitoring" and chapter "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 2/17.

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



Product discontinuation

Molded Case Circuit Breakers

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

3-pole

2

| SD | I_{cu} up to 70 kA at 415 V, high breaking capacity H | | | | | (H) | SD | I_{cu} up to 100 kA at 415 V, very high breaking capacity L | | | | | (L) |
|----|--|----------------------|-------------------|----|----|-----|--|---|-------------------|----|----|--|-----|
| d | Article No. | Price, see page 2/34 | PU (UNIT, SET, M) | PS | PG | d | Article No. | Price, see page 2/34 | PU (UNIT, SET, M) | PS | PG | | |
| | Article No. supplement, see page 2/58; | | | | | | Article No. supplement, see page 2/58; | | | | | | |
| | www.siemens.com/product?Article.No. | | | | | | www.siemens.com/product?Article.No. | | | | | | |

| | | | | | | | | | | | |
|--------------------|---|--------|-----|--|--|--------------------|---|--------|-----|--|--|
| 3VL2706-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2706-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2710-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2710-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2716-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2716-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3720-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3720-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3725-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3725-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |

3
6

3
6

| | | | | | | | | | | | |
|--------------------|---|--------|-----|--|--|--------------------|---|--------|-----|--|--|
| 3VL4731-2□□36-□□□□ | 1 | 1 unit | 1CC | | | 3VL4731-3□□36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5750-2□□36-□□□□ | 1 | 1 unit | 1CC | | | 3VL5750-3□□36-□□□□ | 1 | 1 unit | 1CC | | |

SP
MP

SP
MP

| | | | | | | | | | | | |
|--------------------|---|--------|-----|--|--|--------------------|---|--------|-----|--|--|
| 3VL2706-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2706-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2710-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2710-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2716-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2716-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3720-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3720-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3725-2□□3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3725-3□□3□-□□□□ | 1 | 1 unit | 1CC | | |

3
6

3
6

| | | | | | | | | | | | |
|--------------------|---|--------|-----|--|--|--------------------|---|--------|-----|--|--|
| 3VL4731-2□□36-□□□□ | 1 | 1 unit | 1CC | | | 3VL4731-3□□36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5750-2□□36-□□□□ | 1 | 1 unit | 1CC | | | 3VL5750-3□□36-□□□□ | 1 | 1 unit | 1CC | | |

SS
MS
LS

SS
MS
LS



Molded Case Circuit Breakers

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

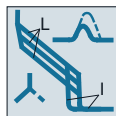
Product discontinuation

3-pole

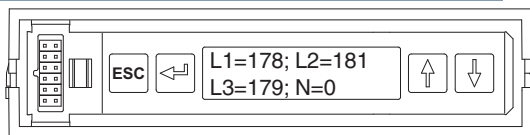
2

| Type | Rated current I_n | Current setting of the inverse-time delayed overcurrent protection "L" I_R | Operating current of the instantaneous short-circuit protection "I" I_i | SD | I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview". | | | | |
|------|------------------------|---|--|----|---|-----------------------|-------------------------|----|----|
| | A | A | A | d | Article No. Article No. supplement, see page 2/58; www.siemens.com/ product?Article No. | Basic price per PU | PU (UNIT, SET, M) | PS | PG |

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



NSE0_01419



NSE0_02129

LCD-ETU40M, LI function¹⁾

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

| | | | | | | | |
|------------|-----|-------------|---------------------|---------------------------|---|--------|-----|
| VL160/3VL2 | 63 | 25 ... 63 | 1.25 ... 11 × I_n | 3VL2706-1UP3□-□□□□ | 1 | 1 unit | 1CC |
| | 100 | 40 ... 100 | 1.25 ... 11 × I_n | 3VL2710-1UP3□-□□□□ | 1 | 1 unit | 1CC |
| | 160 | 64 ... 160 | 1.25 ... 11 × I_n | 3VL2716-1UP3□-□□□□ | 1 | 1 unit | 1CC |
| VL250/3VL3 | 200 | 80 ... 200 | 1.25 ... 11 × I_n | 3VL3720-1UP3□-□□□□ | 1 | 1 unit | 1CC |
| | 250 | 100 ... 250 | 1.25 ... 11 × I_n | 3VL3725-1UP3□-□□□□ | 1 | 1 unit | 1CC |

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 ... 11 × I_n | 3VL4731-1UP36-□□□□ | 1 | 1 unit | 1CC |
| VL630/3VL5 | 500 | 250 ... 500 | 1.25 ... 12.5 × I_n | 3VL5750-1UP36-□□□□ | 1 | 1 unit | 1CC |

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 2/17.

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



Product discontinuation

Molded Case Circuit Breakers

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

3-pole

2

| SD | I_{cu} up to 70 kA at 415 V, high breaking capacity H | | | | | (H) | SD | I_{cu} up to 100 kA at 415 V, very high breaking capacity L | | | | | (L) |
|----|---|--------------------|-------------------|----|----|-----|---|---|-------------------|----|----|--|-----|
| d | Article No. | Basic price per PU | PU (UNIT, SET, M) | PS | PG | d | Article No. | Basic price per PU | PU (UNIT, SET, M) | PS | PG | | |
| | Article No. supplement, see page 2/58; | | | | | | Article No. supplement, see page 2/58; | | | | | | |
| | www.siemens.com/product?Article No. | | | | | | www.siemens.com/product?Article No. | | | | | | |

| | | | | | | | | | | | |
|---------------------------|---|--------|-----|--|--|---------------------------|---|--------|-----|--|--|
| 3VL2706-2UP3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2706-3UP3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2710-2UP3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2710-3UP3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2716-2UP3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2716-3UP3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3720-2UP3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3720-3UP3□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3725-2UP3□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3725-3UP3□-□□□□ | 1 | 1 unit | 1CC | | |
| ↑ | | | | | | ↑ | | | | | |
| 3 | | | | | | 3 | | | | | |
| 6 | | | | | | 6 | | | | | |
| 3VL4731-2UP36-□□□□ | 1 | 1 unit | 1CC | | | 3VL4731-3UP36-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5750-2UP36-□□□□ | 1 | 1 unit | 1CC | | | 3VL5750-3UP36-□□□□ | 1 | 1 unit | 1CC | | |



Molded Case Circuit Breakers

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

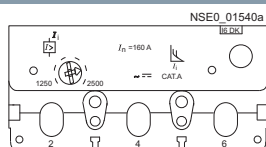
Product discontinuation

3-pole

2

| Type | Rated current I_n | Operating current of the instantaneous short-circuit protection "I" I_i | SD | I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview". | Article No. | Basic price per PU | PU (UNIT, SET, M) | PS | PG |
|------|------------------------|--|----|--|--|--------------------|-------------------|----|----|
| | A | A | d | | Article No. supplement, see page 2/58; www.siemens.com/product?Article No. | | | | |

3-pole, fixed-mounted, for starter protection, 63 A to 500 A, magnetic release I



Starter protection, M, I function¹⁾

Without thermal overcurrent release, with adjustable short-circuit release

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

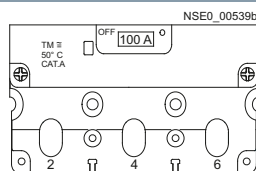
Connection type can be selected by assignment of the 12th position of the Article No.

- Connection with box terminal
- Connection with screw terminal²⁾

3
6

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

3-pole, fixed-mounted, for safe disconnection, 100 A to 1600 A, magnetic release I



Non-automatic molded case circuit breakers³⁾, I function

Without thermal overcurrent release, with fixed short-circuit release (for intrinsic protection only)

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

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 with 3VL1²⁾

3
6

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

For further versions, including for short-circuit and ground-fault protection, see pages 2/14 to 2/31.

- 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 2/8.
- When the circuit breaker with flat screw terminal is ordered, the basic price is reduced.
- See 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.



Product discontinuation

Molded Case Circuit Breakers

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

3-pole

2

| SD | I_{cu} up to 70 kA at 415 V, high breaking capacity H | (H) | SD | 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 | PG | Article No. | Basic price per PU | PU (UNIT, SET, M) | PS | PG |
| d | Article No. supplement, see page 2/58; www.siemens.com/ product?Article.No. | | | | d | Article No. supplement, see page 2/58; www.siemens.com/ product?Article.No. | | | |

| | | | | | | | |
|--------------------|---|--------|-----|--------------------|---|--------|-----|
| 3VL2706-2DK3□-□□□□ | 1 | 1 unit | 1CC | 3VL2706-3DK3□-□□□□ | 1 | 1 unit | 1CC |
| 3VL2710-2DK3□-□□□□ | 1 | 1 unit | 1CC | 3VL2710-3DK3□-□□□□ | 1 | 1 unit | 1CC |
| 3VL2716-2DK3□-□□□□ | 1 | 1 unit | 1CC | 3VL2716-3DK3□-□□□□ | 1 | 1 unit | 1CC |
| 3VL3725-2DK3□-□□□□ | 1 | 1 unit | 1CC | 3VL3725-3DK3□-□□□□ | 1 | 1 unit | 1CC |

3
63
6

| | | | | | | | |
|--------------------|---|--------|-----|--------------------|---|--------|-----|
| 3VL4720-2DK36-□□□□ | 1 | 1 unit | 1CC | 3VL4720-3DK36-□□□□ | 1 | 1 unit | 1CC |
| 3VL4725-2DK36-□□□□ | 1 | 1 unit | 1CC | 3VL4725-3DK36-□□□□ | 1 | 1 unit | 1CC |
| 3VL4731-2DK36-□□□□ | 1 | 1 unit | 1CC | 3VL4731-3DK36-□□□□ | 1 | 1 unit | 1CC |
| 3VL5731-2DK36-□□□□ | 1 | 1 unit | 1CC | 3VL5731-3DK36-□□□□ | 1 | 1 unit | 1CC |
| 3VL5750-2DK36-□□□□ | 1 | 1 unit | 1CC | 3VL5750-3DK36-□□□□ | 1 | 1 unit | 1CC |

| | | | | | | | |
|--------------------|---|--------|-----|--------------------|---|--------|-----|
| 3VL1710-2DE3□-□□□□ | 1 | 1 unit | 1CC | -- | | | |
| 3VL1716-2DE3□-□□□□ | 1 | 1 unit | 1CC | -- | | | |
| 3VL2710-2DE3□-□□□□ | 1 | 1 unit | 1CC | 3VL2710-3DE3□-□□□□ | 1 | 1 unit | 1CC |
| 3VL2716-2DE3□-□□□□ | 1 | 1 unit | 1CC | 3VL2716-3DE3□-□□□□ | 1 | 1 unit | 1CC |
| 3VL3725-2DE3□-□□□□ | 1 | 1 unit | 1CC | 3VL3725-3DE3□-□□□□ | 1 | 1 unit | 1CC |

3
63
6

| | | | | | | | |
|--------------------|---|--------|-----|--------------------|---|--------|-----|
| 3VL4740-2DE36-□□□□ | 1 | 1 unit | 1CC | 3VL4740-3DE36-□□□□ | 1 | 1 unit | 1CC |
| 3VL5763-2DE36-□□□□ | 1 | 1 unit | 1CC | 3VL5763-3DE36-□□□□ | 1 | 1 unit | 1CC |
| 3VL6780-2DE36-□□□□ | 1 | 1 unit | 1CC | 3VL6780-3DE36-□□□□ | 1 | 1 unit | 1CC |
| 3VL7712-2DE36-□□□□ | 1 | 1 unit | 1CC | 3VL7712-3DE36-□□□□ | 1 | 1 unit | 1CC |
| 3VL8716-2DE30-□□□□ | 1 | 1 unit | 1CC | 3VL8716-3DE30-□□□□ | 1 | 1 unit | 1CC |



Molded Case Circuit Breakers

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

Product discontinuation

3-pole

2

| Article No. supplement (for complete Article No., see pages 2/14 to 2/31) 3VL.7 ..- □□3-.... Trip unit | 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 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| ETU10 | MB | N H L | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| ETU10 | LB | N H L | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| ETU12 | SL | N H L | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| ETU12 | ML | N H L | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| ETU12 | SF | N H L | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| ETU12 | MF | N H L | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| ETU20 | SE | N H L | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| ETU20 | ME | N H L | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| ETU20 | LE | N H L | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| ETU22 | SG | N H L | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| ETU22 | MG | N H L | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| ETU42 | UL | N H L | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| ETU42 | UM | N H L | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| ETU22 | SH | N H L | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| ETU22 | MH | N H L | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| ETU40 | UH | N H L | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |

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



Product discontinuation

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 2/14 to 2/31) 3VL.7 ..-□□3-..... Trip unit | Breaking capacity | Type | VL160 ¹⁾ | | VL250 ¹⁾ | | VL400 | | VL630 | | VL800 | | VL1250 | | VL1600 | | |
|---|----------------------|---------------------|---------------------|-------|---------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|----|--|
| | | 3VL2 | 3VL3 | | 3VL4 | | 3VL5 | | 3VL6 | | 3VL7 | | 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 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | -- | ✓ | -- | -- | -- | -- | -- | -- | |
| ETU10M | MP | N H L | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | -- | ✓ | -- | -- | -- | -- | -- | -- | |
| ETU30M | SS | N H L | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | -- | ✓ | -- | -- | -- | -- | -- | -- | |
| ETU30M | MS | N H L | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | -- | ✓ | -- | -- | -- | -- | -- | -- | |
| ETU30M | LS | N H L | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | -- | ✓ | -- | -- | -- | -- | -- | -- | |
| ETU40M | UP | N H L | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | -- | ✓ | -- | -- | -- | -- | -- | -- | |

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

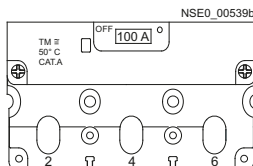
Product discontinuation

4-pole

Selection and ordering data

| Type | Rated current I_n | Current setting of the inverse-time delayed overcurrent protection "L" I_R | Operating current of the instantaneous short-circuit protection "I" I_i | SD | I_{cu} up to 55 kA at 415 V, standard breaking capacity N <i>See Overview.</i> | Article No. | Basic price per PU | PU (UNIT, SET, M) | PS | PG |
|------|------------------------|---|--|----|---|---|--------------------|-------------------|----|----|
| | A | A | A | d | | Article No. supplement, see page 2/58; www.siemens.com/product?Article No. | | | | |

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



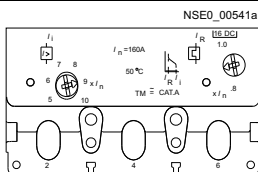
Line protection, TM, LI function

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

| | | | | | | | |
|-------------|-----|-----|------|---------------------------|---|--------|-----|
| VL160X/3VL1 | 16 | 16 | 300 | 3VL1796-1EH4□-□□□□ | 1 | 1 unit | 1CC |
| | 20 | 20 | 300 | 3VL1702-1EH4□-□□□□ | 1 | 1 unit | 1CC |
| | 25 | 25 | 300 | 3VL1725-1EH4□-□□□□ | 1 | 1 unit | 1CC |
| | 32 | 32 | 300 | 3VL1703-1EH4□-□□□□ | 1 | 1 unit | 1CC |
| | 40 | 40 | 600 | 3VL1704-1EH4□-□□□□ | 1 | 1 unit | 1CC |
| | 50 | 50 | 600 | 3VL1705-1EH4□-□□□□ | 1 | 1 unit | 1CC |
| | 63 | 63 | 600 | 3VL1706-1EH4□-□□□□ | 1 | 1 unit | 1CC |
| | 80 | 80 | 1000 | 3VL1708-1EH4□-□□□□ | 1 | 1 unit | 1CC |
| | 100 | 100 | 1000 | 3VL1710-1EH4□-□□□□ | 1 | 1 unit | 1CC |
| | 125 | 125 | 1000 | 3VL1712-1EH4□-□□□□ | 1 | 1 unit | 1CC |
| | 160 | 160 | 1500 | 3VL1716-1EH4□-□□□□ | 1 | 1 unit | 1CC |

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**



Line protection, TM, LI function

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

| | | | | | | | |
|------------|-----|-------------|---------------|---------------------------|---|--------|-----|
| VL160/3VL2 | 50 | 40 ... 50 | 300 ... 600 | 3VL2705-1EJ4□-□□□□ | 1 | 1 unit | 1CC |
| | 63 | 50 ... 63 | 300 ... 600 | 3VL2706-1EJ4□-□□□□ | 1 | 1 unit | 1CC |
| | 80 | 63 ... 80 | 400 ... 800 | 3VL2708-1EJ4□-□□□□ | 1 | 1 unit | 1CC |
| | 100 | 80 ... 100 | 500 ... 1000 | 3VL2710-1EJ4□-□□□□ | 1 | 1 unit | 1CC |
| | 125 | 100 ... 125 | 625 ... 1250 | 3VL2712-1EJ4□-□□□□ | 1 | 1 unit | 1CC |
| | 160 | 125 ... 160 | 800 ... 1600 | 3VL2716-1EJ4□-□□□□ | 1 | 1 unit | 1CC |
| VL250/3VL3 | 200 | 160 ... 200 | 1000 ... 2000 | 3VL3720-1EJ4□-□□□□ | 1 | 1 unit | 1CC |
| | 250 | 200 ... 250 | 1250 ... 2500 | 3VL3725-1EJ4□-□□□□ | 1 | 1 unit | 1CC |

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

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

| | | | | | | | |
|------------|-----|-------------|---------------|---------------------------|---|--------|-----|
| VL400/3VL4 | 200 | 160 ... 200 | 1000 ... 2000 | 3VL4720-1EJ46-□□□□ | 1 | 1 unit | 1CC |
| | 250 | 200 ... 250 | 1250 ... 2500 | 3VL4725-1EJ46-□□□□ | 1 | 1 unit | 1CC |
| | 315 | 250 ... 315 | 1575 ... 3150 | 3VL4731-1EJ46-□□□□ | 1 | 1 unit | 1CC |
| | 400 | 320 ... 400 | 2000 ... 4000 | 3VL4740-1EJ46-□□□□ | 1 | 1 unit | 1CC |
| VL630/3VL5 | 315 | 250 ... 315 | 1575 ... 3150 | 3VL5731-1EJ46-□□□□ | 1 | 1 unit | 1CC |
| | 400 | 320 ... 400 | 2000 ... 4000 | 3VL5740-1EJ46-□□□□ | 1 | 1 unit | 1CC |
| | 500 | 400 ... 500 | 2500 ... 5000 | 3VL5750-1EJ46-□□□□ | 1 | 1 unit | 1CC |
| | 630 | 500 ... 630 | 3150 ... 6300 | 3VL5763-1EJ46-□□□□ | 1 | 1 unit | 1CC |

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



Product discontinuation

Molded Case Circuit Breakers

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

4-pole

2

| SD | I_{cu} up to 70 kA at 415 V, high breaking capacity H | (H) | | | | SD | 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 | PG | | Article No. | Basic price per PU | PU (UNIT, SET, M) | PS | PG |
| d | Article No. supplement, see page 2/58; www.siemens.com/product?Article No. | | | | | d | Article No. supplement, see page 2/58; www.siemens.com/product?Article No. | | | | |

| | | | | | |
|--------------------|---|--------|-----|--|--|
| 3VL1796-2EH4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL1702-2EH4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL1725-2EH4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL1703-2EH4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL1704-2EH4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL1705-2EH4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL1706-2EH4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL1708-2EH4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL1710-2EH4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL1712-2EH4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL1716-2EH4□-□□□□ | 1 | 1 unit | 1CC | | |

| | | | | | |
|----|--|--|--|--|--|
| -- | | | | | |
| -- | | | | | |
| -- | | | | | |
| -- | | | | | |
| -- | | | | | |
| -- | | | | | |
| -- | | | | | |
| -- | | | | | |
| -- | | | | | |
| -- | | | | | |
| -- | | | | | |

3
6

| | | | | | |
|--------------------|---|--------|-----|--|--|
| 3VL2705-2EJ4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2706-2EJ4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2708-2EJ4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2710-2EJ4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2712-2EJ4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2716-2EJ4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3720-2EJ4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3725-2EJ4□-□□□□ | 1 | 1 unit | 1CC | | |

| | | | | | |
|--------------------|---|--------|-----|--|--|
| 3VL2705-3EJ4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2706-3EJ4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2708-3EJ4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2710-3EJ4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2712-3EJ4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2716-3EJ4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3720-3EJ4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3725-3EJ4□-□□□□ | 1 | 1 unit | 1CC | | |

3
63
6

| | | | | | |
|--------------------|---|--------|-----|--|--|
| 3VL4720-2EJ46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL4725-2EJ46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL4731-2EJ46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL4740-2EJ46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5731-2EJ46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5740-2EJ46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5750-2EJ46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5763-2EJ46-□□□□ | 1 | 1 unit | 1CC | | |

| | | | | | |
|--------------------|---|--------|-----|--|--|
| 3VL4720-3EJ46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL4725-3EJ46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL4731-3EJ46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL4740-3EJ46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5731-3EJ46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5740-3EJ46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5750-3EJ46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5763-3EJ46-□□□□ | 1 | 1 unit | 1CC | | |



Molded Case Circuit Breakers

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

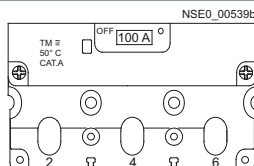
Product discontinuation

4-pole

2

| Type | Rated current I_n | Current setting of the inverse-time delayed overcurrent protection "L" I_R | Operating current of the instantaneous short-circuit protection "I" I_i | SD | I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview". | | | | |
|------|------------------------|---|--|----|---|--------------------|-------------------|----|----|
| | A | A | A | d | Article No. Article No. supplement, see page 2/58; www.siemens.com/product?ArticleNo | Basic price per PU | PU (UNIT, SET, M) | PS | PG |
| | | | | | | | | | |

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



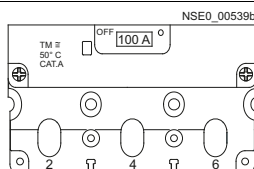
Line protection, TM, LIN function

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

| VL160X/3VL1 | Rated current I_n | Overcurrent setting I_R | Instantaneous setting I_i | Article No. | Basic price per PU | PU (UNIT, SET, M) | PS | PG |
|-------------|---------------------|---------------------------|-----------------------------|--------------------|--------------------|-------------------|--------|-----|
| | 16 | 16 | 300 | 3VL1796-1EA4□-□□□□ | | 1 | 1 unit | 1CC |
| | 20 | 20 | 300 | 3VL1702-1EA4□-□□□□ | | 1 | 1 unit | 1CC |
| | 25 | 25 | 300 | 3VL1725-1EA4□-□□□□ | | 1 | 1 unit | 1CC |
| | 32 | 32 | 300 | 3VL1703-1EA4□-□□□□ | | 1 | 1 unit | 1CC |
| | 40 | 40 | 600 | 3VL1704-1EA4□-□□□□ | | 1 | 1 unit | 1CC |
| | 50 | 50 | 600 | 3VL1705-1EA4□-□□□□ | | 1 | 1 unit | 1CC |
| | 63 | 63 | 600 | 3VL1706-1EA4□-□□□□ | | 1 | 1 unit | 1CC |
| | 80 | 80 | 1000 | 3VL1708-1EA4□-□□□□ | | 1 | 1 unit | 1CC |
| | 100 | 100 | 1000 | 3VL1710-1EA4□-□□□□ | | 1 | 1 unit | 1CC |
| | 125 | 125 | 1000 | 3VL1712-1EL4□-□□□□ | | 1 | 1 unit | 1CC |
| | 160 | 160 | 1500 | 3VL1716-1EL4□-□□□□ | | 1 | 1 unit | 1CC |

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**



Line protection, TM, LIN function

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

| VL160X/3VL1 | Rated current I_n | Overcurrent setting I_R | Instantaneous setting I_i | Article No. | Basic price per PU | PU (UNIT, SET, M) | PS | PG |
|-------------|---------------------|---------------------------|-----------------------------|--------------------|--------------------|-------------------|--------|-----|
| | 125 | 125 | 1000 | 3VL1712-1EA4□-□□□□ | | 1 | 1 unit | 1CC |
| | 160 | 160 | 1500 | 3VL1716-1EA4□-□□□□ | | 1 | 1 unit | 1CC |

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.



Product discontinuation

Molded Case Circuit Breakers

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

4-pole

2

| SD | I_{cu} up to 70 kA at 415 V, high breaking capacity H | | | | | (H) | SD | 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 | PG | | | Article No. | Basic price per PU | PU (UNIT, SET, M) | PS | PG | |
| d | www.siemens.com/product?Article No. | | | | | | d | www.siemens.com/product?Article No. | | | | | |

| | | | | |
|--------------------|---|--------|-----|----|
| 3VL1796-2EA4□-□□□□ | 1 | 1 unit | 1CC | -- |
| 3VL1702-2EA4□-□□□□ | 1 | 1 unit | 1CC | -- |
| 3VL1725-2EA4□-□□□□ | 1 | 1 unit | 1CC | -- |
| 3VL1703-2EA4□-□□□□ | 1 | 1 unit | 1CC | -- |
| 3VL1704-2EA4□-□□□□ | 1 | 1 unit | 1CC | -- |
| 3VL1705-2EA4□-□□□□ | 1 | 1 unit | 1CC | -- |
| 3VL1706-2EA4□-□□□□ | 1 | 1 unit | 1CC | -- |
| 3VL1708-2EA4□-□□□□ | 1 | 1 unit | 1CC | -- |
| 3VL1710-2EA4□-□□□□ | 1 | 1 unit | 1CC | -- |
| 3VL1712-2EL4□-□□□□ | 1 | 1 unit | 1CC | -- |
| 3VL1716-2EL4□-□□□□ | 1 | 1 unit | 1CC | -- |

3
6

| | | | | |
|--------------------|---|--------|-----|----|
| 3VL1712-2EA4□-□□□□ | 1 | 1 unit | 1CC | -- |
| 3VL1716-2EA4□-□□□□ | 1 | 1 unit | 1CC | -- |

3
6



Molded Case Circuit Breakers

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

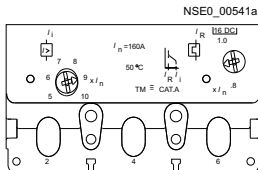
Product discontinuation

4-pole

2

| Type | Rated current I_n | Current setting of the inverse-time delayed overcurrent protection "L" I_R | Operating current of the instantaneous short-circuit protection "I" I_i | SD | I_{cu} up to 55 kA at 415 V, standard breaking capacity N <small>See "Overview".</small> | | | | | |
|------|------------------------|---|--|----|---|-----------------------|-------------------------|----|----|-----|
| | A | A | A | d | Article No. Article No. supplement, see page 2/58; www.siemens.com/ product?ArticleNo. | Basic price per PU | PU (UNIT, SET, M) | PS | PG | (N) |

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



Line protection, TM, LIN function

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

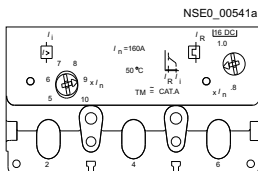
| | | | | | | | |
|------------|-----|-------------|---------------|--------------------|---|--------|-----|
| VL160/3VL2 | 50 | 40 ... 50 | 300 ... 600 | 3VL2705-1EM4□-□□□□ | 1 | 1 unit | 1CC |
| | 63 | 50 ... 63 | 300 ... 600 | 3VL2706-1EM4□-□□□□ | 1 | 1 unit | 1CC |
| | 80 | 63 ... 80 | 400 ... 800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

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 | 1CC |
| | 250 | 200 ... 250 | 1250 ... 2500 | 3VL4725-1EM46-□□□□ | 1 | 1 unit | 1CC |
| | 315 | 250 ... 315 | 1575 ... 3150 | 3VL4731-1EM46-□□□□ | 1 | 1 unit | 1CC |
| | 400 | 320 ... 400 | 2000 ... 4000 | 3VL4740-1EM46-□□□□ | 1 | 1 unit | 1CC |
| VL630/3VL5 | 315 | 250 ... 315 | 1575 ... 3150 | 3VL5731-1EM46-□□□□ | 1 | 1 unit | 1CC |
| | 400 | 320 ... 400 | 2000 ... 4000 | 3VL5740-1EM46-□□□□ | 1 | 1 unit | 1CC |
| | 500 | 400 ... 500 | 2500 ... 5000 | 3VL5750-1EM46-□□□□ | 1 | 1 unit | 1CC |
| | 630 | 500 ... 630 | 3150 ... 6300 | 3VL5763-1EM46-□□□□ | 1 | 1 unit | 1CC |



Line 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 | 1CC |
| | 160 | 125 ... 160 | 800 ... 1600 | 3VL2716-1EC4□-□□□□ | 1 | 1 unit | 1CC |
| VL250/3VL3 | 200 | 160 ... 200 | 1000 ... 2000 | 3VL3720-1EC4□-□□□□ | 1 | 1 unit | 1CC |
| | 250 | 200 ... 250 | 1250 ... 2500 | 3VL3725-1EC4□-□□□□ | 1 | 1 unit | 1CC |

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 | 1CC |
| | 250 | 200 ... 250 | 1250 ... 2500 | 3VL4725-1EC46-□□□□ | 1 | 1 unit | 1CC |
| | 315 | 250 ... 315 | 1575 ... 3150 | 3VL4731-1EC46-□□□□ | 1 | 1 unit | 1CC |
| | 400 | 320 ... 400 | 2000 ... 4000 | 3VL4740-1EC46-□□□□ | 1 | 1 unit | 1CC |
| VL630/3VL5 | 315 | 250 ... 315 | 1575 ... 3150 | 3VL5731-1EC46-□□□□ | 1 | 1 unit | 1CC |
| | 400 | 320 ... 400 | 2000 ... 4000 | 3VL5740-1EC46-□□□□ | 1 | 1 unit | 1CC |
| | 500 | 400 ... 500 | 2500 ... 5000 | 3VL5750-1EC46-□□□□ | 1 | 1 unit | 1CC |
| | 630 | 500 ... 630 | 3150 ... 6300 | 3VL5763-1EC46-□□□□ | 1 | 1 unit | 1CC |

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



Product discontinuation

Molded Case Circuit Breakers

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

4-pole

2

| SD | I_{cu} up to 70 kA at 415 V, high breaking capacity H | | | (H) | | SD | 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 | PG | | Article No. | Basic price per PU | PU (UNIT, SET, M) | PS | PG |
| d | Article No. supplement, see page 2/58; www.siemens.com/product?Article No. | | | | | d | Article No. supplement, see page 2/58; www.siemens.com/product?Article No. | | | | |

| | | | | | | | | | | | |
|--------------------|---|--------|-----|--|--|--------------------|---|--------|-----|--|--|
| 3VL2705-2EM4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2705-3EM4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2706-2EM4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2706-3EM4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2708-2EM4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2708-3EM4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2710-2EM4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2710-3EM4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2712-2EM4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2712-3EM4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2716-2EM4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2716-3EM4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3720-2EM4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3720-3EM4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3725-2EM4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3725-3EM4□-□□□□ | 1 | 1 unit | 1CC | | |

3
63
6

| | | | | | | | | | | | |
|--------------------|---|--------|-----|--|--|--------------------|---|--------|-----|--|--|
| 3VL4720-2EM46-□□□□ | 1 | 1 unit | 1CC | | | 3VL4720-3EM46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL4725-2EM46-□□□□ | 1 | 1 unit | 1CC | | | 3VL4725-3EM46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL4731-2EM46-□□□□ | 1 | 1 unit | 1CC | | | 3VL4731-3EM46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL4740-2EM46-□□□□ | 1 | 1 unit | 1CC | | | 3VL4740-3EM46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5731-2EM46-□□□□ | 1 | 1 unit | 1CC | | | 3VL5731-3EM46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5740-2EM46-□□□□ | 1 | 1 unit | 1CC | | | 3VL5740-3EM46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5750-2EM46-□□□□ | 1 | 1 unit | 1CC | | | 3VL5750-3EM46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5763-2EM46-□□□□ | 1 | 1 unit | 1CC | | | 3VL5763-3EM46-□□□□ | 1 | 1 unit | 1CC | | |

| | | | | | | | | | | | |
|--------------------|---|--------|-----|--|--|--------------------|---|--------|-----|--|--|
| 3VL2712-2EC4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2712-3EC4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2716-2EC4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2716-3EC4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3720-2EC4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3720-3EC4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3725-2EC4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3725-3EC4□-□□□□ | 1 | 1 unit | 1CC | | |

3
63
6

| | | | | | | | | | | | |
|--------------------|---|--------|-----|--|--|--------------------|---|--------|-----|--|--|
| 3VL4720-2EC46-□□□□ | 1 | 1 unit | 1CC | | | 3VL4720-3EC46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL4725-2EC46-□□□□ | 1 | 1 unit | 1CC | | | 3VL4725-3EC46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL4731-2EC46-□□□□ | 1 | 1 unit | 1CC | | | 3VL4731-3EC46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL4740-2EC46-□□□□ | 1 | 1 unit | 1CC | | | 3VL4740-3EC46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5731-2EC46-□□□□ | 1 | 1 unit | 1CC | | | 3VL5731-3EC46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5740-2EC46-□□□□ | 1 | 1 unit | 1CC | | | 3VL5740-3EC46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5750-2EC46-□□□□ | 1 | 1 unit | 1CC | | | 3VL5750-3EC46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5763-2EC46-□□□□ | 1 | 1 unit | 1CC | | | 3VL5763-3EC46-□□□□ | 1 | 1 unit | 1CC | | |



Molded Case Circuit Breakers

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

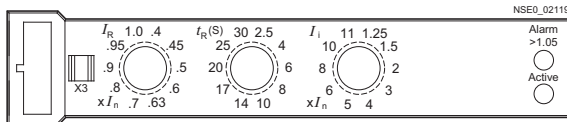
Product discontinuation

4-pole

2

| Type | Rated current I_n A | Current setting of the inverse-time delayed overcurrent protection "L" I_R A | Operating current of the instantaneous short-circuit protection "I" I_i A | SD d | I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview". Article No. Article No. supplement, see page 2/58; www.siemens.com/product?ArticleNo. | Price, see page 2/56 | PU (UNIT, SET, M) | PS | PG |
|------|-----------------------------|--|---|---------|---|----------------------|-------------------|----|----|
|------|-----------------------------|--|---|---------|---|----------------------|-------------------|----|----|

4-pole, fixed-mounted, for line protection, 63 A to 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 | 1CC |
| | 100 | 40 ... 100 | 1.25 ... 11 × I_n | 3VL2710-1□□4□-□□□□ | 1 | 1 unit | 1CC |
| | 160 | 64 ... 160 | 1.25 ... 11 × I_n | 3VL2716-1□□4□-□□□□ | 1 | 1 unit | 1CC |
| VL250/3VL3 | 200 | 80 ... 200 | 1.25 ... 11 × I_n | 3VL3720-1□□4□-□□□□ | 1 | 1 unit | 1CC |
| | 250 | 100 ... 250 | 1.25 ... 11 × I_n | 3VL3725-1□□4□-□□□□ | 1 | 1 unit | 1CC |

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

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

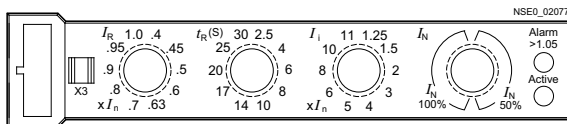
3
6

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

- Without communication preparation
- With communication preparation

TB
NB

4-pole, fixed-mounted, for line protection, 63 A to 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 | 1CC |
| | 100 | 40 ... 100 | 1.25 ... 11 × I_n | 3VL2710-1□□4□-□□□□ | 1 | 1 unit | 1CC |
| | 160 | 64 ... 160 | 1.25 ... 11 × I_n | 3VL2716-1□□4□-□□□□ | 1 | 1 unit | 1CC |
| VL250/3VL3 | 200 | 80 ... 200 | 1.25 ... 11 × I_n | 3VL3720-1□□4□-□□□□ | 1 | 1 unit | 1CC |
| | 250 | 100 ... 250 | 1.25 ... 11 × I_n | 3VL3725-1□□4□-□□□□ | 1 | 1 unit | 1CC |

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 | 1CC |
| | 400 | 160 ... 400 | 1.25 ... 11 × I_n | 3VL4740-1□□46-□□□□ | 1 | 1 unit | 1CC |
| VL630/3VL5 | 630 | 252 ... 630 | 1.25 ... 10 × I_n | 3VL5763-1□□46-□□□□ | 1 | 1 unit | 1CC |
| VL800/3VL6 | 800 | 320 ... 800 | 1.25 ... 8 × I_n | 3VL6780-1□□46-□□□□ | 1 | 1 unit | 1CC |
| VL1250/3VL7 | 1000 | 400 ... 1000 | 1.25 ... 11 × I_n | 3VL7710-1□□46-□□□□ | 1 | 1 unit | 1CC |
| | 1250 | 500 ... 1250 | 1.25 ... 11 × I_n | 3VL7712-1□□46-□□□□ | 1 | 1 unit | 1CC |
| VL1600/3VL8 ²⁾ | 1600 | 640 ... 1600 | 1.25 ... 9 × I_n | 3VL8716-1□□40-□□□□ | 1 | 1 unit | 1CC |

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

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.



Product discontinuation

Molded Case Circuit Breakers

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

4-pole

2

| SD | I_{cu} up to 70 kA at 415 V, high breaking capacity H | | | | | SD | I_{cu} up to 100 kA at 415 V, very high breaking capacity L | | | | |
|----|--|----------------------|-------------------|----|----|----|--|----------------------|-------------------|----|----|
| | Article No. | Price, see page 2/56 | PU (UNIT, SET, M) | PS | PG | | Article No. | Price, see page 2/56 | PU (UNIT, SET, M) | PS | PG |
| d | www.siemens.com/product?Article.No. | | | | | d | www.siemens.com/product?Article.No. | | | | |

| | | | | | | | |
|--------------------|---|--------|-----|--------------------|---|--------|-----|
| 3VL2706-2□□4□-□□□□ | 1 | 1 unit | 1CC | 3VL2706-3□□4□-□□□□ | 1 | 1 unit | 1CC |
| 3VL2710-2□□4□-□□□□ | 1 | 1 unit | 1CC | 3VL2710-3□□4□-□□□□ | 1 | 1 unit | 1CC |
| 3VL2716-2□□4□-□□□□ | 1 | 1 unit | 1CC | 3VL2716-3□□4□-□□□□ | 1 | 1 unit | 1CC |
| 3VL3720-2□□4□-□□□□ | 1 | 1 unit | 1CC | 3VL3720-3□□4□-□□□□ | 1 | 1 unit | 1CC |
| 3VL3725-2□□4□-□□□□ | 1 | 1 unit | 1CC | 3VL3725-3□□4□-□□□□ | 1 | 1 unit | 1CC |

3
6

3
6

| | | | | | | | |
|--------------------|---|--------|-----|--------------------|---|--------|-----|
| 3VL4731-2□□46-□□□□ | 1 | 1 unit | 1CC | 3VL4731-3□□46-□□□□ | 1 | 1 unit | 1CC |
| 3VL4740-2□□46-□□□□ | 1 | 1 unit | 1CC | 3VL4740-3□□46-□□□□ | 1 | 1 unit | 1CC |
| 3VL5763-2□□46-□□□□ | 1 | 1 unit | 1CC | 3VL5763-3□□46-□□□□ | 1 | 1 unit | 1CC |
| 3VL6780-2□□46-□□□□ | 1 | 1 unit | 1CC | 3VL6780-3□□46-□□□□ | 1 | 1 unit | 1CC |
| 3VL7710-2□□46-□□□□ | 1 | 1 unit | 1CC | 3VL7710-3□□46-□□□□ | 1 | 1 unit | 1CC |
| 3VL7712-2□□46-□□□□ | 1 | 1 unit | 1CC | 3VL7712-3□□46-□□□□ | 1 | 1 unit | 1CC |
| 3VL8716-2□□40-□□□□ | 1 | 1 unit | 1CC | 3VL8716-3□□40-□□□□ | 1 | 1 unit | 1CC |

TB
NB

TB
NB

| | | | | | | | |
|--------------------|---|--------|-----|--------------------|---|--------|-----|
| 3VL2706-2□□4□-□□□□ | 1 | 1 unit | 1CC | 3VL2706-3□□4□-□□□□ | 1 | 1 unit | 1CC |
| 3VL2710-2□□4□-□□□□ | 1 | 1 unit | 1CC | 3VL2710-3□□4□-□□□□ | 1 | 1 unit | 1CC |
| 3VL2716-2□□4□-□□□□ | 1 | 1 unit | 1CC | 3VL2716-3□□4□-□□□□ | 1 | 1 unit | 1CC |
| 3VL3720-2□□4□-□□□□ | 1 | 1 unit | 1CC | 3VL3720-3□□4□-□□□□ | 1 | 1 unit | 1CC |
| 3VL3725-2□□4□-□□□□ | 1 | 1 unit | 1CC | 3VL3725-3□□4□-□□□□ | 1 | 1 unit | 1CC |

3
6

3
6

| | | | | | | | |
|--------------------|---|--------|-----|--------------------|---|--------|-----|
| 3VL4731-2□□46-□□□□ | 1 | 1 unit | 1CC | 3VL4731-3□□46-□□□□ | 1 | 1 unit | 1CC |
| 3VL4740-2□□46-□□□□ | 1 | 1 unit | 1CC | 3VL4740-3□□46-□□□□ | 1 | 1 unit | 1CC |
| 3VL5763-2□□46-□□□□ | 1 | 1 unit | 1CC | 3VL5763-3□□46-□□□□ | 1 | 1 unit | 1CC |
| 3VL6780-2□□46-□□□□ | 1 | 1 unit | 1CC | 3VL6780-3□□46-□□□□ | 1 | 1 unit | 1CC |
| 3VL7710-2□□46-□□□□ | 1 | 1 unit | 1CC | 3VL7710-3□□46-□□□□ | 1 | 1 unit | 1CC |
| 3VL7712-2□□46-□□□□ | 1 | 1 unit | 1CC | 3VL7712-3□□46-□□□□ | 1 | 1 unit | 1CC |
| 3VL8716-2□□40-□□□□ | 1 | 1 unit | 1CC | 3VL8716-3□□40-□□□□ | 1 | 1 unit | 1CC |

TA
NA
LA

TA
NA
LA

Communication:

- For accessories, see page 2/93.

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



Molded Case Circuit Breakers

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

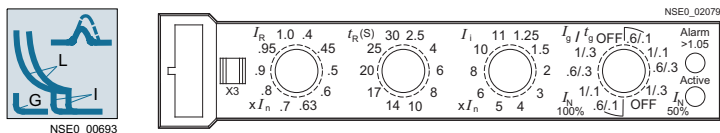
Product discontinuation

4-pole

2

| Type | Rated current I_n | Current setting of the inverse-time delayed overcurrent protection "L" I_R | Operating current of the instantaneous short-circuit protection "I" I_i | Ground-fault protection "G" I_g | SD | I_{cu} up to 55 kA at 415 V, standard breaking capacity N | | | | |
|------|---------------------|--|---|-----------------------------------|----|---|----------------------|-------------------|----|----|
| | A | A | A | A | d | Article No. | Price, see page 2/56 | PU (UNIT, SET, M) | PS | PG |
| | | | | | | See "Overview" | | | | |
| | | | | | | Article No. supplement, see page 2/58; www.siemens.com/product?Article.No. | | | | |

4-pole, fixed-mounted, for line protection, 63 A to 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 function (G) can be switched off with overcurrent and short-circuit protection 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 | 1CC |
| | 100 | 40 ... 100 | 1.25 ... $11 \times I_n$ | 0.6 ... $1 \times I_n$, OFF | 3VL2710-1□□4□-□□□□ | 1 | 1 unit | 1CC |
| | 160 | 64 ... 160 | 1.25 ... $11 \times I_n$ | 0.6 ... $1 \times I_n$, OFF | 3VL2716-1□□4□-□□□□ | 1 | 1 unit | 1CC |
| VL250/3VL3 | 200 | 80 ... 200 | 1.25 ... $11 \times I_n$ | 0.6 ... $1 \times I_n$, OFF | 3VL3720-1□□4□-□□□□ | 1 | 1 unit | 1CC |
| | 250 | 100 ... 250 | 1.25 ... $11 \times I_n$ | 0.6 ... $1 \times I_n$, OFF | 3VL3725-1□□4□-□□□□ | 1 | 1 unit | 1CC |

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 | 1CC |
| | 400 | 160 ... 400 | 1.25 ... $11 \times I_n$ | 0.6 ... $1 \times I_n$, OFF | 3VL4740-1□□46-□□□□ | 1 | 1 unit | 1CC |
| VL630/3VL5 | 630 | 252 ... 630 | 1.25 ... $10 \times I_n$ | 0.6 ... $1 \times I_n$, OFF | 3VL5763-1□□46-□□□□ | 1 | 1 unit | 1CC |
| VL800/3VL6 | 800 | 320 ... 800 | 1.25 ... $8 \times I_n$ | 0.6 ... $1 \times I_n$, OFF | 3VL6780-1□□46-□□□□ | 1 | 1 unit | 1CC |
| VL1250/3VL7 | 1000 | 400 ... 1000 | 1.25 ... $11 \times I_n$ | 0.6 ... $1 \times I_n$, OFF | 3VL7710-1□□46-□□□□ | 1 | 1 unit | 1CC |
| | 1250 | 500 ... 1250 | 1.25 ... $11 \times I_n$ | 0.6 ... $1 \times I_n$, OFF | 3VL7712-1□□46-□□□□ | 1 | 1 unit | 1CC |
| 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 | 1CC |

- 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 2/93.
- For more information, see also chapter "Measuring Devices and Power Monitoring" and chapter "Software".



Product discontinuation

Molded Case Circuit Breakers

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

4-pole

2

| SD | I_{cu} up to 70 kA at 415 V, high breaking capacity H | | | | | (H) | SD | I_{cu} up to 100 kA at 415 V, very high breaking capacity L | | | | | (L) |
|----|---|----------------------|-------------------|----|----|-----|-------------|---|-------------------|----|----|--|-----|
| d | Article No. | Price, see page 2/56 | PU (UNIT, SET, M) | PS | PG | d | Article No. | Price, see page 2/56 | PU (UNIT, SET, M) | PS | PG | | |

| | | | | | | | | | | | |
|--------------------|---|--------|-----|--|--|--------------------|---|--------|-----|--|--|
| 3VL2706-2□□4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2706-3□□4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2710-2□□4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2710-3□□4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2716-2□□4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2716-3□□4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3720-2□□4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3720-3□□4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3725-2□□4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3725-3□□4□-□□□□ | 1 | 1 unit | 1CC | | |

3
6

3
6

| | | | | | | | | | | | |
|--------------------|---|--------|-----|--|--|--------------------|---|--------|-----|--|--|
| 3VL4731-2□□46-□□□□ | 1 | 1 unit | 1CC | | | 3VL4731-3□□46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL4740-2□□46-□□□□ | 1 | 1 unit | 1CC | | | 3VL4740-3□□46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5763-2□□46-□□□□ | 1 | 1 unit | 1CC | | | 3VL5763-3□□46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL6780-2□□46-□□□□ | 1 | 1 unit | 1CC | | | 3VL6780-3□□46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL7710-2□□46-□□□□ | 1 | 1 unit | 1CC | | | 3VL7710-3□□46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL7712-2□□46-□□□□ | 1 | 1 unit | 1CC | | | 3VL7712-3□□46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL8716-2□□40-□□□□ | 1 | 1 unit | 1CC | | | 3VL8716-3□□40-□□□□ | 1 | 1 unit | 1CC | | |

TN
NN

TN
NN



Molded Case Circuit Breakers

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

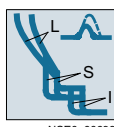
Product discontinuation

4-pole

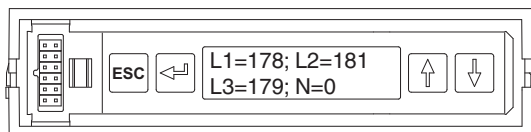
2

| Type | Rated current I_n | Current setting of the inverse-time delayed overcurrent protection "L" I_R | Operating current of the instantaneous short-circuit protection "I" I_i | S function, short-circuit protection (short-time delayed) S | SD | I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview" | | | | |
|------|------------------------|---|--|---|----|---|--------------------|-------------------|----|----|
| | A | A | A | A | d | Article No. Article No. supplement, see page 2/58; www.siemens.com/product?Article No. | Basic price per PU | PU (UNIT, SET, M) | PS | PG |

4-pole, fixed-mounted, for line protection - generator protection, 63 A to 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 releases in the 4th pole (N) N protection = 50 ... 100 %, OFF

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

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

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.



Product discontinuation

Molded Case Circuit Breakers

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

4-pole

| SD | I_{cu} up to 70 kA at 415 V, high breaking capacity H | (H) | SD | I_{cu} up to 100 kA at 415 V, very high breaking capacity L | (L) | | | | | | |
|----|---|-----------------------|-------------------------|---|-----|---|---|-----------------------|-------------------------|----|----|
| d | Article No. Article No. supplement, see page 2/58; www.siemens.com/ product?Article No. | Basic price per PU | PU (UNIT, SET, M) | PS | PG | d | Article No. Article No. supplement, see page 2/58; www.siemens.com/ product?Article No. | Basic price per PU | PU (UNIT, SET, M) | PS | PG |

| | | | | | | | |
|--------------------|---|--------|-----|--------------------|---|--------|-----|
| 3VL2706-2UJ4□-□□□□ | 1 | 1 unit | 1CC | 3VL2706-3UJ4□-□□□□ | 1 | 1 unit | 1CC |
| 3VL2710-2UJ4□-□□□□ | 1 | 1 unit | 1CC | 3VL2710-3UJ4□-□□□□ | 1 | 1 unit | 1CC |
| 3VL2716-2UJ4□-□□□□ | 1 | 1 unit | 1CC | 3VL2716-3UJ4□-□□□□ | 1 | 1 unit | 1CC |
| 3VL3720-2UJ4□-□□□□ | 1 | 1 unit | 1CC | 3VL3720-3UJ4□-□□□□ | 1 | 1 unit | 1CC |
| 3VL3725-2UJ4□-□□□□ | 1 | 1 unit | 1CC | 3VL3725-3UJ4□-□□□□ | 1 | 1 unit | 1CC |

3
63
6

| | | | | | | | |
|--------------------|---|--------|-----|--------------------|---|--------|-----|
| 3VL4731-2UJ46-□□□□ | 1 | 1 unit | 1CC | 3VL4731-3UJ46-□□□□ | 1 | 1 unit | 1CC |
| 3VL4740-2UJ46-□□□□ | 1 | 1 unit | 1CC | 3VL4740-3UJ46-□□□□ | 1 | 1 unit | 1CC |
| 3VL5763-2UJ46-□□□□ | 1 | 1 unit | 1CC | 3VL5763-3UJ46-□□□□ | 1 | 1 unit | 1CC |
| 3VL6780-2UJ46-□□□□ | 1 | 1 unit | 1CC | 3VL6780-3UJ46-□□□□ | 1 | 1 unit | 1CC |
| 3VL7710-2UJ46-□□□□ | 1 | 1 unit | 1CC | 3VL7710-3UJ46-□□□□ | 1 | 1 unit | 1CC |
| 3VL7712-2UJ46-□□□□ | 1 | 1 unit | 1CC | 3VL7712-3UJ46-□□□□ | 1 | 1 unit | 1CC |
| 3VL8716-2UJ40-□□□□ | 1 | 1 unit | 1CC | 3VL8716-3UJ40-□□□□ | 1 | 1 unit | 1CC |



Molded Case Circuit Breakers

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

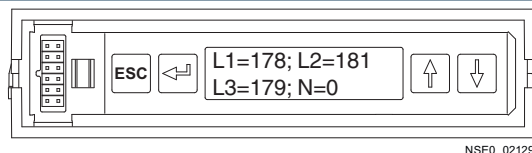
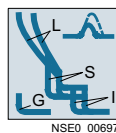
Product discontinuation

4-pole

2

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

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



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 $t_{gd} = 0.1 \dots 0.5$ s, short-circuit delay $t_{sd} = 0 \dots 0.5$ s
with overcurrent and short-circuit releases 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 | 3VL2706-1UN4 □-□□□□ | 1 | 1 unit | 1CC |
| | 100 | 40 ... 100 | 1.25 ... 11 × I_n | 1.5 ... 10 × I_R | 0.4 ... 1 × I_n | 3VL2710-1UN4 □-□□□□ | 1 | 1 unit | 1CC |
| | 160 | 64 ... 160 | 1.25 ... 11 × I_n | 1.5 ... 10 × I_R | 0.4 ... 1 × I_n | 3VL2716-1UN4 □-□□□□ | 1 | 1 unit | 1CC |
| VL250/3VL3 | 200 | 80 ... 200 | 1.25 ... 11 × I_n | 1.5 ... 10 × I_R | 0.4 ... 1 × I_n | 3VL3720-1UN4 □-□□□□ | 1 | 1 unit | 1CC |
| | 250 | 100 ... 250 | 1.25 ... 11 × I_n | 1.5 ... 10 × I_R | 0.4 ... 1 × I_n | 3VL3725-1UN4 □-□□□□ | 1 | 1 unit | 1CC |

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 | 1CC |
| | 400 | 160 ... 400 | 1.25 ... 11 × I_n | 1.5 ... 10 × I_R | 0.4 ... 1 × I_n | 3VL4740-1UN46 -□□□□ | 1 | 1 unit | 1CC |
| 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 | 1CC |
| 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 | 1CC |
| 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 | 1CC |
| | 1250 | 500 ... 1250 | 1.25 ... 11 × I_n | 1.5 ... 10 × I_R | 0.4 ... 1 × I_n | 3VL7712-1UN46 -□□□□ | 1 | 1 unit | 1CC |
| 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 | 1CC |

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.



Product discontinuation

Molded Case Circuit Breakers

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

4-pole

| SD | I_{cu} up to 70 kA at 415 V, high breaking capacity H | | | | | SD | I_{cu} up to 100 kA at 415 V, very high breaking capacity L | | | | |
|----|---|--------------------|-------------------|----|----|----|---|--------------------|-------------------|----|----|
| | Article No. | Basic price per PU | PU (UNIT, SET, M) | PS | PG | | Article No. | Basic price per PU | PU (UNIT, SET, M) | PS | PG |
| d | Article No. supplement, see page 2/58; www.siemens.com/product?Article.No. | | | | | d | Article No. supplement, see page 2/58; www.siemens.com/product?Article.No. | | | | |

| | | | | | | | | | | | |
|--------------------|---|--------|-----|--|--|--------------------|---|--------|-----|--|--|
| 3VL2706-2UN4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2706-3UN4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2710-2UN4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2710-3UN4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2716-2UN4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2716-3UN4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3720-2UN4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3720-3UN4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3725-2UN4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3725-3UN4□-□□□□ | 1 | 1 unit | 1CC | | |

3
63
6

| | | | | | | | | | | | |
|--------------------|---|--------|-----|--|--|--------------------|---|--------|-----|--|--|
| 3VL4731-2UN46-□□□□ | 1 | 1 unit | 1CC | | | 3VL4731-3UN46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL4740-2UN46-□□□□ | 1 | 1 unit | 1CC | | | 3VL4740-3UN46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5763-2UN46-□□□□ | 1 | 1 unit | 1CC | | | 3VL5763-3UN46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL6780-2UN46-□□□□ | 1 | 1 unit | 1CC | | | 3VL6780-3UN46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL7710-2UN46-□□□□ | 1 | 1 unit | 1CC | | | 3VL7710-3UN46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL7712-2UN46-□□□□ | 1 | 1 unit | 1CC | | | 3VL7712-3UN46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL8716-2UN40-□□□□ | 1 | 1 unit | 1CC | | | 3VL8716-3UN40-□□□□ | 1 | 1 unit | 1CC | | |



Molded Case Circuit Breakers

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

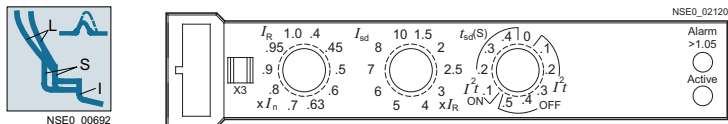
Product discontinuation

4-pole

2

| Type | Rated current I_n | Current setting of the inverse-time delayed overcurrent protection "L" I_R | Operating current of the instantaneous short-circuit protection "I" I_I | S function, short-circuit protection (short-time delayed) S | SD | I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview". | PU (UNIT, SET, M) | PS | PG |
|------|------------------------|---|--|---|----|---|----------------------|----|----|
| | A | A | A | A | d | Article No. Article No. supplement, see page 2/58; www.siemens.com/product?Article.No. | Price, see page 2/56 | | |

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



ETU20, LSI function for time-based discrimination

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

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

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

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

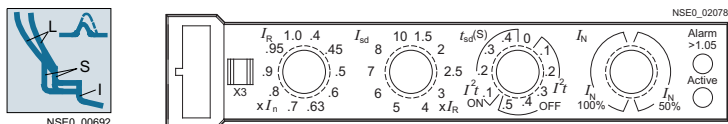
3
6

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

- Without communication preparation
- With communication preparation

TE
NE

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



ETU20, LSIN function for time-based discrimination

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

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

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

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

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 2/93.
- For more information, see also chapter "Measuring Devices and Power Monitoring" and chapter "Software".



Product discontinuation

Molded Case Circuit Breakers

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

4-pole

2

| SD | I_{cu} up to 70 kA at 415 V, high breaking capacity H | (H) | SD | I_{cu} up to 100 kA at 415 V, very high breaking capacity L | (L) | | | | | |
|----|--|----------------------|-------------------|---|-----|-------------|--|-------------------|----|----|
| | Article No. | Price, see page 2/56 | PU (UNIT, SET, M) | PS | PG | Article No. | Price, see page 2/56 | PU (UNIT, SET, M) | PS | PG |
| d | Article No. supplement, see page 2/58; www.siemens.com/product?Article.No. | | | | | d | Article No. supplement, see page 2/58; www.siemens.com/product?Article.No. | | | |

| | | | | | | | |
|--------------------|---|--------|-----|--------------------|---|--------|-----|
| 3VL2706-2□□4□-□□□□ | 1 | 1 unit | 1CC | 3VL2706-3□□4□-□□□□ | 1 | 1 unit | 1CC |
| 3VL2710-2□□4□-□□□□ | 1 | 1 unit | 1CC | 3VL2710-3□□4□-□□□□ | 1 | 1 unit | 1CC |
| 3VL2716-2□□4□-□□□□ | 1 | 1 unit | 1CC | 3VL2716-3□□4□-□□□□ | 1 | 1 unit | 1CC |
| 3VL3720-2□□4□-□□□□ | 1 | 1 unit | 1CC | 3VL3720-3□□4□-□□□□ | 1 | 1 unit | 1CC |
| 3VL3725-2□□4□-□□□□ | 1 | 1 unit | 1CC | 3VL3725-3□□4□-□□□□ | 1 | 1 unit | 1CC |

3
6

3
6

| | | | | | | | |
|--------------------|---|--------|-----|--------------------|---|--------|-----|
| 3VL4731-2□□46-□□□□ | 1 | 1 unit | 1CC | 3VL4731-3□□46-□□□□ | 1 | 1 unit | 1CC |
| 3VL4740-2□□46-□□□□ | 1 | 1 unit | 1CC | 3VL4740-3□□46-□□□□ | 1 | 1 unit | 1CC |
| 3VL5763-2□□46-□□□□ | 1 | 1 unit | 1CC | 3VL5763-3□□46-□□□□ | 1 | 1 unit | 1CC |
| 3VL6780-2□□46-□□□□ | 1 | 1 unit | 1CC | 3VL6780-3□□46-□□□□ | 1 | 1 unit | 1CC |
| 3VL7710-2□□46-□□□□ | 1 | 1 unit | 1CC | 3VL7710-3□□46-□□□□ | 1 | 1 unit | 1CC |
| 3VL7712-2□□46-□□□□ | 1 | 1 unit | 1CC | 3VL7712-3□□46-□□□□ | 1 | 1 unit | 1CC |
| 3VL8716-2□□40-□□□□ | 1 | 1 unit | 1CC | 3VL8716-3□□40-□□□□ | 1 | 1 unit | 1CC |

TE
NE

TE
NE

| | | | | | | | |
|--------------------|---|--------|-----|--------------------|---|--------|-----|
| 3VL2706-2□□4□-□□□□ | 1 | 1 unit | 1CC | 3VL2706-3□□4□-□□□□ | 1 | 1 unit | 1CC |
| 3VL2710-2□□4□-□□□□ | 1 | 1 unit | 1CC | 3VL2710-3□□4□-□□□□ | 1 | 1 unit | 1CC |
| 3VL2716-2□□4□-□□□□ | 1 | 1 unit | 1CC | 3VL2716-3□□4□-□□□□ | 1 | 1 unit | 1CC |
| 3VL3720-2□□4□-□□□□ | 1 | 1 unit | 1CC | 3VL3720-3□□4□-□□□□ | 1 | 1 unit | 1CC |
| 3VL3725-2□□4□-□□□□ | 1 | 1 unit | 1CC | 3VL3725-3□□4□-□□□□ | 1 | 1 unit | 1CC |

3
6

3
6

| | | | | | | | |
|--------------------|---|--------|-----|--------------------|---|--------|-----|
| 3VL4731-2□□46-□□□□ | 1 | 1 unit | 1CC | 3VL4731-3□□46-□□□□ | 1 | 1 unit | 1CC |
| 3VL4740-2□□46-□□□□ | 1 | 1 unit | 1CC | 3VL4740-3□□46-□□□□ | 1 | 1 unit | 1CC |
| 3VL5763-2□□46-□□□□ | 1 | 1 unit | 1CC | 3VL5763-3□□46-□□□□ | 1 | 1 unit | 1CC |
| 3VL6780-2□□46-□□□□ | 1 | 1 unit | 1CC | 3VL6780-3□□46-□□□□ | 1 | 1 unit | 1CC |
| 3VL7710-2□□46-□□□□ | 1 | 1 unit | 1CC | 3VL7710-3□□46-□□□□ | 1 | 1 unit | 1CC |
| 3VL7712-2□□46-□□□□ | 1 | 1 unit | 1CC | 3VL7712-3□□46-□□□□ | 1 | 1 unit | 1CC |
| 3VL8716-2□□40-□□□□ | 1 | 1 unit | 1CC | 3VL8716-3□□40-□□□□ | 1 | 1 unit | 1CC |

TF
NF
LF

TF
NF
LF



Molded Case Circuit Breakers

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

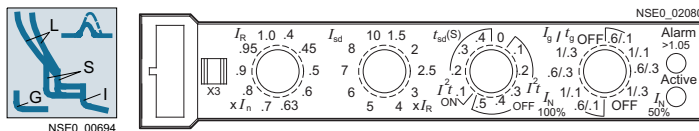
Product discontinuation

4-pole

2

| Type | Rated current I_n | Current setting of the inverse-time delayed overcurrent protection "L" I_R | Operating current of the instantaneous short-circuit protection "I" I_I | S function, short-circuit protection (short-time delayed) S | Ground-fault protection "G" I_g | SD | I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview" | (N) | | | |
|------|------------------------|---|--|---|--------------------------------------|----|--|----------------------|-------------------|----|----|
| | A | A | A | A | A | d | Article No. Article No. supplement, see page 2/58; www.siemens.com/product?ArticleNo . | Price, see page 2/56 | PU (UNIT, SET, M) | PS | PG |

4-pole, fixed-mounted, for line protection - generator protection, 63 A to 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 function (G) can be switched off, short-circuit delay $t_{sd} = 0 \dots 0.5$ s with overcurrent and short-circuit releases 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 | 1CC |
| | 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 | 1CC |
| | 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 | 1CC |
| 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 | 1CC |
| | 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 | 1CC |

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 | 1CC |
| | 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 | 1CC |
| 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 | 1CC |
| 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 | 1CC |
| 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 | 1CC |
| | 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 | 1CC |
| 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 | 1CC |

- 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 2/93.
- For more information, see also chapter "Measuring Devices and Power Monitoring" and chapter "Software".



Product discontinuation

Molded Case Circuit Breakers

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

4-pole

2

| SD | I_{cu} up to 70 kA at 415 V, high breaking capacity H | | | | | (H) | SD | I_{cu} up to 100 kA at 415 V, very high breaking capacity L | | | | | (L) |
|----|---|----------------------|-------------------|----|----|-----|-------------|---|-------------------|----|----|--|-----|
| | Article No. | Price, see page 2/56 | PU (UNIT, SET, M) | PS | PG | | Article No. | Price, see page 2/56 | PU (UNIT, SET, M) | PS | PG | | |
| d | www.siemens.com/product?Article No. | | | | | | d | www.siemens.com/product?Article No. | | | | | |

| | | | | | | | | | | | |
|--------------------|---|--------|-----|--|--|--------------------|---|--------|-----|--|--|
| 3VL2706-2□□4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2706-3□□4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2710-2□□4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2710-3□□4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2716-2□□4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2716-3□□4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3720-2□□4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3720-3□□4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3725-2□□4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3725-3□□4□-□□□□ | 1 | 1 unit | 1CC | | |

3
6

3
6

| | | | | | | | | | | | |
|--------------------|---|--------|-----|--|--|--------------------|---|--------|-----|--|--|
| 3VL4731-2□□46-□□□□ | 1 | 1 unit | 1CC | | | 3VL4731-3□□46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL4740-2□□46-□□□□ | 1 | 1 unit | 1CC | | | 3VL4740-3□□46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5763-2□□46-□□□□ | 1 | 1 unit | 1CC | | | 3VL5763-3□□46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL6780-2□□46-□□□□ | 1 | 1 unit | 1CC | | | 3VL6780-3□□46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL7710-2□□46-□□□□ | 1 | 1 unit | 1CC | | | 3VL7710-3□□46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL7712-2□□46-□□□□ | 1 | 1 unit | 1CC | | | 3VL7712-3□□46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL8716-2□□40-□□□□ | 1 | 1 unit | 1CC | | | 3VL8716-3□□40-□□□□ | 1 | 1 unit | 1CC | | |

TH
NH

TH
NH



Molded Case Circuit Breakers

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

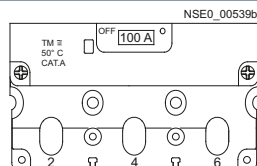
Product discontinuation

4-pole

2

| Type | Rated current I_n | Operating current of the instantaneous short-circuit protection "I" I_i | SD | I_{cu} up to 55 kA at 415 V, standard breaking capacity N See "Overview". | (N) |
|------|------------------------|--|----|---|---|
| | A | A | d | Article No. Article No. supplement, see page 2/58; www.siemens.com/product?Article No. | Basic price per PU PU (UNIT, SET, M) PS PG |

4-pole, fixed-mounted, for safe disconnection, 100 A to 1600 A, magnetic release I



Non-automatic molded case circuit breakers¹⁾, I function

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

| | | | | | | |
|-------------|------------|--------------|--|--------|------------------|------------|
| VL160X/3VL1 | 100 160 | 1800 1800 | 3VL1710-1EE4 -□□□□ 3VL1716-1EE4 -□□□□ | 1 1 | 1 unit 1 unit | 1CC 1CC |
| VL160/3VL2 | 100 160 | 2500 2500 | 3VL2710-1EE4 -□□□□ 3VL2716-1EE4 -□□□□ | 1 1 | 1 unit 1 unit | 1CC 1CC |
| VL250/3VL3 | 250 | 3500 | 3VL3725-1EE4 -□□□□ | 1 | 1 unit | 1CC |

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 module with 3VL1²⁾ **6**

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

¹⁾ See 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.



Product discontinuation

Molded Case Circuit Breakers

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

4-pole

| SD | I_{cu} up to 70 kA at 415 V, high breaking capacity H | | | | | SD | I_{cu} up to 100 kA at 415 V, very high breaking capacity L | | | | |
|----|--|--------------------|-------------------|----|----|----|--|--------------------|-------------------|----|----|
| | Article No. | Basic price per PU | PU (UNIT, SET, M) | PS | PG | | Article No. | Basic price per PU | PU (UNIT, SET, M) | PS | PG |
| d | www.siemens.com/product?Article.No. | | | | | d | www.siemens.com/product?Article.No. | | | | |

| | | | | | | | | | | | |
|--------------------|---|--------|-----|----|--|--------------------|---|--------|-----|--|--|
| 3VL1710-2EE4□-□□□□ | 1 | 1 unit | 1CC | -- | | | | | | | |
| 3VL1716-2EE4□-□□□□ | 1 | 1 unit | 1CC | -- | | | | | | | |
| 3VL2710-2EE4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2710-3EE4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL2716-2EE4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL2716-3EE4□-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL3725-2EE4□-□□□□ | 1 | 1 unit | 1CC | | | 3VL3725-3EE4□-□□□□ | 1 | 1 unit | 1CC | | |

3
63
6

| | | | | | | | | | | | |
|--------------------|---|--------|-----|--|--|--------------------|---|--------|-----|--|--|
| 3VL4740-2EE46-□□□□ | 1 | 1 unit | 1CC | | | 3VL4740-3EE46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL5763-2EE46-□□□□ | 1 | 1 unit | 1CC | | | 3VL5763-3EE46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL6780-2EE46-□□□□ | 1 | 1 unit | 1CC | | | 3VL6780-3EE46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL7712-2EE46-□□□□ | 1 | 1 unit | 1CC | | | 3VL7712-3EE46-□□□□ | 1 | 1 unit | 1CC | | |
| 3VL8716-2EE40-□□□□ | 1 | 1 unit | 1CC | | | 3VL8716-3EE40-□□□□ | 1 | 1 unit | 1CC | | |



Molded Case Circuit Breakers

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

Product discontinuation

4-pole

2

| Article No. supplement (for complete Article No., see pages 2/42 to 2/53) | 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 | 630 A | 800 A | 1000 A |
| Price | | | | | | | | | | | | |
| ETU10 | TB | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ETU10 | NB | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ETU10 | TA | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ETU10 | NA | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ETU10 | LA | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ETU12 | TN | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ETU12 | NN | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ETU40 | UJ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ETU42 | UN | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ETU20 | TE | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ETU20 | NE | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ETU20 | TF | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ETU20 | NF | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ETU20 | LF | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ETU22 | TH | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ETU22 | NH | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

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

| | | | |
|-----------------------|-------------------------------|-------------------------------|-------------------------------|
| VL160X 3VL1 | Max. 3 HS Max. 2 HS + 1 AS | Max. 3 HS Max. 2 HS + 1 AS | Max. 3 HS Max. 2 HS + 1 AS |
| VL160 3VL2 | Max. 3 HS Max. 2 HS + 1 AS | Max. 3 HS Max. 2 HS + 1 AS | Max. 3 HS Max. 2 HS + 1 AS |
| VL250 3VL3 | Max. 3 HS Max. 2 HS + 1 AS | Max. 3 HS Max. 2 HS + 1 AS | Max. 3 HS Max. 2 HS + 1 AS |
| VL400 3VL4 | Max. 3 HS Max. 2 HS + 1 AS | Max. 3 HS Max. 2 HS + 1 AS | Max. 3 HS |
| VL630 3VL5 | Max. 4 HS Max. 2 HS + 2 AS | Max. 4 HS Max. 2 HS + 2 AS | Max. 4 HS |
| VL800 3VL6 | Max. 4 HS Max. 2 HS + 2 AS | Max. 4 HS Max. 2 HS + 2 AS | Max. 4 HS |
| VL1250 3VL7 | Max. 4 HS Max. 2 HS + 2 AS | Max. 4 HS Max. 2 HS + 2 AS | Max. 4 HS |
| VL1600 3VL8 | Max. 4 HS Max. 2 HS + 2 AS | Max. 4 HS Max. 2 HS + 2 AS | Max. 4 HS |

ETU marine engineering-certified: Left accessories compartment is fitted with tripping solenoid

VL160X with RCD: Left accessories compartment is fitted with tripping solenoid

Shunt release or undervoltage release
HS one auxiliary switch 1 NO or 1 NC
AS one alarm switch 1 NO or 1 NC

4-pole circuit breakers without communication preparation

| | | | |
|-----------------------|-----------|------------------------------|------------------------------|
| VL160X 3VL1 | Max. 3 HS | Max. 3 HS Max. 2 HS+ 1 AS | Max. 3 HS Max. 2 HS+ 1 AS |
| VL160 3VL2 | Max. 3 HS | Max. 3 HS Max. 2 HS+ 1 AS | Max. 3 HS Max. 2 HS+ 1 AS |
| VL250 3VL3 | Max. 3 HS | Max. 3 HS Max. 2 HS+ 1 AS | Max. 3 HS Max. 2 HS+ 1 AS |
| VL400 3VL4 | Max. 3 HS | Max. 3 HS Max. 2 HS+ 1 AS | Max. 3 HS |
| VL630 3VL5 | Max. 4 HS | Max. 4 HS Max. 2 HS+ 2 AS | Max. 4 HS |
| VL800 3VL6 | Max. 4 HS | Max. 4 HS Max. 2 HS+ 2 AS | Max. 4 HS |
| VL1250 3VL7 | Max. 4 HS | Max. 4 HS Max. 2 HS+ 2 AS | Max. 4 HS |
| VL1600 3VL8 | Max. 4 HS | Max. 4 HS Max. 2 HS+ 2 AS | Max. 4 HS |

ETU marine engineering-certified: Left accessories compartment is fitted with tripping solenoid

VL160X with RCD: Left accessories compartment is fitted with tripping solenoid

Shunt release or undervoltage release
HS one auxiliary switch 1 NO or 1 NC
AS one alarm switch 1 NO or 1 NC

3-pole circuit breakers with communication preparation

| | | |
|-----------------------|------------------|-------------------------------|
| VL160 3VL2 | Max. 1 HS | Max. 3 HS Max. 2 HS + 1 AS |
| VL250 3VL3 | Max. 1 HS | Max. 3 HS Max. 2 HS + 1 AS |
| VL400 3VL4 | Max. 1 HS | Max. 3 HS |
| VL630 3VL5 | Max. 1 HS + 1 AS | Max. 4 HS |
| VL800 3VL6 | Max. 1 HS + 1 AS | Max. 4 HS |
| VL1250 3VL7 | Max. 1 HS + 1 AS | Max. 4 HS |
| VL1600 3VL8 | Max. 1 HS + 1 AS | Max. 4 HS |

When using a communication-capable ETU, the accessory compartment X2 is fitted with an auxiliary switch and an alarm switch

Shunt release or undervoltage release
HS one auxiliary switch 1 NO or 1 NC
AS one alarm switch 1 NO or 1 NC

4-pole circuit breakers with communication preparation

| | | | |
|-----------------------|-----------|------------------|-------------------------------|
| VL160 3VL2 | Max. 3 HS | Max. 1 HS | Max. 3 HS Max. 2 HS + 1 AS |
| VL250 3VL3 | Max. 3 HS | Max. 1 HS | Max. 3 HS Max. 2 HS + 1 AS |
| VL400 3VL4 | Max. 3 HS | Max. 1 HS | Max. 3 HS |
| VL630 3VL5 | Max. 4 HS | Max. 1 HS + 1 AS | Max. 4 HS |
| VL800 3VL6 | Max. 4 HS | Max. 1 HS + 1 AS | Max. 4 HS |
| VL1250 3VL7 | Max. 4 HS | Max. 1 HS + 1 AS | Max. 4 HS |
| VL1600 3VL8 | Max. 4 HS | Max. 1 HS + 1 AS | Max. 4 HS |

When using a communication-capable ETU, the accessory compartment X2 is fitted with an auxiliary switch and an alarm switch

Shunt release or undervoltage release
HS one auxiliary switch 1 NO or 1 NC
AS one alarm switch 1 NO or 1 NC

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

Product discontinuation

Options

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

| Rated control supply voltage U_s /frequency | Article No. supplement | Circuit breakers Type | Additional price |
|--|--|----------------------------------|----------------------------------|
| 50/60 Hz AC DC | 3VL.....-.....- <input type="checkbox"/> <input type="checkbox"/> .. | VL160X to VL400/ 3VL1 to 3VL4 | VL630 to VL1600/ 3VL5 to 3VL8 |
| | | Additional price | Additional price |
| 3- or 4-pole | | | |
| Without auxiliary releases | | 0 A | None |
| With undervoltage release | | | |
| Right pole only | | | |
| 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 release | | | |
| Right pole only | | | |
| 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, wiring directly to accessories

| Equipment | Article No. supplement | Circuit breakers Type | Additional price |
|--|--|---|----------------------------------|
| HS = 1 NO or 1 NC contact block AS = 1 NO contact block | 3VL.....-.....- .. <input type="checkbox"/> <input type="checkbox"/> | 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⁾ |

-- 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"

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

| Prewired internal accessories Connecting cables (3 m long) brought out at the rear This option "L02" can be selected <u>only</u> in combination with internal accessories (page 2/58). Option not available for factory-fitted motorized operating mechanisms. | For VL160X to VL1600 (3VL1 to 3VL8) | L | 0 | 2 |
|--|--|---|---|---|
| Motorized operating mechanisms with stored energy mechanisms for synchronization tasks (24 V DC) Motorized operating mechanisms <u>not</u> wired; 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 <u>not</u> wired; 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 (110 ... 127 V AC/DC) Motorized operating mechanisms <u>not</u> wired; 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 <u>not</u> wired; 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 |

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

Product discontinuation

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 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 (3VL1) | M | 2 | 5 | ✓ |
| | VL160, VL250 (3VL2, 3VL3) | | | | ✓ |
| | VL400 (3VL4) | | | | ✓ |
| | VL630, VL800 (3VL5, 3VL6) | | | | ✓ |
| Pre-mounted motorized operating mechanisms (42 ... 60 V AC/DC) on circuit breaker, not synchronizable 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 (3VL1) | M | 4 | 3 | ✓ |
| | VL160, VL250 (3VL2, 3VL3) | | | | ✓ |
| | VL400 (3VL4) | | | | ✓ |
| | VL630, VL800 (3VL5, 3VL6) | | | | ✓ |
| Pre-mounted motorized operating mechanisms (110 ... 127 V AC/DC) on circuit breaker, not synchronizable 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 (3VL1) | M | 1 | 2 | ✓ |
| | VL160, VL250 (3VL2, 3VL3) | | | | ✓ |
| | VL400 (3VL4) | | | | ✓ |
| | VL630, VL800 (3VL5, 3VL6) | | | | ✓ |
| Pre-mounted motorized operating mechanisms (220 ... 250 V AC/DC) on circuit breaker, not synchronizable 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 (3VL1) | M | 2 | 3 | ✓ |
| | VL160, VL250 (3VL2, 3VL3) | | | | ✓ |
| | VL400 (3VL4) | | | | ✓ |
| | VL630, VL800 (3VL5, 3VL6) | | | | ✓ |



Selection and ordering data

| | | | | | |
|--------------------------------|----|---|-------------------|----|----|
| Wiring directly to accessories | SD | For VL160X to VL400 (3VL1 to 3VL4) | PU (UNIT, SET, M) | PS | PG |
| | d | Article No. www.siemens.com/product?ArticleNo. | Price per PU | | |

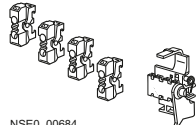
Auxiliary switches and auxiliary releases

3- or 4-pole

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

Auxiliary switches (HS) and alarm switches (AS)

For retrofitting



NSE0_00684
3VL9400-2A.00

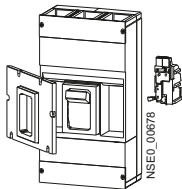
| Assembly kits | Mounting side | | | | |
|------------------------------|--|----------------------|---|--------|-----|
| 2 HS (1 NO + 1 NC) | N, left ¹⁾ , right | 3VL9400-2AB00 | 1 | 1 unit | 1CC |
| 4 HS (2 NO + 2 NC) | N, left ¹⁾ , right | -- | | | |
| 2 HS (1 NC + 1 NO) | left ¹⁾ , right ³⁾ | 3VL9400-2AD00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

Additional auxiliary switch/alarm switch combinations

See page 2/63.

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 1CC |
| -- | 48 ... 60 | Right pole only | 3VL9400-1SJ00 | 1 | 1 unit 1CC |
| -- | 110 ... 127 | Right pole only | 3VL9400-1SK00 | 1 | 1 unit 1CC |
| -- | 220 ... 250 | Right pole only | 3VL9400-1SQ00 | 1 | 1 unit 1CC |
| 48 ... 60 | -- | Right pole only | 3VL9400-1SM00 | 1 | 1 unit 1CC |
| 110 ... 127 | -- | Right pole only | 3VL9400-1SR00 | 1 | 1 unit 1CC |
| 208 ... 277 | -- | Right pole only | 3VL9400-1ST00 | 1 | 1 unit 1CC |
| 380 ... 600 | -- | Right pole only | 3VL9400-1SV00 | 1 | 1 unit 1CC |

Undervoltage releases

For retrofitting

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

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

Rated control supply voltage U_s

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

Storage time 5 min

3WL9111-0BA14-0AA0 1 1 unit 1CA

¹⁾ Except for installation in the left accessory compartment of the VL160X (3VL1) molded case circuit breakers with RCD module.

²⁾ Shunt releases with disconnection contact (for ON/OFF position) not floating (see Technical Information at www.siemens.com/lowvoltage/product-support).

³⁾ In the case of VL400 (3VL4):
Unsuitable for mounting in the right accessory compartment.
The 3VL9400-2AB00 assembly kit with auxiliary switches only is recommended.



Molded Case Circuit Breakers

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

Product discontinuation

Accessories and spare parts

2

| | | | | | |
|--------------------------------|----|--|-------------------|----|----|
| Wiring directly to accessories | SD | For VL630 to VL1600 (3VL5 to 3VL8) | PU (UNIT, SET, M) | PS | PG |
| | d | Article No. www.siemens.com/product?Article.No. | Price per PU | | |

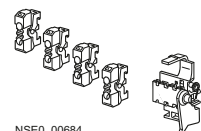
Auxiliary switches and auxiliary releases

3- or 4-pole

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

Auxiliary switches (HS) and alarm switches (AS)

For retrofitting



NSE0_00684
3VL9800-2A.00

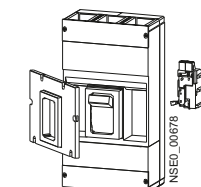
| Assembly kits | Mounting side | | | | |
|---|---------------------|----------------------------|---|--------|-----|
| 2 HS (1 NO + 1 NC) | N, left, right | -- | | | |
| 4 HS (2 NO + 2 NC) | N, left, right | 3VL9800-2AC00 | 1 | 1 unit | 1CC |
| 2 HS (1 NC + 1 NO) + 1 AS (1 NO) (assembly kit) | Left, right Left | -- 3VL9800-2AE00 | 1 | 1 unit | 1CC |

Additional auxiliary switch/alarm switch combinations

[See page 2/63.](#)

Shunt releases ¹⁾

For retrofitting



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

| V AC | V DC | Mounting side | | | |
|-------------|-------------|-----------------|----------------------|---|------------|
| 24 | 24 | Right pole only | 3VL9800-1SC00 | 1 | 1 unit 1CC |
| -- | 48 ... 60 | Right pole only | 3VL9800-1SJ00 | 1 | 1 unit 1CC |
| -- | 110 ... 127 | Right pole only | 3VL9800-1SK00 | 1 | 1 unit 1CC |
| -- | 220 ... 250 | Right pole only | 3VL9800-1SQ00 | 1 | 1 unit 1CC |
| 48 ... 60 | -- | Right pole only | 3VL9800-1SM00 | 1 | 1 unit 1CC |
| 110 ... 127 | -- | Right pole only | 3VL9800-1SR00 | 1 | 1 unit 1CC |
| 208 ... 277 | -- | Right pole only | 3VL9800-1ST00 | 1 | 1 unit 1CC |
| 380 ... 600 | -- | Right pole only | 3VL9800-1SV00 | 1 | 1 unit 1CC |

Undervoltage releases

For retrofitting

| V AC | V DC | Mounting side | | | |
|-------------|-------------|-----------------|----------------------|---|------------|
| -- | 12 | Right pole only | 3VL9800-1UN00 | 1 | 1 unit 1CC |
| -- | 24 | Right pole only | 3VL9800-1UP00 | 1 | 1 unit 1CC |
| -- | 48 | Right pole only | 3VL9800-1UU00 | 1 | 1 unit 1CC |
| -- | 60 | Right pole only | 3VL9800-1UV00 | 1 | 1 unit 1CC |
| 24 | -- | Right pole only | 3VL9800-1UD00 | 1 | 1 unit 1CC |
| 110 ... 127 | -- | Right pole only | 3VL9800-1UG00 | 1 | 1 unit 1CC |
| -- | 110 ... 127 | Right pole only | 3VL9800-1UR00 | 1 | 1 unit 1CC |
| 208 | -- | Right pole only | 3VL9800-1UM00 | 1 | 1 unit 1CC |
| 220 ... 250 | -- | Right pole only | 3VL9800-1UH00 | 1 | 1 unit 1CC |
| -- | 220 ... 250 | Right pole only | 3VL9800-1US00 | 1 | 1 unit 1CC |
| 277 | -- | Right pole only | 3VL9800-1UQ00 | 1 | 1 unit 1CC |
| 380 ... 415 | -- | Right pole only | 3VL9800-1UJ00 | 1 | 1 unit 1CC |
| 440 ... 480 | -- | Right pole only | 3VL9800-1UK00 | 1 | 1 unit 1CC |
| 500 ... 525 | -- | Right pole only | 3VL9800-1UL00 | 1 | 1 unit 1CC |

Storage devices for shunt releases

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

Rated control supply voltage U_s
220 ... 240 V AC/220 ... 250 V DC

Storage time 5 min

3WL9111-0BA14-0AA0 1 1 unit 1CA

¹⁾ Shunt releases with disconnection contact (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) | SD | Article No. www.siemens.com/product?Article No. | Price per PU | PU (UNIT, SET, M) | PS | PG |
|----------------------|--|----|---|--------------|-------------------|----|----|
| Type | | d | | | | | |

Adapters and 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 | 1CC |
| | 2 HS + 1 AS ¹⁾²⁾ | | -- | | | | |

| | | | | | | | |
|--|-------------|--|----------------------|--|---|--------|-----|
| VL630, VL800, VL1250, VL1600 (3VL5 to 3VL8) | Up to 4 HS | | 3VL9816-2AL00 | | 1 | 1 unit | 1CC |
| | 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 | 1CC |
| | 2 HS + 1 AS ¹⁾²⁾ | | 3VL9400-2AJ10 | | 1 | 1 unit | 1CC |

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

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 | 1CC |
| | 2 HS + 1 AS ¹⁾²⁾ | | 3VL9400-2AJ20 | | 1 | 1 unit | 1CC |

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

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

²⁾ In the case of VL400: 3VL9400-2AJ20 unsuitable for mounting in the right accessory compartment.

| For auxiliary switches (HS) and alarm switches (AS) | SD | Circuit breakers Type | PU (UNIT, SET, M) | PS | PG |
|---|----|---|-------------------|----|----|
| | d | VL160X to VL1600 (3VL1 to 3VL8) | | | |
| | | Article No. www.siemens.com/product?Article No. | Price per PU | | |

Contact blocks for auxiliary switch and alarm switch combinations NEW

| | | | | | | |
|------|--|----------------------|--|---|--------|-----|
| 1 NO | | 3VL9800-2AJ00 | | 1 | 1 unit | 1CC |
| 1 NC | | 3VL9800-2AK00 | | 1 | 1 unit | 1CC |

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 3VL9800-2AJ00
1 HS or 1 AS with NC contact 3VL9800-2AK00

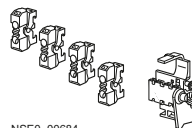
Note:

The products 3VL9800-2AJ00 and 3VL9800-2AK00 will be available at the latest from January 2019.

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 3VL9800-2AJ00 or 3VL9800-2AK00 auxiliary contact blocks and one mounting adapter (right), suitable for VL630, VL800, VL1250, VL1600 (3VL5 to 3VL8) circuit breakers.



NSE0_00684

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






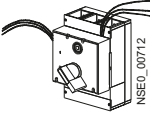
Molded Case Circuit Breakers

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

Product discontinuation

Accessories and spare parts

2

| Version | SD | For VL160X to VL250 (3VL1 to 3VL3) | PU (UNIT, SET, M) | PS | PG |
|--|----|--|-------------------|--------|-----|
| | d | Article No. www.siemens.com/product?Article No. 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 | | | |
| 3VL9.00-3H.00 | | EMERGENCY STOP version | | | |
| | | Red knob, yellow indicator plate | | | |
| | | For safety locks for installation by the customer, see pages 2/86 to 2/90. | | | |
|  | | Front-operated rotary operating mechanisms with shaft stub, without knob¹⁾ | | | |
| 3VL9300-3HE00 | | Without leading auxiliary switch, for auxiliary switches, see below. | 1 | 1 unit | 1CC |
|  | | Door-coupling rotary operating mechanisms, complete¹⁾ | | | |
| 3VL9.00-3H.05 | | Installation in doors and covers | | | |
| | | Degree of protection IP65, including handle ti-gray, 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 | | | |
| | | EMERGENCY STOP version | | | |
| | | Red knob, yellow indicator plate, without leading auxiliary switch | | | |
| | | For safety locks for installation by the customer, see pages 2/86 to 2/90. | | | |
|  | | Leading auxiliary switches for installation in a front-operated rotary operating mechanism, door-coupling rotary operating mechanism or side panel rotary operating mechanism | | | |
| 3VL9.00-3A.10 | | Standard or EMERGENCY STOP version | | | |
| | | "OFF after ON" | | | |
| | | Leading auxiliary switches when switching on | | | |
| | | 1 changeover contact with 1.5 m long cables | 1 | 1 unit | 1CC |
| | | 2 changeover contacts with 1.5 m long cables | 1 | 1 unit | 1CC |
| | | "ON after OFF" | | | |
| | | Leading auxiliary switches when switching off | | | |
| | | 1 changeover contact with 1.5 m long cables | 1 | 1 unit | 1CC |
| | | 2 changeover contacts with 1.5 m long cables | 1 | 1 unit | 1CC |
| Side panel rotary operating mechanisms, complete¹⁾ | | | | | |
| | | Degree of protection IP65, including black knob with masking plate, indicator plate, Bowden cable, lockable with up to 3 padlocks | | | |
| | | - With 600 mm Bowden cable | 1 | 1 unit | 1CC |
| | | - With 1000 mm Bowden cable | 1 | 1 unit | 1CC |
| | | - With 1500 mm Bowden cable | 1 | 1 unit | 1CC |
| Side panel rotary operating mechanisms, complete¹⁾ | | | | | |
| | | EMERGENCY STOP version | | | |
| | | Degree of protection IP65, including red knob with masking plate, yellow indicator plate, Bowden cable, lockable with up to 3 padlocks | | | |
| | | - With 600 mm Bowden cable | 1 | 1 unit | 1CC |
| | | - With 1000 mm Bowden cable | 1 | 1 unit | 1CC |
| | | - With 1500 mm Bowden cable | 1 | 1 unit | 1CC |
| 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 | 1 | 1 unit | 1CC |
| | | | 1 | 1 unit | 1CC |

Additional accessories and components for door-coupling rotary operating mechanisms, [see 2/69.](#)

¹⁾ Not possible on VL160X with RCD module.

²⁾ IP40 with additional masking frame mounted on the door cut-out.



Product discontinuation

Molded Case Circuit Breakers

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

Accessories and spare parts

| SD | For VL400 (3VL4) | Price per PU | PU (UNIT, SET, M) | PS | PG | SD | For VL630 (3VL5) | Price per PU | PU (UNIT, SET, M) | PS | PG |
|----|--|--------------|-------------------|--------|-----|----|--|--------------|-------------------|--------|-----|
| d | Article No. www.siemens.com/ product?Article No. | | | | | d | Article No. www.siemens.com/ product?Article No. | | | | |
| | 3VL9400-3HA00 | | 1 | 1 unit | 1CC | | 3VL9600-3HA00 | | 1 | 1 unit | 1CC |
| | 3VL9400-3HC00 | | 1 | 1 unit | 1CC | | 3VL9600-3HC00 | | 1 | 1 unit | 1CC |
| | 3VL9400-3HE00 | | 1 | 1 unit | 1CC | | 3VL9600-3HE00 | | 1 | 1 unit | 1CC |
| | 3VL9400-3HF05 | | 1 | 1 unit | 1CC | | 3VL9600-3HF05 | | 1 | 1 unit | 1CC |
| | 3VL9400-3HG05 | | 1 | 1 unit | 1CC | | 3VL9600-3HG05 | | 1 | 1 unit | 1CC |
| | 3VL9400-3AS10 | | 1 | 1 unit | 1CC | | 3VL9600-3AS10 | | 1 | 1 unit | 1CC |
| | 3VL9400-3AT10 | | 1 | 1 unit | 1CC | | 3VL9600-3AT10 | | 1 | 1 unit | 1CC |
| | 3VL9400-3AU10 | | 1 | 1 unit | 1CC | | 3VL9600-3AU10 | | 1 | 1 unit | 1CC |
| | 3VL9400-3AW10 | | 1 | 1 unit | 1CC | | 3VL9600-3AW10 | | 1 | 1 unit | 1CC |
| | 3VL9400-3HR10 | | 1 | 1 unit | 1CC | | 3VL9500-3HR10 | | 1 | 1 unit | 1CC |
| | 3VL9400-3HR20 | | 1 | 1 unit | 1CC | | 3VL9500-3HR20 | | 1 | 1 unit | 1CC |
| | 3VL9400-3HR30 | | 1 | 1 unit | 1CC | | 3VL9500-3HR30 | | 1 | 1 unit | 1CC |
| | 3VL9400-3HR11 | | 1 | 1 unit | 1CC | | 3VL9500-3HR11 | | 1 | 1 unit | 1CC |
| | 3VL9400-3HR21 | | 1 | 1 unit | 1CC | | 3VL9500-3HR21 | | 1 | 1 unit | 1CC |
| | 3VL9400-3HR31 | | 1 | 1 unit | 1CC | | 3VL9500-3HR31 | | 1 | 1 unit | 1CC |
| | 3VL9400-3HP00 | | 1 | 1 unit | 1CC | | 3VL9600-3HP00 | | 1 | 1 unit | 1CC |
| | -- | | | | | | -- | | | | |





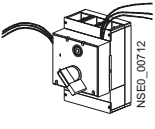
Molded Case Circuit Breakers

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

Product discontinuation

Accessories and spare parts

2

| Version | SD | For VL800 (3VL6) | Price per PU | PU (UNIT, SET, M) | PS | PG |
|--|---|---|--|------------------------------|--|--------------------------------------|
| | d | Article No. www.siemens.com/product?Article.No. | | | | |
| Manual operating mechanisms | | | | | | |
| 3- or 4-pole | | | | | | |
|  3VL9.00-3H.00 | Front-operated rotary operating mechanisms For direct mounting on the circuit breaker, without leading auxiliary switch, degree of protection IP30 ¹⁾ , <u>black</u> , max. 3 padlocks EMERGENCY STOP version Red knob, yellow indicator plate For safety locks for installation by the customer, see pages 2/86 to 2/90. | | 3VL9600-3HA00 3VL9600-3HC00 | 1 1 | 1 unit 1 unit | 1CC 1CC |
| | Front-operated rotary operating mechanisms with shaft stub, without knob Without leading auxiliary switch, for auxiliary switches, see below. | | 3VL9600-3HE00 | 1 | 1 unit | 1CC |
|  3VL9.00-3HE00 | Door-coupling rotary operating mechanisms, complete installation in doors and covers Degree of protection IP65, including handle, <u>ti-gray</u> , with masking plate, indicator plate, removable door coupling (die cast, for VL800 (3VL6) with reduced tolerance compensation), extension shaft (8 × 8 mm for VL800 (3VL6), 12 × 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 EMERGENCY STOP version Red knob, yellow indicator plate without leading auxiliary switch For safety locks for installation by the customer, see pages 2/86 to 2/90. | | 3VL9600-3HF05 3VL9600-3HG05 | 1 1 | 1 unit 1 unit | 1CC 1CC |
| | Leading auxiliary switches for installation in a front-operated rotary operating mechanism, door-coupling rotary operating mechanism Standard or EMERGENCY STOP version "OFF after ON" Leading auxiliary switches when switching on 1 changeover contact with 1.5 m long cables 2 changeover contacts with 1.5 m long cables "ON after OFF" Leading auxiliary switches when switching off 1 changeover contact with 1.5 m long cables 2 changeover contacts with 1.5 m long cables | | 3VL9600-3AS10 3VL9600-3AT10 3VL9600-3AU10 3VL9600-3AW10 | 1 1 1 1 | 1 unit 1 unit 1 unit 1 unit | 1CC 1CC 1CC 1CC |
|  3VL9.00-3A.10 | 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 | | 3VL9600-3HP00 | 1 | 1 unit | 1CC |

Additional accessories and components for door-coupling rotary operating mechanism, see 2/69 and 2/71.

¹⁾ IP40 with additional masking frame mounted on the door cut-out.



Product discontinuation

Molded Case Circuit Breakers

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

Accessories and spare parts

| SD | For VL1250 to VL1600 (3VL7 and 3VL8) | Price per PU | PU (UNIT, SET, M) | PS | PG |
|----|---|-----------------|-------------------------|----|----|
| d | Article No. www.siemens.com/ product?Article No. | | | | |

3VL9800-3HA00 1 1 unit 1CC

3VL9800-3HC00 1 1 unit 1CC

3VL9800-3HE00 1 1 unit 1CC

3VL9800-3HF05 1 1 unit 1CC

3VL9800-3HG05 1 1 unit 1CC

3VL9800-3AS20 1 1 unit 1CC

3VL9800-3AT20 1 1 unit 1CC

3VL9800-3AU10 1 1 unit 1CC

3VL9800-3AW10 1 1 unit 1CC

3VL9800-3HP00 1 1 unit 1CC

2



Molded Case Circuit Breakers

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

Product discontinuation

Accessories and spare parts

2

| Version | SD | Article No. www.siemens.com/ product?Article No. | Price per PU | PU (UNIT, SET, M) | PS | PG |
|---------|----|--|-----------------|-------------------------|----|----|
| | d | | | | | |

Motorized operating mechanisms



3VL9.00-3M.00

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 | | | | |
| 110 ... 127 | 110 ... 127 | | | | |
| 220 ... 250 | 220 ... 250 | | | | |
| | | For VL160X to VL250 (3VL1 to 3VL3) | | | |
| | | 3VL9300-3MJ00 | | 1 | 1 unit 1CC |
| | | 3VL9300-3ML00 | | 1 | 1 unit 1CC |
| | | 3VL9300-3MN00 | | 1 | 1 unit 1CC |
| | | 3VL9300-3MQ00 | | 1 | 1 unit 1CC |
| | | For VL400 (3VL4) | | | |
| | | 3VL9400-3MJ00 | | 1 | 1 unit 1CC |
| | | 3VL9400-3ML00 | | 1 | 1 unit 1CC |
| | | 3VL9400-3MN00 | | 1 | 1 unit 1CC |
| | | 3VL9400-3MQ00 | | 1 | 1 unit 1CC |
| | | For VL630 and VL800 (3VL5 and 3VL6) | | | |
| | | 3VL9600-3MJ00 | | 1 | 1 unit 1CC |
| | | 3VL9600-3ML00 | | 1 | 1 unit 1CC |
| | | 3VL9600-3MN00 | | 1 | 1 unit 1CC |
| | | 3VL9600-3MQ00 | | 1 | 1 unit 1CC |



3VL9.00-3M.10

Motorized operating mechanisms (MO)¹⁾

Degree of protection IP30, with locking device for 3 padlocks

| 50/60 Hz V AC | V DC | | | | |
|---------------|-------------|---|--|---|------------|
| -- | 24 | | | | |
| 42 ... 60 | 42 ... 60 | | | | |
| 110 ... 127 | 110 ... 127 | | | | |
| 220 ... 250 | 220 ... 250 | | | | |
| | | For VL160X (3VL1) | | | |
| | | 3VL9100-3MA10 | | 1 | 1 unit 1CC |
| | | 3VL9100-3MC10 | | 1 | 1 unit 1CC |
| | | 3VL9100-3MD10 | | 1 | 1 unit 1CC |
| | | 3VL9100-3ME10 | | 1 | 1 unit 1CC |
| | | For VL160 and VL250 (3VL2 and 3VL3) | | | |
| | | 3VL9300-3MA10 | | 1 | 1 unit 1CC |
| | | 3VL9300-3MC10 | | 1 | 1 unit 1CC |
| | | 3VL9300-3MD10 | | 1 | 1 unit 1CC |
| | | 3VL9300-3ME10 | | 1 | 1 unit 1CC |
| | | For VL400 (3VL4) | | | |
| | | 3VL9400-3MA10 | | 1 | 1 unit 1CC |
| | | 3VL9400-3MC10 | | 1 | 1 unit 1CC |
| | | 3VL9400-3MD10 | | 1 | 1 unit 1CC |
| | | 3VL9400-3ME10 | | 1 | 1 unit 1CC |
| | | For VL630 and VL800 (3VL5 and 3VL6) | | | |
| | | 3VL9600-3MA10 | | 1 | 1 unit 1CC |
| | | 3VL9600-3MC10 | | 1 | 1 unit 1CC |
| | | 3VL9600-3MD10 | | 1 | 1 unit 1CC |
| | | 3VL9600-3ME10 | | 1 | 1 unit 1CC |
| | | For VL1250 and VL1600²⁾ (3VL7 and 3VL8) | | | |
| | | 3VL9800-3MJ00 | | 1 | 1 unit 1CC |
| | | 3VL9800-3ML00 | | 1 | 1 unit 1CC |
| | | 3VL9800-3MN00 | | 1 | 1 unit 1CC |
| | | 3VL9800-3MQ00 | | 1 | 1 unit 1CC |

Handle lever extension

Handle lever extension

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

| | | For VL400 to VL1600 (3VL4 to 3VL8) | | | |
|--|--|---|--|---|------------|
| | | 3VL9400-3HN00 | | 1 | 1 unit 1CC |
| | | 3VL9600-3HN00 | | 1 | 1 unit 1CC |
| | | 3VL9800-3HN00 | | 1 | 1 unit 1CC |

¹⁾ Not possible on VL160X with RCD module.

²⁾ For safety lock as an assembly kit for retrofitting, see pages 2/86 to 2/90.






Product discontinuation

Molded Case Circuit Breakers

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

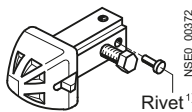
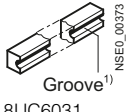
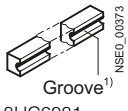
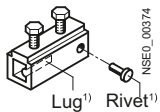

Accessories and spare parts

2

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

¹⁾ Standard: Ti-gray 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 | SD | Individual parts for 8UC6 door-coupling rotary operating mechanisms | PU (UNIT, SET, M) | PS | PG | |
|---|--|----|---|--|------------------|--------------------------------------|--------------------------|
| Type | mm x mm | d | Article No. www.siemens.com/product?Article No. | Price per PU | | | |
| Individual parts for 8UC door-coupling rotary operating mechanisms | | | | | | | |
|  | Coupling drivers for 3VL | | | | | | |
| 8UC6014 | 8UC71 (plastic) 8UC71/8UC72 ²⁾ (die cast) 8UC73/74 (die cast) | | 6 x 6 8 x 8 12 x 12 | 8UC7011-2AA 8UC6017-2AA 8UC6014 | 1 1 1 | 1 unit 1 unit 1 unit | 1CL 1CL 1CL |
|  | Extension shafts 300 mm long | | | | | | |
| 8UC6031 | 8UC71 8UC71/8UC72 8UC73 8UC73/74 | | 6 x 6 8 x 8 10 x 10 12 x 12 | 8UC6031 8UC6032 8UC6033 8UC6034 | 1 1 1 1 | 1 unit 1 unit 1 unit 1 unit | 1CL 1CL 1CL 1CL |
|  | Extension shafts 600 mm long | | | | | | |
| 8UC6081 | 8UC71 8UC71/8UC72 8UC73 8UC73/74 | | 6 x 6 8 x 8 10 x 10 12 x 12 | 8UC6081 8UC6082 8UC6083 8UC6084 | 1 1 1 1 | 1 unit 1 unit 1 unit 1 unit | 1CL 1CL 1CL 1CL |
|  | Shaft couplings | | | | | | |
| 8UC6021 to 8UC6024 | 8UC71 8UC72 8UC73 8UC73/74 | | 6 x 6 8 x 8 10 x 10 12 x 12 | 8UC6021 8UC6022 8UC6023 8UC6024 | 1 1 1 1 | 1 unit 1 unit 1 unit 1 unit | 1CL 1CL 1CL 1CL |
|  | Reducers | | | | | | |
| 8UC7058 | 8UC71 8UC72 | | 8 x 8 to 6 x 6 12 x 12 to 8 x 8 | 8UC7058 8UC7050 | 1 1 | 1 unit 1 unit | 1CL 1CL |

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

Product discontinuation

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 | | |

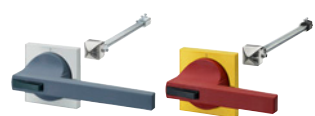
(Supplied with door-coupling rotary operating mechanism, complete 3VL9 300-3H.05)

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 2/64 to 2/67.



Product discontinuation

Molded Case Circuit Breakers

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

Accessories and spare parts

2

| Version | SD | Rotary operating mechanisms, complete ¹⁾ | PU (UNIT, SET, M) | PS | PG | Individual parts of the rotary operating mechanism | | | |
|---|----|---|-------------------|-----|----|--|-----------------------|---------------------------------|-----------------------------|
| Standard: Ti-gray handle, light gray masking plate; EMERGENCY STOP: Red handle, yellow masking plate | d | Article No. www.siemens.com/product?Article No. Price per PU | | | | Handle with masking plate | Coupling drivers | Extension shaft (length 300 mm) | Reducer/shaft coupling |
| | | | | | | Article No. | Article No. | Article No. | Article No. |
| Standard EMERGENCY STOP (Coupling driver made of plastic) | | 8UC7111-6BD15 8UC7121-8BD15 | 1 1 unit | 1CL | | 8UC7110-6BD | □ 6 mm 8UC7011-2AA | □ 6 mm 8UC6031 | □ 8 mm by 6 mm 8UC7058 |
| | | | 1 1 unit | 1CL | | 8UC7120-8BD | 8UC7011-2AA | 8UC6031 | 8UC7058 |
| Standard EMERGENCY STOP (Die cast coupling driver with reduced tolerance compensation) | | 8UC7162-6BD22 8UC7172-8BD22 | 1 1 unit | 1CL | | 8UC7110-6BD | □ 8 mm 8UC6017-2AA | □ 8 mm 8UC6032 | □ 8 mm by 8 mm 8UC6022 |
| | | | 1 1 unit | 1CL | | 8UC7120-8BD | 8UC6017-2AA | 8UC6032 | 8UC6022 |
| Standard EMERGENCY STOP (Die cast coupling driver with reduced tolerance compensation) | | 8UC7262-6BD26 8UC7262-8BD26 | 1 1 unit | 1CL | | 8UC7210-6BD | □ 8 mm 8UC6017-2AA | □ 8 mm 8UC6032 | □ 12 mm by 8 mm 8UC7050 |
| | | | 1 1 unit | 1CL | | 8UC7220-8BD | 8UC6017-2AA | 8UC6032 | 8UC7050 |
| Standard EMERGENCY STOP (Die cast coupling driver) | | 8UC7314-6BD44 8UC7324-8BD44 | 1 1 unit | 1CL | | 8UC7310-6BD | □ 12 mm 8UC6014 | □ 12 mm 8UC6034 | □ 12 mm by 12 mm 8UC6024 |
| | | | 1 1 unit | 1CL | | 8UC7320-8BD | 8UC6014 | 8UC6034 | 8UC6024 |



Molded Case Circuit Breakers

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

Product discontinuation

Accessories and spare parts

2

| Version | SD | For VL160X (3VL1) | Price per PU | PU (UNIT, SET, M) | PS | PG |
|--|--------|--|--------------|-------------------|--------|-----|
| | d | Article No. www.siemens.com/product?Article No. | | | | |
| 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 connections | | | | | | |
| 3-pole | | 3VL9100-4PA30 | | 1 | 1 unit | 1CC |
| 4-pole | | 3VL9100-4PA40 | | 1 | 1 unit | 1CC |
| Front connections | | | | | | |
| 3-pole | | 3VL9100-4PC30 | | 1 | 1 unit | 1CC |
| 4-pole | | 3VL9100-4PC40 | | 1 | 1 unit | 1CC |
| Withdrawable versions | | | | | | |
| Same as plug-in base assembly kit, with additional side panels and racking mechanism | | | | | | |
| Rear connections | | | | | | |
| 3-pole | | -- | | | | |
| 4-pole | | -- | | | | |
| Front connections | | | | | | |
| 3-pole | | -- | | | | |
| 4-pole | | -- | | | | |
| 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 | 1CC |
| 1 set = 8 units | 4-pole | 3VL9100-4PS40 | | 1 | 1 unit | 1CC |
| Trip pins and springs | | | | | | |
| As replacement for plug-in/withdrawable circuit breaker | | | | | | |
| | | 3VL9100-4PF00 | | 1 | 1 unit | 1CC |
| 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) | | | | | | |
| | | 1) | | | | |
| 8 terminals | | 3VL9300-4PJ00 | | 1 | 1 unit | 1CC |
| Position signaling switches | | | | | | |
| (connected/disconnected position) For plug-in/withdrawable base, 1 changeover contact, max. 2 signaling switches possible | | | | | | |
| | | 3VL9000-4WL00 | | 1 | 1 unit | 1CC |



3VL9.00-4PA30



3VL9.00-4WA30



3VL9000-4WL00

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



Product discontinuation

Molded Case Circuit Breakers

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

Accessories and spare parts

| SD | For VL160 (3VL2) | Price per PU | PU (UNIT, SET, M) | PS | PG | SD | For VL250 (3VL3) | Price per PU | PU (UNIT, SET, M) | PS | PG |
|----|---|--------------|-------------------|------------------|------------|----|---|--------------|-------------------|------------------|------------|
| d | Article No. www.siemens.com/product?Article No. | | | | | d | Article No. www.siemens.com/product?Article No. | | | | |
| | 3VL9200-4PA30 3VL9200-4PA40 | | 1 1 | 1 unit 1 unit | 1CC 1CC | | 3VL9300-4PA30 3VL9300-4PA40 | | 1 1 | 1 unit 1 unit | 1CC 1CC |
| | 3VL9200-4PC30 3VL9200-4PC40 | | 1 1 | 1 unit 1 unit | 1CC 1CC | | 3VL9300-4PC30 3VL9300-4PC40 | | 1 1 | 1 unit 1 unit | 1CC 1CC |
| | 3VL9200-4WA30 3VL9200-4WA40 | | 1 1 | 1 unit 1 unit | 1CC 1CC | | 3VL9300-4WA30 3VL9300-4WA40 | | 1 1 | 1 unit 1 unit | 1CC 1CC |
| | 3VL9200-4WC30 3VL9200-4WC40 | | 1 1 | 1 unit 1 unit | 1CC 1CC | | 3VL9300-4WC30 3VL9300-4WC40 | | 1 1 | 1 unit 1 unit | 1CC 1CC |
| | 3VL9200-4PS30 3VL9200-4PS40 | | 1 1 | 1 unit 1 unit | 1CC 1CC | | 3VL9300-4PS30 3VL9300-4PS40 | | 1 1 | 1 unit 1 unit | 1CC 1CC |
| | 3VL9300-4PF00 | | 1 | 1 unit | 1CC | | 3VL9300-4PF00 | | 1 | 1 unit | 1CC |
| | 1) 3VL9300-4PJ00 3VL9000-4WL00 | | 1 1 | 1 unit 1 unit | 1CC 1CC | | 1) 3VL9300-4PJ00 3VL9000-4WL00 | | 1 1 | 1 unit 1 unit | 1CC 1CC |

2



Molded Case Circuit Breakers

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

Product discontinuation

Accessories and spare parts

2

| Version | SD | For VL400 (3VL4) | Price per PU | PU (UNIT, SET, M) | PS | PG |
|--|----|--|--------------|-------------------|----|----|
| | d | Article No. www.siemens.com/product?Article No. | | | | |
| 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 connections | | | | | | |
| 3-pole | | | | | | |
| 4-pole | | | | | | |
| Front connections | | | | | | |
| 3-pole | | | | | | |
| 4-pole | | | | | | |
| Withdrawable versions | | | | | | |
| Same as plug-in base assembly kit, with additional side panels and racking mechanism | | | | | | |
| Rear connections³⁾ | | | | | | |
| 3-pole | | | | | | |
| 4-pole | | | | | | |
| Front connections | | | | | | |
| 3-pole | | | | | | |
| 4-pole | | | | | | |
| 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 | | | | | | |
| 1 set = 8 units 4-pole | | | | | | |
| Trip pins and springs | | | | | | |
| As replacement for plug-in/withdrawable circuit breaker | | | | | | |
| 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) | | | | | | |
| 2) | | | | | | |
| 8 terminals | | | | | | |
| 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.



Product discontinuation

Molded Case Circuit Breakers

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

Accessories and spare parts

| SD | For VL630 (3VL5) | Price per PU | PU (UNIT, SET, M) | PS | PG | SD | For VL800 (3VL6) | Price per PU | PU (UNIT, SET, M) | PS | PG |
|----|--|--------------|-------------------|------------------|------------|----|--|--------------|-------------------|------------------|------------|
| d | Article No. www.siemens.com/ product?Article No. | | | | | d | Article No. www.siemens.com/ product?Article No. | | | | |
| | 3VL9500-4PA30 3VL9500-4PA40 | | 1 1 | 1 unit 1 unit | 1CC 1CC | | -- -- | | | | |
| | 3VL9500-4PC30 3VL9500-4PC40 | | 1 1 | 1 unit 1 unit | 1CC 1CC | | -- -- | | | | |
| | 3VL9500-4WA30 3VL9500-4WA40 | | 1 1 | 1 unit 1 unit | 1CC 1CC | | 3VL9600-4WA30 3VL9600-4WA40 | | 1 1 | 1 unit 1 unit | 1CC 1CC |
| | 3VL9500-4WC30 3VL9500-4WC40 | | 1 1 | 1 unit 1 unit | 1CC 1CC | | 3VL9600-4WC30 3VL9600-4WC40 | | 1 1 | 1 unit 1 unit | 1CC 1CC |
| | 3VL9500-4PS30 3VL9500-4PS40 | | 1 1 | 1 unit 1 unit | 1CC 1CC | | 3VL9600-4PS30 3VL9600-4PS40 | | 1 1 | 1 unit 1 unit | 1CC 1CC |
| | 3VL9500-4PF00 | | 1 | 1 unit | 1CC | | 3VL9600-4PF00 | | 1 | 1 unit | 1CC |
| | 2) 3VL9600-4PJ00 | | 1 | 1 unit | 1CC | | 2) 3VL9600-4PJ00 | | 1 | 1 unit | 1CC |
| | 3VL9000-4WL00 | | 1 | 1 unit | 1CC | | 3VL9000-4WL00 | | 1 | 1 unit | 1CC |

2



Molded Case Circuit Breakers

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

Product discontinuation

Accessories and spare parts

2

| Version | SD | For VL1250 (3VL7) | Price per PU | PU (UNIT, SET, M) | PS | PG |
|--|----|--|--------------|-------------------|----|----|
| | d | Article No. www.siemens.com/product?Article No. | | | | |
| 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 connections | | | | | | |
| 3-pole | | | | | | |
| 4-pole | | | | | | |
| Front connections | | | | | | |
| 3-pole | | | | | | |
| 4-pole | | | | | | |
| Withdrawable versions | | | | | | |
| Same as plug-in base assembly kit, with additional side panels and racking mechanism | | | | | | |
| Rear connections¹⁾ | | | | | | |
| 3-pole | | | | | | |
| 4-pole | | | | | | |
| Front connections | | | | | | |
| 3-pole | | | | | | |
| 4-pole | | | | | | |
| Blade contacts | | | | | | |
| As replacement for converting fixed-mounted circuit breakers into plug-in/withdrawable circuit breakers, including trip pin | | | | | | |
| 1 set = 6 units | | | | | | |
| 1 set = 8 units | | | | | | |
| 3-pole | | | | | | |
| 4-pole | | | | | | |
| Trip pins and springs | | | | | | |
| As replacement for plug-in/withdrawable circuit breaker | | | | | | |
| 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 | | | | | | |
| 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⁾ 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).



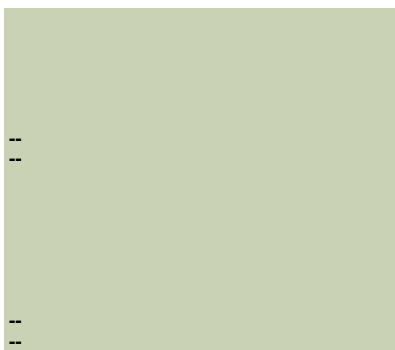
Product discontinuation

Molded Case Circuit Breakers

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

Accessories and spare parts

| SD | For VL1600 (3VL8) | Price per PU | PU (UNIT, SET, M) | PS | PG |
|----|---|--------------|-------------------|----|----|
| d | Article No. www.siemens.com/product?Article No. | | | | |



3VL9800-4WA30
3VL9800-4WA40

1 1 unit 1CC
1 1 unit 1CC

3VL9800-4WC30
3VL9800-4WC40

1 1 unit 1CC
1 1 unit 1CC

3VL9800-4PS30
3VL9800-4PS40

1 1 unit 1CC
1 1 unit 1CC

3VL9800-4PF00

1 1 unit 1CC

2)

3VL9800-4PJ00

1 1 unit 1CC

3VL9000-4WL00

1 1 unit 1CC

2



Molded Case Circuit Breakers

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


Product discontinuation

Accessories and spare parts

2

| Circuit breakers for line protection, only for TM, starters, disconnectors | Rated current I_n | Residual currents / adjustable | Delay t_d adjustable | Rated operational voltage U_e | SD | Article No. www.siemens.com/product?Article No. | Price per PU | PU (UNIT, SET, M) | PS | PG |
|---|---------------------|--------------------------------|------------------------|---------------------------------|----|---|--------------|-------------------|----|----|
| | A | A | s | V AC | d | | | | | |


RCD modules

| 3-pole | | | | | | | | | | |
|---|---------------------------------|------|---------------|------|-------------|----------------------|--|---|--------|-----|
|  | VL160X (3VL1) | 0.03 | Instantaneous | | | | | | | |
| | Bottom mounting ¹⁾²⁾ | 160 | 0.10 | 0.06 | 127 ... 480 | 3VL9112-5GA30 | | 1 | 1 unit | 1CC |
| | VL160 (3VL2) | 160 | 0.30 | 0.10 | 127 ... 480 | 3VL9216-5GC30 | | 1 | 1 unit | 1CC |
| | | | 0.50 | 0.25 | 230 ... 690 | 3VL9216-5GD30 | | 1 | 1 unit | 1CC |
| | VL250 (3VL3) | 250 | 1.00 | 0.50 | 127 ... 480 | 3VL9325-5GE30 | | 1 | 1 unit | 1CC |
| | | | 3.00 | 1.00 | 230 ... 690 | 3VL9325-5GF30 | | 1 | 1 unit | 1CC |
| | 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 | 1CC |
| | VL160 (3VL2) | 160 | 0.30 | 0.10 | 127 ... 480 | 3VL9216-5GC40 | | 1 | 1 unit | 1CC |
| | | | 0.50 | 0.25 | 230 ... 690 | 3VL9216-5GD40 | | 1 | 1 unit | 1CC |
| | VL250 (3VL3) | 250 | 1.00 | 0.50 | 127 ... 480 | 3VL9325-5GE40 | | 1 | 1 unit | 1CC |
| | | | 3.00 | 1.00 | 230 ... 690 | 3VL9325-5GF40 | | 1 | 1 unit | 1CC |
| | VL400 (3VL4) | 400 | | | 127 ... 480 | 3VL9440-5GG40 | | 1 | 1 unit | 1CC |
| | | | | | 230 ... 690 | 3VL9440-5GH40 | | 1 | 1 unit | 1CC |


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

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

Circuit breakers with RCD module









| 3 and 4-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".

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 cable interlocking.



| Version | SD | For VL160X (3VL1) | Price per PU | PU (UNIT, SET, M) | PS | PG |
|--|-----------------|-------------------|----------------------|-------------------|--------|-----|
| Connection parts for fixed-mounted circuit breakers¹⁾ | | | | | | |
| 3- or 4-pole | | | | | | |
| Front connecting bars²⁾ | | | | | | |
| Phase barriers included. | | | | | | |
| Standard | | | | | | |
|  | 1 set = 3 units | 3-pole | 3VL9216-4EC30 | 1 | 1 unit | 1CC |
| | 1 set = 4 units | 4-pole | 3VL9216-4EC40 | 1 | 1 unit | 1CC |
| 3VL9216-4EC40 | | | | | | |
| For increased pole spacing | | | | | | |
|  | 1 set = 3 units | 3-pole | 3VL9216-4ED30 | 1 | 1 unit | 1CC |
| | 1 set = 4 units | 4-pole | 3VL9216-4ED40 | 1 | 1 unit | 1CC |
| 3VL9216-4ED40 | | | | | | |
| Rear connections | | | | | | |
| Short connection (1 unit) | | | | | | |
|  | | | 3VL9100-4RA00 | 1 | 1 unit | 1CC |
| Long connection (1 unit) | | | | | | |
| | | | 3VL9100-4RB00 | 1 | 1 unit | 1CC |
| 3VL9.00-4RA00, 3VL9.00-4RB00 | | | | | | |
| Terminal kit (2 short + 1 long) | | | | | | |
| 3-pole | | | | | | |
| | | | 3VL9100-4RC30 | 1 | 1 unit | 1CC |
| Terminal kit (2 short + 2 long) | | | | | | |
| 4-pole | | | | | | |
| | | | 3VL9100-4RF40 | 1 | 1 unit | 1CC |
| Short flat connection (1 unit) | | | | | | |
| | | | 3VL9100-4RK00 | 1 | 1 unit | 1CC |
| Long flat connection (1 unit) | | | | | | |
| | | | 3VL9100-4RL00 | 1 | 1 unit | 1CC |
| 3VL9.00-4RK00, 3VL9.00-4RL00 | | | | | | |
| Flat connector kit (2 short + 1 long) | | | | | | |
| 3-pole | | | | | | |
| | | | 3VL9100-4RM30 | 1 | 1 unit | 1CC |
| Flat connector kit (2 short + 2 long) | | | | | | |
| 4-pole | | | | | | |
| | | | 3VL9100-4RN40 | 1 | 1 unit | 1CC |
| Box terminals | | | | | | |
| 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 | 1CC |
| | 1 set = 4 units | | 3VL9100-4TC40 | 1 | 1 unit | 1CC |
| 3VL9.00-4TC.0 | | | | | | |
| Circular conductor terminals | | | | | | |
| Only for cables (Al or Cu), aluminum terminal (tinned) | | | | | | |
|  | 1 set = 3 units | | 3VL9100-4TD30 | 1 | 1 unit | 1CC |
| | 1 set = 4 units | | 3VL9100-4TD40 | 1 | 1 unit | 1CC |
| 3VL9.00-4TD.0 | | | | | | |
| Circular conductor terminals with terminal covers for cables (Al or Cu) | | | | | | |
| | 1 set = 3 units | | 3VL9115-4TD30 | 1 | 1 unit | 1CC |
| | 1 set = 4 units | | 3VL9115-4TD40 | 1 | 1 unit | 1CC |
| Auxiliary conductor terminals | | | | | | |
| | | | 3VL9200-3TN00 | 1 | 1 unit | 1CC |
| For box terminals/circular conductor terminals | | | | | | |
| | | | | | | |
| 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 | 1CC |
| | 1 set = 4 units | | 3VL9116-4TA40 | 1 | 1 unit | 1CC |
| 3VL9...-4TA.0 | | | | | | |
| Connection covers (terminal covers) for circuit breakers | | | | | | |
| Degree of protection IP30 for main connections | | | | | | |
|  | 1 set = 2 units | | | | | |
| 3VL9.00-8CB.0 | | | | | | |
| Extended | | | | | | |
| | 3-pole | | 3VL9300-8CA30 | 1 | 1 unit | 1CC |
| Standard | | | | | | |
| | 3-pole | | 3VL9300-8CB30 | 1 | 1 unit | 1CC |
| Extended | | | | | | |
| | 4-pole | | 3VL9300-8CA40 | 1 | 1 unit | 1CC |
| Standard | | | | | | |
| | 4-pole | | 3VL9300-8CB40 | 1 | 1 unit | 1CC |
| Phase barriers for circuit breakers, fixed-mounted, plug-in or withdrawable versions | | | | | | |
|  | 1 set = 2 units | | 3VL9300-8CE00 | 1 | 1 unit | 1CC |
| 3VL9.00-8CE00 | | | | | | |

¹⁾ For an overview of connectable connection parts, see page 2/9.

²⁾ 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.










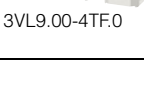



Molded Case Circuit Breakers

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

Product discontinuation

Accessories and spare parts

2

| Version | SD | For VL160 (3VL2) | Price per PU | PU (UNIT, SET, M) | PS | PG |
|--|----|------------------|----------------------|-------------------|--------|-----|
| Connection parts for fixed-mounted circuit breakers¹⁾ | | | | | | |
| 3- or 4-pole | | | | | | |
| Front connecting bars²⁾ | | | | | | |
| Phase barriers included. | | | | | | |
| Standard | | | | | | |
|  | | 3-pole | 3VL9216-4EC30 | 1 | 1 unit | 1CC |
| | | 4-pole | 3VL9216-4EC40 | 1 | 1 unit | 1CC |
| For increased pole spacing | | | | | | |
|  | | 3-pole | 3VL9216-4ED30 | 1 | 1 unit | 1CC |
| | | 4-pole | 3VL9216-4ED40 | 1 | 1 unit | 1CC |
| Rear connections | | | | | | |
| Short connection (1 unit) | | | | | | |
| Long connection (1 unit) | | | | | | |
| Terminal kit (2 short + 1 long) 3-pole | | | | | | |
| Terminal kit (2 short + 2 long) 4-pole | | | | | | |
|  | | | 3VL9200-4RA00 | 1 | 1 unit | 1CC |
| | | | 3VL9200-4RB00 | 1 | 1 unit | 1CC |
| | | | 3VL9200-4RC30 | 1 | 1 unit | 1CC |
| | | | 3VL9200-4RF40 | 1 | 1 unit | 1CC |
| Short flat connection (1 unit) | | | | | | |
| Long flat connection (1 unit) | | | | | | |
|  | | | 3VL9200-4RK00 | 1 | 1 unit | 1CC |
| | | | 3VL9200-4RL00 | 1 | 1 unit | 1CC |
| Flat connector kit (2 short + 1 long) 3-pole | | | | | | |
| Flat connector kit (2 short + 2 long) 4-pole | | | | | | |
| | | | 3VL9200-4RM30 | 1 | 1 unit | 1CC |
| | | | 3VL9200-4RN40 | 1 | 1 unit | 1CC |
| Box terminal | | | | | | |
| Connection for flexible flat copper busbar or cable, see Technical Information at www.siemens.com/lowvoltage/product-support . | | | | | | |
|  | | | 3VL9200-4TC30 | 1 | 1 unit | 1CC |
| | | | 3VL9200-4TC40 | 1 | 1 unit | 1CC |
| Circular conductor terminals | | | | | | |
| Only for cables (Al or Cu), aluminum terminal (tinned) | | | | | | |
|  | | | 3VL9200-4TD30 | 1 | 1 unit | 1CC |
| | | | 3VL9200-4TD40 | 1 | 1 unit | 1CC |
| Circular conductor terminals with terminal covers for cables (Al or Cu) | | | | | | |
|  | | | 3VL9215-4TD30 | 1 | 1 unit | 1CC |
| | | | 3VL9215-4TD40 | 1 | 1 unit | 1CC |
| Multiple feed-in terminal without terminal covers | | | | | | |
|  | | | -- | | | |
| | | | -- | | | |
| Multiple feed-in terminal with terminal covers | | | | | | |
| | | | -- | | | |
| | | | -- | | | |
| Auxiliary conductor terminals | | | | | | |
| For box terminals/circular conductor terminals/multiple feed-in terminals | | | | | | |
| 1 set = 10 units | | | | | | |
| | | | 3VL9200-3TN00 | 1 | 1 unit | 1CC |
| 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 . | | | | | | |
|  | | | 3VL9216-4TA30 | 1 | 1 unit | 1CC |
| | | | 3VL9216-4TA40 | 1 | 1 unit | 1CC |
| Connection covers (terminal covers) for circuit breakers | | | | | | |
| Degree of protection IP30 for main connections | | | | | | |
| 1 set = 2 units | | | | | | |
|  | | | 3VL9300-8CA30 | 1 | 1 unit | 1CC |
| | | | 3VL9300-8CB30 | 1 | 1 unit | 1CC |
| | | | 3VL9300-8CA40 | 1 | 1 unit | 1CC |
| | | | 3VL9300-8CB40 | 1 | 1 unit | 1CC |
| Phase barriers for circuit breakers, fixed-mounted, plug-in or withdrawable versions | | | | | | |
|  | | | 3VL9300-8CE00 | 1 | 1 unit | 1CC |

¹⁾ For an overview of connectable connection parts, see page 2/9.

²⁾ 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.



Product discontinuation

Molded Case Circuit Breakers

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

Accessories and spare parts

| SD | For VL250 (3VL3) | Price per PU | PU (UNIT, SET, M) | PS | PG | SD | For VL400 (3VL4) | Price per PU | PU (UNIT, SET, M) | PS | PG |
|----|--|--------------|--------------------------------------|--|--|----|--|--------------|--------------------------------------|--|--|
| d | Article No. www.siemens.com/ product?Article No. | | | | | d | Article No. www.siemens.com/ product?Article No. | | | | |
| | 3VL9300-4EC30 3VL9300-4EC40 | | 1 1 | 1 unit 1 unit | 1CC 1CC | | 3VL9400-4EC30 3VL9400-4EC40 | | 1 1 | 1 unit 1 unit | 1CC 1CC |
| | 3VL9300-4ED30 3VL9300-4ED40 | | 1 1 | 1 unit 1 unit | 1CC 1CC | | 3VL9400-4ED30 3VL9400-4ED40 | | 1 1 | 1 unit 1 unit | 1CC 1CC |
| | 3VL9300-4RA00 3VL9300-4RB00 3VL9300-4RC30 3VL9300-4RF40 3VL9300-4RK00 3VL9300-4RL00 3VL9300-4RM30 3VL9300-4RN40 | | 1 1 1 1 1 1 1 1 | 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit | 1CC 1CC 1CC 1CC 1CC 1CC 1CC 1CC | | 3VL9400-4RA00 3VL9400-4RB00 3VL9400-4RC30 3VL9400-4RF40 3VL9400-4RK00 3VL9400-4RL00 3VL9400-4RM30 3VL9400-4RN40 | | 1 1 1 1 1 1 1 1 | 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit | 1CC 1CC 1CC 1CC 1CC 1CC 1CC 1CC |
| | 3VL9300-4TC30 3VL9300-4TC40 | | 1 1 | 1 unit 1 unit | 1CC 1CC | | 3VL9400-4TC30 3VL9400-4TC40 | | 1 1 | 1 unit 1 unit | 1CC 1CC |
| | 3VL9300-4TD30 3VL9300-4TD40 | | 1 1 | 1 unit 1 unit | 1CC 1CC | | 3VL9400-4TD30 3VL9400-4TD40 | | 1 1 | 1 unit 1 unit | 1CC 1CC |
| | 3VL9324-4TD30 3VL9324-4TD40 | | 1 1 | 1 unit 1 unit | 1CC 1CC | | -- -- | | | | |
| | -- -- | | | | | | 3VL9400-4TF30 3VL9400-4TF40 | | 1 1 | 1 unit 1 unit | 1CC 1CC |
| | -- -- | | | | | | 3VL9460-4TF30 3VL9460-4TF40 | | 1 1 | 1 unit 1 unit | 1CC 1CC |
| | 3VL9300-3TN00 | | 1 | 1 unit | 1CC | | 3VL9400-3TN00 | | 1 | 1 unit | 1CC |
| | 3VL9300-4TA30 3VL9300-4TA40 | | 1 1 | 1 unit 1 unit | 1CC 1CC | | 3VL9400-4TA30 3VL9400-4TA40 | | 1 1 | 1 unit 1 unit | 1CC 1CC |
| | 3VL9300-8CA30 3VL9300-8CB30 3VL9300-8CA40 3VL9300-8CB40 | | 1 1 1 1 | 1 unit 1 unit 1 unit 1 unit | 1CC 1CC 1CC 1CC | | 3VL9400-8CA30 3VL9400-8CB30 3VL9400-8CA40 3VL9400-8CB40 | | 1 1 1 1 | 1 unit 1 unit 1 unit 1 unit | 1CC 1CC 1CC 1CC |
| | 3VL9300-8CE00 | | 1 | 1 unit | 1CC | | 3VL9600-8CE00 | | 1 | 1 unit | 1CC |



Molded Case Circuit Breakers

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

Product discontinuation

Accessories and spare parts

2

| Version | SD | For VL630 (3VL5) | Price per PU | PU (UNIT, SET, M) | PS | PG |
|--|-----------------|------------------|--|-------------------|--------|-----|
| Connection parts for fixed-mounted circuit breakers¹⁾ | | | | | | |
| 3- or 4-pole | | | | | | |
| Front connecting bars Phase barriers included. | | | | | | |
| Standard | | | | | | |
| 3VL9500-4EC40 | 1 set = 3 units | 3-pole | 3VL9500-4EC30 3VL9500-4EC40 | 1 | 1 unit | 1CC |
| | 1 set = 4 units | 4-pole | | 1 | 1 unit | 1CC |
| For increased pole spacing | | | | | | |
| 3VL9500-4ED40 | 1 set = 3 units | 3-pole | 3VL9500-4ED30 3VL9500-4ED40 | 1 | 1 unit | 1CC |
| | 1 set = 4 units | 4-pole | | 1 | 1 unit | 1CC |
| Flat connecting bar (1 unit) Flat connecting bars Set = 3 units, 3-pole Flat connecting bars Set = 4 units, 4-pole | | | | | | |
| 3VL9.00-4RG00 | | | 3VL9500-4RG00 | 1 | 1 unit | 1CC |
| | | | 3VL9500-4RH30 | 1 | 1 unit | 1CC |
| | | | 3VL9500-4RH40 | 1 | 1 unit | 1CC |
| Multiple feed-in terminals Only for cables (Al or Cu) Aluminum terminal (tinned) | | | | | | |
| 3VL9.00-4TG.0 | 1 set = 3 units | | 3VL9500-4TG30 3VL9500-4TG40 | 1 | 1 unit | 1CC |
| | 1 set = 4 units | | | 1 | 1 unit | 1CC |
| Auxiliary conductor terminals For multiple feed-in terminals 1 set = 10 units | | | | | | |
| | | | 3VL9400-3TN00 | 1 | 1 unit | 1CC |
| Terminal plates²⁾ Connection for flexible flat copper busbar with auxiliary conductor connection 0.5 – 4 mm ² (extended terminal covers or phase barriers required) | | | | | | |
| 3VL9.00-4TT.0 | 1 set = 3 units | | 3VL9500-4TT30 3VL9500-4TT40 | 1 | 1 unit | 1CC |
| | 1 set = 4 units | | | 1 | 1 unit | 1CC |
| 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 . | | | | | | |
| 3VL9.00-4TA.0 | 1 set = 3 units | | 3VL9500-4TA30 3VL9500-4TA40 | 1 | 1 unit | 1CC |
| | 1 set = 4 units | | | 1 | 1 unit | 1CC |
| 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 | 3VL9600-8CA30 | 1 | 1 unit | 1CC |
| | Standard | 3-pole | 3VL9600-8CB30 | 1 | 1 unit | 1CC |
| | Extended | 4-pole | 3VL9600-8CA40 | 1 | 1 unit | 1CC |
| | Standard | 4-pole | 3VL9600-8CB40 | 1 | 1 unit | 1CC |
| Phase barriers for circuit breakers, fixed-mounted, plug-in or withdrawable versions³⁾ 1 set = 2 units | | | | | | |
| 3VL9.00-8CE00 | | | 3VL9600-8CE00 | 1 | 1 unit | 1CC |

¹⁾ For an overview of connectable connection parts, see page 2/9.

²⁾ Front connecting bars included in scope of supply; not for 690 V AC/600 V DC.



Product discontinuation

Molded Case Circuit Breakers

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

Accessories and spare parts

| SD | For VL800 (3VL6) | Price per PU | PU (UNIT, SET, M) | PS | PG | SD | For VL1250 (3VL7) | Price per PU | PU (UNIT, SET, M) | PS | PG |
|----|--|--------------|-------------------|--------|-----|----|--|--------------|-------------------|--------|-----|
| d | Article No. www.siemens.com/product?Article No. | | | | | d | Article No. www.siemens.com/product?Article No. | | | | |
| | 3VL9600-4EC30 | | 1 | 1 unit | 1CC | | 3VL9800-4EC30 | | 1 | 1 unit | 1CC |
| | 3VL9600-4EC40 | | 1 | 1 unit | 1CC | | 3VL9800-4EC40 | | 1 | 1 unit | 1CC |
| | 3VL9600-4ED30 | | 1 | 1 unit | 1CC | | -- | | | | |
| | 3VL9600-4ED40 | | 1 | 1 unit | 1CC | | -- | | | | |
| | 3VL9600-4RG00 | | 1 | 1 unit | 1CC | | 3VL9700-4RG00 | | 1 | 1 unit | 1CC |
| | 3VL9600-4RH30 | | 1 | 1 unit | 1CC | | 3VL9700-4RH30 | | 1 | 1 unit | 1CC |
| | 3VL9600-4RH40 | | 1 | 1 unit | 1CC | | 3VL9700-4RH40 | | 1 | 1 unit | 1CC |
| | 3VL9600-4TG30 | | 1 | 1 unit | 1CC | | 3VL9700-4TG30 | | 1 | 1 unit | 1CC |
| | 3VL9600-4TG40 | | 1 | 1 unit | 1CC | | 3VL9700-4TG40 | | 1 | 1 unit | 1CC |
| | 3VL9400-3TN00 | | 1 | 1 unit | 1CC | | 3VL9400-3TN00 | | 1 | 1 unit | 1CC |
| | -- | | | | | | -- | | | | |
| | -- | | | | | | -- | | | | |
| | 3VL9600-4TA30 | | 1 | 1 unit | 1CC | | 3VL9800-4TA30 | | 1 | 1 unit | 1CC |
| | 3VL9600-4TA40 | | 1 | 1 unit | 1CC | | 3VL9800-4TA40 | | 1 | 1 unit | 1CC |
| | 3VL9600-8CA30 | | 1 | 1 unit | 1CC | | 3VL9800-8CA30 | | 1 | 1 unit | 1CC |
| | 3VL9600-8CB30 | | 1 | 1 unit | 1CC | | 3VL9800-8CB30 | | 1 | 1 unit | 1CC |
| | 3VL9600-8CA40 | | 1 | 1 unit | 1CC | | 3VL9800-8CA40 | | 1 | 1 unit | 1CC |
| | 3VL9600-8CB40 | | 1 | 1 unit | 1CC | | 3VL9800-8CB40 | | 1 | 1 unit | 1CC |
| | 3VL9600-8CE00 | | 1 | 1 unit | 1CC | | 3VL9800-8CE00 | | 1 | 1 unit | 1CC |

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









Molded Case Circuit Breakers

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

Product discontinuation

Accessories and spare parts

2

| Version | SD | For VL1600 (3VL8) | Price per PU | PU (UNIT, SET, M) | PS | PG |
|--|---|-------------------|----------------------|-------------------|--------|-----|
| Connection parts for fixed-mounted circuit breakers¹⁾ | | | | | | |
| 3- or 4-pole | | | | | | |
| Front connecting bars Phase barriers included. | | | | | | |
| Standard²⁾ | | | | | | |
|  3VL9800-4EC40 | 1 set = 3 units | 3-pole | 3VL9800-4EC30 | 1 | 1 unit | 1CC |
| | 1 set = 4 units | 4-pole | 3VL9800-4EC40 | 1 | 1 unit | 1CC |
| For increased pole spacing | | | | | | |
|  3VL9800-4ED40 | 1 set = 3 units | 3-pole | -- | | | |
| | 1 set = 4 units | 4-pole | -- | | | |
| Rear connections | | | | | | |
|  3VL9.00-4RG00 | Flat connecting bar (1 unit) | | 3VL9800-4RG00 | 1 | 1 unit | 1CC |
| | Flat connecting bars Set = 3 units, 3-pole | | 3VL9800-4RH30 | 1 | 1 unit | 1CC |
| | Flat connecting bars Set = 4 units, 4-pole | | 3VL9800-4RH40 | 1 | 1 unit | 1CC |
| 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 . | | | | | | |
|  3VL9.00-4TA.0 | 1 set = 3 units | | 3VL9800-4TA30 | 1 | 1 unit | 1CC |
| | 1 set = 4 units | | 3VL9800-4TA40 | 1 | 1 unit | 1CC |
| Connection covers (terminal covers) for circuit breakers Degree of protection IP30 for main connections | | | | | | |
|  NSE0_00730 3VL9.00-3CB.0 | 1 set = 2 units | | | | | |
| | Extended | 3-pole | 3VL9800-8CA30 | 1 | 1 unit | 1CC |
| | Standard | 3-pole | 3VL9800-8CB30 | 1 | 1 unit | 1CC |
| | Extended | 4-pole | 3VL9800-8CA40 | 1 | 1 unit | 1CC |
| | Standard | 4-pole | 3VL9800-8CB40 | 1 | 1 unit | 1CC |
| Phase barriers for circuit breakers, fixed-mounted | | | | | | |
|  NSE0_00731 3VL9.00-8CE00 | 1 set = 2 units | | 3VL9800-8CE00 | 1 | 1 unit | 1CC |

¹⁾ For an overview of connectable connection parts, see page 2/9.

²⁾ In scope of supply of circuit breaker.



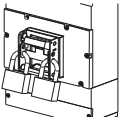
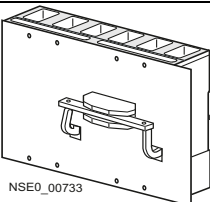
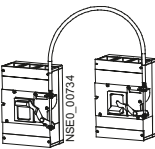
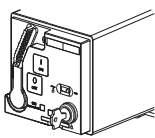
Product discontinuation

Molded Case Circuit Breakers

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

Accessories and spare parts

2

| Version | SD | For VL160X (3VL1) | Price per PU | PU (UNIT, SET, M) | PS | PG |
|---|----|----------------------|--------------|-------------------|--------|-----|
| Interlocks | | | | | | |
| 3- or 4-pole | | | | | | |
| Locking devices for toggle levers | | | | | | |
| For locking the circuit breaker in the "OFF" position. Up to 3 padlocks with a diameter of 5–8 mm can be used. Removable (padlocks not included) | | | | | | |
|  NSE0_00732 3VL9.00-3HL00 | | 3VL9300-3HL00 | | 1 | 1 unit | 1CC |
| Rear interlocking modules | | | | | | |
| For the mechanical interlocking of two adjacent circuit breakers. The circuit breakers must be of the same installation type and frame size. (Mounting plate not included in scope of supply) | | | | | | |
| Fixed-mounted circuit breakers | | | | | | |
|  NSE0_00733 3VL9.00-8L.00 | | 3VL9300-8LC00 | | 1 | 1 unit | 1CC |
| Interlocking modules for Bowden cable interlocking¹⁾ | | | | | | |
| For the mechanical interlocking of two circuit breakers. Interlocking module for one circuit breaker | | | | | | |
| Combination with next size up possible (see Article No.) | | | | | | |
|  NSE0_00734 3VL9.00-8LA00 | | 3VL9300-8LA00 | | 1 | 1 unit | 1CC |
| Bowden cables for Bowden cable interlocking¹⁾ | | | | | | |
| Cable length 0.5 m | | | | | | |
| 3VL9000-8LH10 | | | | | | |
| Cable length 1.0 m | | | | | | |
| 3VL9000-8LH20 | | | | | | |
| Cable length 1.5 m | | | | | | |
| 3VL9000-8LH30 | | | | | | |
| 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 mechanism with stored energy mechanism | | | | | | |
| Lock types | | | | | | |
| Ronis | | | | | | |
| Filli Giussani | | | | | | |
| 3VL9321-8HA00 | | | | | | |
|  NSE0_00680 3VL9...-8HA00 | | | | 1 | 1 unit | 1CC |
| 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⁾ Two interlocking modules and one Bowden cable are required. Cannot be used in conjunction with motorized operating mechanism and withdrawable version!



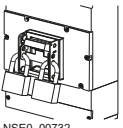
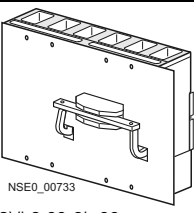
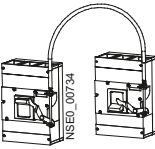
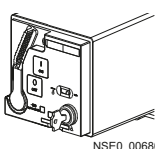
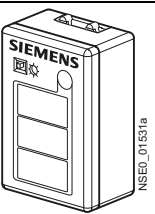
Molded Case Circuit Breakers

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

Product discontinuation

Accessories and spare parts

2

| Version | SD | For VL160 (3VL2) | Price per PU | PU (UNIT, SET, M) | PS | PG |
|---|----|---|--------------|--|----|--|
| | d | Article No. www.siemens.com/product?Article.No. | | | | |
| Interlocks | | | | | | |
|  NSE0_00732 3VL9.00-3HL00 | | 3- or 4-pole Locking devices for toggle levers For locking the circuit breaker in the "OFF" position. Up to 3 padlocks with a diameter of 5–8 mm can be used. Removable (padlocks not included) | | | 1 | 1 unit 1CC |
|  NSE0_00733 3VL9.00-8L.00 | | Rear interlocking modules For the mechanical interlocking of two adjacent circuit breakers. The circuit breakers must be of the same installation type and frame size. (Mounting plate not included in scope of supply) Fixed-mounted circuit breakers | | | 1 | 1 unit 1CC |
|  NSE0_00734 3VL9.00-8LA00 | | Interlocking modules for Bowden cable interlocking¹⁾ For the mechanical interlocking of two circuit breakers. Interlocking module for one circuit breaker | | Combinations with next size up/down possible (see Article No.) | 1 | 1 unit 1CC |
| | | Bowden cables for Bowden cable interlocking¹⁾ Cable length 0.5 m Cable length 1.0 m Cable length 1.5 m | | | 1 | 1 unit 1CC 1 unit 1CC 1 unit 1CC |
|  NSE0_00680 3VL9...-8HA00 | | 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 | | | 1 | 1 unit 1CC -- 1 unit 1CC |
| | | 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 1CC |
|  NSE0_01631a 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) | | | 1 | 1 unit 1CC |

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



Product discontinuation

Molded Case Circuit Breakers

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

Accessories and spare parts

| SD | For VL250 (3VL3) | Price per PU | PU (UNIT, SET, M) | PS | PG | SD | For VL400 (3VL4) | Price per PU | PU (UNIT, SET, M) | PS | PG |
|----|--|--------------|-------------------|--------|-----|----|--|--------------|-------------------|--------|-----|
| d | Article No. www.siemens.com/product?Article No. | | | | | d | Article No. www.siemens.com/product?Article No. | | | | |
| | 3VL9300-3HL00 | | 1 | 1 unit | 1CC | | 3VL9400-3HL00 | | 1 | 1 unit | 1CC |
| | 3VL9300-8LC00 | | 1 | 1 unit | 1CC | | 3VL9400-8LC00 | | 1 | 1 unit | 1CC |
| | 3VL9300-8LA00 | | 1 | 1 unit | 1CC | | 3VL9400-8LA00 | | 1 | 1 unit | 1CC |
| | 3VL9000-8LH10 | | 1 | 1 unit | 1CC | | -- | | | | |
| | 3VL9000-8LH20 | | 1 | 1 unit | 1CC | | 3VL9000-8LH20 | | 1 | 1 unit | 1CC |
| | 3VL9000-8LH30 | | 1 | 1 unit | 1CC | | 3VL9000-8LH30 | | 1 | 1 unit | 1CC |
| | 3VL9715-8HA00 | | 1 | 1 unit | 1CC | | 3VL9715-8HA00 | | 1 | 1 unit | 1CC |
| | -- | | | | | | 3VL9715-8HA00 | | 1 | 1 unit | 1CC |
| | 3VL9321-8HA00 | | 1 | 1 unit | 1CC | | -- | | | | |
| | 3VL9300-8SA40 | | 1 | 1 unit | 1CC | | 3VL9500-8SA40 | | 1 | 1 unit | 1CC |
| | 3VL9000-8AP01 | | 1 | 1 unit | 1CC | | 3VL9000-8AP01 | | 1 | 1 unit | 1CC |

2



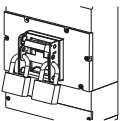
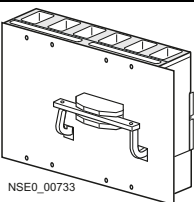
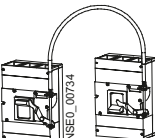
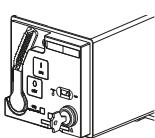
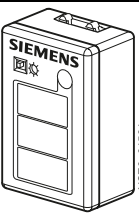
Molded Case Circuit Breakers

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

Product discontinuation

Accessories and spare parts

2

| Version | SD | For VL630 (3VL5) Article No. www.siemens.com/ product?Article.No. | Price per PU | PU (UNIT, SET, M) | PS | PG |
|---|----|---|-----------------|-------------------------|----|------------------------------------|
| Interlocks | | | | | | |
|  NSE0_00732 3VL9.00-3HL00 | | 3- or 4-pole Locking devices for toggle levers For locking the circuit breaker in the "OFF" position. Up to 3 padlocks with a diameter of 5–8 mm can be used. Removable (padlocks not included) | | | 1 | 1 unit 1CC |
|  NSE0_00733 3VL9.00-8L.00 | | Rear interlocking modules For the mechanical interlocking of two adjacent circuit breakers. The circuit breakers must be of the same installation type and frame size. (Mounting plate not included in scope of supply) Fixed-mounted circuit breakers | | | 1 | 1 unit 1CC |
|  NSE0_00734 3VL9.00-8LA00 | | Interlocking modules for Bowden cable interlocking¹⁾ For the mechanical interlocking of two circuit breakers. Interlocking module for one circuit breaker | | | 1 | 1 unit 1CC |
| | | Bowden cables for Bowden cable interlocking¹⁾ Cable length 0.5 m Cable length 1.0 m Cable length 1.5 m | | | | -- 1 1 unit 1CC 1 1 unit 1CC |
|  NSE0_00680 3VL9...-8HA00 | | 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 | | | 1 | 1 unit 1CC 1 1 unit 1CC |
| | | 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 1CC 1 1 unit 1CC |
|  NSE0_01531a 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) | | | 1 | 1 unit 1CC |

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



Product discontinuation

Molded Case Circuit Breakers

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

Accessories and spare parts

| SD | For VL800 (3VL6) | Price per PU | PU (UNIT, SET, M) | PS | PG | SD | For VL1250 (3VL7) | Price per PU | PU (UNIT, SET, M) | PS | PG |
|----|--|--------------|-------------------|------------------|------------|----|--|--------------|-------------------|--------|-----|
| d | Article No. www.siemens.com/product?Article No. | | | | | d | Article No. www.siemens.com/product?Article No. | | | | |
| | 3VL9600-3HL00 | | 1 | 1 unit | 1CC | | 3VL9800-3HL00 | | 1 | 1 unit | 1CC |
| | 3VL9600-8LC00 | | 1 | 1 unit | 1CC | | 3VL9800-8LC00 | | 1 | 1 unit | 1CC |
| | 3VL9600-8LA00 | | 1 | 1 unit | 1CC | | 3VL9800-8LA00 | | 1 | 1 unit | 1CC |
| | -- 3VL9000-8LH20 3VL9000-8LH30 | | 1 1 | 1 unit 1 unit | 1CC 1CC | | -- 3VL9000-8LH30 | | 1 | 1 unit | 1CC |
| | 3VL9715-8HA00 | | 1 | 1 unit | 1CC | | 3VL9715-8HA00 | | 1 | 1 unit | 1CC |
| | 3VL9715-8HA00 -- | | 1 | 1 unit | 1CC | | 3VL9715-8HA00 -- | | 1 | 1 unit | 1CC |
| | 3VL9600-8SA40 | | 1 | 1 unit | 1CC | | 3VL9800-8SA40 | | 1 | 1 unit | 1CC |
| | 3VL9000-8AP01 | | 1 | 1 unit | 1CC | | 3VL9000-8AP01 | | 1 | 1 unit | 1CC |

2



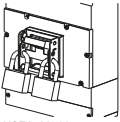
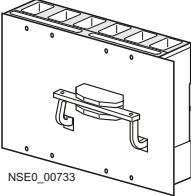
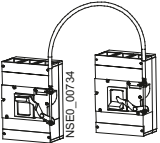
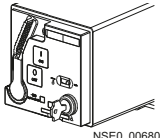
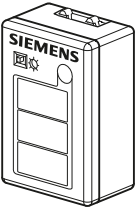
Molded Case Circuit Breakers

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

Product discontinuation

Accessories and spare parts

2

| Version | SD | For VL1600 (3VL8) Article No. www.siemens.com/ product?Article.No. | Price per PU | PU (UNIT, SET, M) | PS | PG |
|---|----|---|-----------------|-------------------------|--------|-----|
| Interlocks | | | | | | |
| 3- or 4-pole | | | | | | |
| Locking devices for toggle levers | | | | | | |
| For locking the circuit breaker in the "OFF" position. Up to 3 padlocks with a diameter of 5–8 mm can be used. Removable (padlocks not included) | | | | | | |
|  NSE0_00732 3VL9.00-3HL00 | | 3VL9800-3HL00 | | 1 | 1 unit | 1CC |
| Rear interlocking modules | | | | | | |
| For the mechanical interlocking of two adjacent circuit breakers. The circuit breakers must be of the same installation type and frame size. Circuit breakers, fixed-mounted ¹⁾ | | | | | | |
|  NSE0_00733 3VL9.00-8L.00 | | 3VL9800-8LC00 | | 1 | 1 unit | 1CC |
| Interlocking modules for Bowden cable 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 | 1CC |
| Bowden cables for Bowden cable interlocking²⁾ | | | | | | |
| Cable length 0.5 m | | | | | | |
| Cable length 1.0 m | | | | | | |
| Cable length 1.5 m | | | | | | |
| | | 3VL9000-8LH30 | | 1 | 1 unit | 1CC |
| 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 | | | | | | |
| --- | | | | | | |
|  NSE0_00680 3VL9...-8HA00 | | | | 1 | 1 unit | 1CC |
| 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 | | 1 | 1 unit | 1CC |
| 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_01531a 3VL9000-8AP01 | | 3VL9000-8AP01 | | 1 | 1 unit | 1CC |

¹⁾ Mounting plate not included in scope of supply.

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



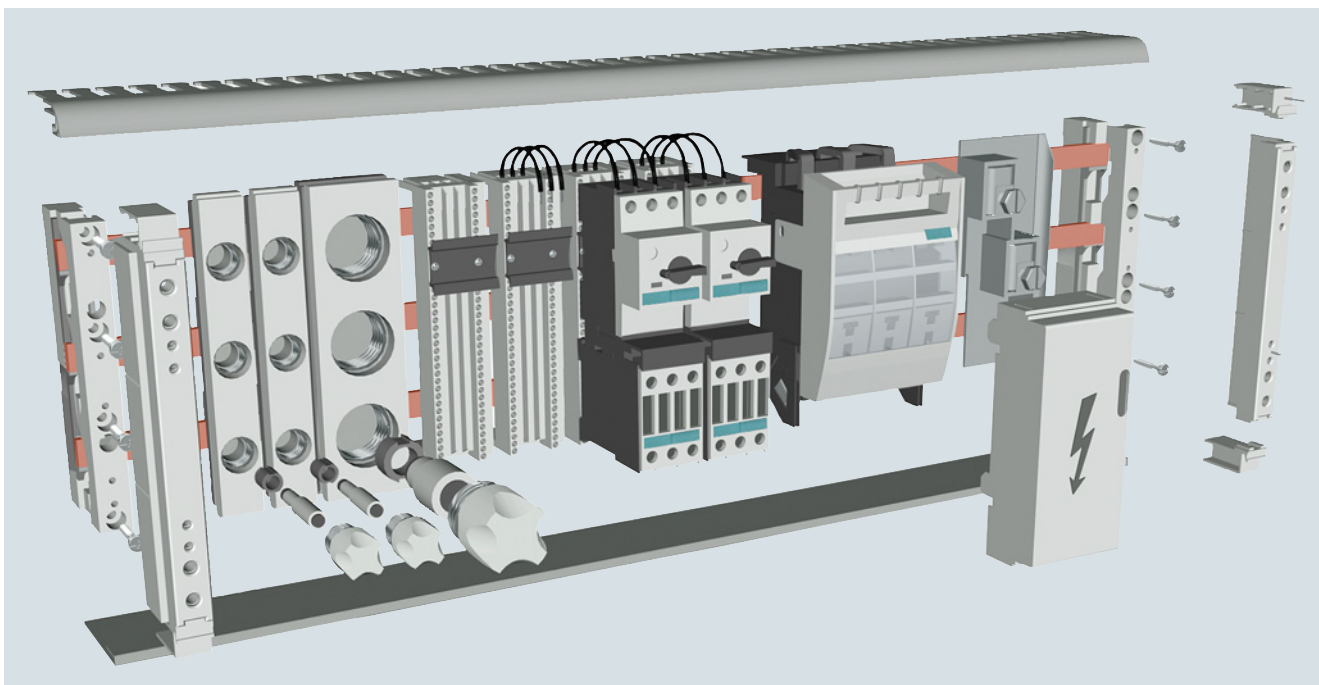
Transfer control devices



3KC ATC6300 and ATC3100 transfer control devices. For combination with two air circuit breakers/molded case circuit breakers for changeover according to 60947-6-1.

For more information, see chapter "Transfer Switching Equipment and Load Transfer Switches".

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.

For more information, see chapter "Busbar Systems".



Molded Case Circuit Breakers

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

Product discontinuation

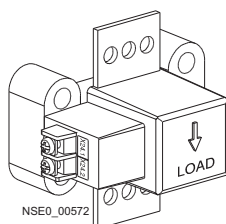
Accessories and spare parts

2

| Type | Rated current I_n | SD | Article No. www.siemens.com/ product?Article No. | Price per PU | PU (UNIT, SET, M) | PS | PG |
|------|---------------------|----|---|-----------------|-------------------------|----|----|
| | A | d | | | | | |

Further accessories

Current transformers (-T6) for N conductor/grounded neutral point of the transformer for ground-fault protection in 4-wire three-phase systems ¹⁾



| | | | | | | | |
|-------------|--------|--|----------------------|--|---|--------|-----|
| VL160/3VL2 | 63, 80 | | 3VL9280-8TC00 | | 1 | 1 unit | 1CC |
| | 100 | | 3VL9210-8TC00 | | 1 | 1 unit | 1CC |
| | 160 | | 3VL9216-8TC00 | | 1 | 1 unit | 1CC |
| VL250/3VL3 | 200 | | 3VL9320-8TC00 | | 1 | 1 unit | 1CC |
| | 250 | | 3VL9325-8TC00 | | 1 | 1 unit | 1CC |
| VL400/3VL4 | 315 | | 3VL9440-8TC00 | | 1 | 1 unit | 1CC |
| | 400 | | 3VL9440-8TC00 | | 1 | 1 unit | 1CC |
| VL630/3VL5 | 630 | | 3VL9563-8TC00 | | 1 | 1 unit | 1CC |
| VL800/3VL6 | 800 | | 3VL9680-8TC00 | | 1 | 1 unit | 1CC |
| VL1250/3VL7 | 1000 | | 3VL9712-8TC00 | | 1 | 1 unit | 1CC |
| | 1250 | | 3VL9712-8TC00 | | 1 | 1 unit | 1CC |
| VL1600/3VL8 | 1600 | | 3VL9816-8TC00 | | 1 | 1 unit | 1CC |

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

Current transformers for measuring purposes



4NC53 current transformer

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



Product discontinuation

Molded Case Circuit Breakers

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

Accessories and spare parts

| Version | SD | Article No. www.siemens.com/ product?Article No. | Price per PU | PU (UNIT, SET, M) | PS | PG |
|---------|----|--|-----------------|----------------------------|----|----|
| | d | | | | | |

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, connecting cable to ETU included in delivery of the ETU, length 1.5 m.

3VL9000-8AU00

1 1 unit 1CC

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, connecting cable to ETU included in delivery of the ETU, length 1.5 m.

3VL9000-8AV00

1 1 unit 1CC

Connecting 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 1CC

3VL9000-8AQ71

1 1 unit 1CC

3VL9000-8AQ61

1 1 unit 1CC

Addressing plugs

For assigning the module addresses without using a PC/PG

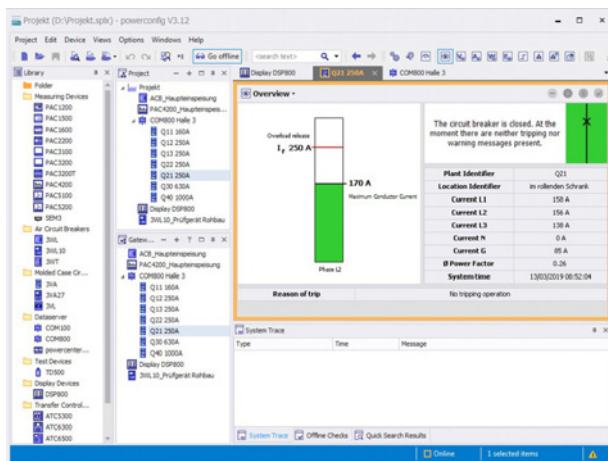
On COM20/COM21 through the system interface



3UF7910-0AA00-0

1 1 unit 42J

powerconfig commissioning and service 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 2/14 to 2/31, 2/42 to 2/53.
- For more information, see also chapter "Measuring Devices and Power Monitoring" and chapter "Software".



Molded Case Circuit Breakers

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

Product discontinuation

Accessories and spare parts

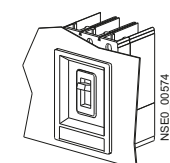
2

| Version | SD | For VL160X (3VL1) | Price per PU | PU (UNIT, SET, M) | PS | PG |
|---------|----|--|--------------|-------------------|----|----|
| | d | Article No. www.siemens.com/ product?Article No. | | | | |

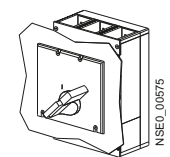
Further accessories

3- or 4-pole

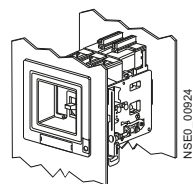
Masking frames (cover frames) for door cut-outs



Masking frame A



Masking frame B



Masking frame C

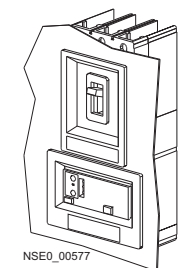
| | | | | | | |
|--------------------------------------|---|--|--|--------|------------------|------------|
| A IP40 | Fixed-mounted or plug-in circuit breaker | 3VL9300-8BC00 | | 1 | 1 unit | 1CC |
| B¹⁾ IP40 | Fixed-mounted, plug-in or withdrawable circuit breaker with front-operated rotary operating mechanism or motorized operating mechanism (with or without SEO/MO stored energy mechanisms) | 3VL9300-8BG00 | | 1 | 1 unit | 1CC |
| C IP20 | Withdrawable circuit breaker with toggle lever actuation. Assembly kit contains cover frame and extended escutcheon (cannot be used together with a motorized/rotary operating mechanism) | -- | | | | |
| D IP40 | Fixed-mounted circuit breaker or plug-in circuit breaker RCD circuit breaker masking frame RCD masking frame | 3VL9300-8BD00 3VL9300-8BD00 | | 1 1 | 1 unit 1 unit | 1CC 1CC |
| E¹⁾ IP40 | Circuit breaker with RCD module and front-operated rotary operating mechanism. Assembly kit contains masking frame and extended escutcheon. | -- | | | | |

| Version | SD | For VL400 (3VL4) | Price per PU | PU (UNIT, SET, M) | PS | PG |
|---------|----|--|--------------|-------------------|----|----|
| | d | Article No. www.siemens.com/ product?Article No. | | | | |

Further accessories

3- or 4-pole

Masking frames (cover frames) for door cut-outs



Masking frame D

| | | | | | | |
|--|---|--|--|--------|------------------|------------|
| A IP40 | Fixed-mounted or plug-in circuit breaker | 3VL9400-8BC00 | | 1 | 1 unit | 1CC |
| B¹⁾²⁾ IP40 | Fixed-mounted, plug-in or withdrawable circuit breaker with front-operated rotary operating mechanism or motorized operating mechanism (only with SEO stored energy mechanisms) | 3VL9400-8BG00 | | 1 | 1 unit | 1CC |
| C IP20 | Withdrawable circuit breaker with toggle lever actuation. Assembly kit contains cover frame and extended escutcheon (cannot be used together with a motorized/rotary operating mechanism) | 3VL9400-8BH00 | | 1 | 1 unit | 1CC |
| D IP40 | Fixed-mounted circuit breaker or plug-in circuit breaker RCD circuit breaker masking frame RCD masking frame | 3VL9400-8BC00 3VL9400-8BD00 | | 1 1 | 1 unit 1 unit | 1CC 1CC |
| E¹⁾ IP40 | Circuit breaker with RCD module and front-operated rotary operating mechanism. Assembly kit contains masking frame and extended escutcheon. | 3VL9400-8BH00 | | 1 | 1 unit | 1CC |

¹⁾ For withdrawable version IP20.

²⁾ For motorized operating mechanisms (without stored energy mechanism) for 3VL4-3VL6, use the Article No. 3VL9300-8BG00.



Product discontinuation

Molded Case Circuit Breakers

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

Accessories and spare parts

| SD | For VL160 (3VL2) | Price per PU | PU (UNIT, SET, M) | PS | PG | SD | For VL250 (3VL3) | Price per PU | PU (UNIT, SET, M) | PS | PG |
|----|---|--------------|-------------------|----|----|----|---|--------------|-------------------|----|----|
| d | Article No. www.siemens.com/product?Article No. | | | | | d | Article No. www.siemens.com/product?Article No. | | | | |

3VL9300-8BC00

1 1 unit 1CC

3VL9300-8BC00

1 1 unit 1CC

3VL9300-8BG00

1 1 unit 1CC

3VL9300-8BG00

1 1 unit 1CC

3VL9300-8BH00

1 1 unit 1CC

3VL9300-8BH00

1 1 unit 1CC

3VL9300-8BC00

1 1 unit 1CC

3VL9300-8BC00

1 1 unit 1CC

3VL9300-8BD00

1 1 unit 1CC

3VL9300-8BD00

1 1 unit 1CC

3VL9300-8BH00

1 1 unit 1CC

3VL9300-8BH00

1 1 unit 1CC

| SD | For VL630 (3VL5) | Price per PU | PU (UNIT, SET, M) | PS | PG | SD | For VL800 (3VL6) | Price per PU | PU (UNIT, SET, M) | PS | PG |
|----|---|--------------|-------------------|----|----|----|---|--------------|-------------------|----|----|
| d | Article No. www.siemens.com/product?Article No. | | | | | d | Article No. www.siemens.com/product?Article No. | | | | |

3VL9600-8BC00

1 1 unit 1CC

3VL9600-8BC00

1 1 unit 1CC

3VL9600-8BG00

1 1 unit 1CC

3VL9600-8BG00

1 1 unit 1CC

3VL9600-8BH00

1 1 unit 1CC

3VL9600-8BH00

1 1 unit 1CC

--

--

--

--

--

--



Product discontinuation

Molded Case Circuit Breakers

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

Accessories and spare parts

2

| SD | For VL1600 (3VL8) | Price per PU | PU (UNIT, SET, M) | PS | PG |
|----|---|--------------|-------------------|----|----|
| d | Article No. www.siemens.com/product?Article No. | | | | |

3VL9800-8BC00

1 1 unit 1CC

3VL9800-8BG00

1 1 unit 1CC

3VL9800-8BH00

1 1 unit 1CC

--

--



Molded Case Circuit Breakers

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

Product discontinuation

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 chapter "Air Circuit Breakers", "3WL11-13 Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC", "Accessories and spare parts".

Note

You will find the 3VL molded case circuit breakers up to 1600 A according to UL 489 in Catalog LV 18.

1. General standards

By using this catalog you can acquire hardware and software products described therein from Siemens AG subject to these conditions of sale and delivery (hereinafter: CSD). Please note: the scope, the quality and the conditions for supplies and services, including software products, by any Siemens group or Regional Company having a registered office outside of Germany, shall be subject exclusively to the General Terms and Conditions of the respective Siemens entity. These CSD apply exclusively for orders placed with Siemens AG, Germany.

1.1 For customers with a seat or registered office in Germany

For customers with a seat or registered office in Germany, the following shall be subordinate to these CSD

- for installation, the "Standard Terms and Conditions for Installation –Germany" and
- for Plant Analytics Services the "Standard Terms and Conditions for Plant Analytics Services – for Customers in Germany"¹⁾ and
- for standalone software products and software products that are part of another product or project, the "General License Conditions for Software Products for Automation and Drives for Customers with a Seat or Registered Office in Germany"¹⁾ and
- for other supplies and services, the "General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry"¹⁾.
In the event that such other supplies and services include open-source software, the conditions of which override the "General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry"¹⁾, the product will be supplied with a notice detailing the special conditions that apply for the relevant open-source software. This applies accordingly in the case of a reference to other third-party software components.

1.2 For customers with a seat or registered office outside of Germany

For customers with a seat or registered office outside of Germany, the following shall be subordinate to these CSD

- for Plant Analytics Services the "Standard Terms and Conditions for Plant Analytics Services"¹⁾ (only available in English) and
- for services, the "International Terms & Conditions for Services"¹⁾ supplemented by the "Software Licensing Conditions"¹⁾ and
- for the supply of other hardware and software the "International Terms & Conditions for Products"¹⁾ supplemented by the "Software Licensing Conditions"¹⁾.

1.3 For customers with framework agreements

To the extent that our products and services are covered by an existing framework agreement, the conditions there apply instead of this CSD.

2. Prices

The prices are in € (euros) ex works, excluding packaging.

The sales tax (value added tax) is not included in the prices. It shall be debited separately at the respective rate according to the applicable legal regulations.

Prices are subject to change without prior notice. We will debit the prices valid at the time of delivery.

To compensate fluctuating prices of raw materials (for example silver, copper, aluminum, lead, gold, dysprosium and neodymium), surcharges are calculated on a daily basis for products containing these raw materials using the metal factor. A surcharge for the particular raw material is added to the price of a product if the basic quotations for this raw material are exceeded.

Each product's metal factor dictates for which raw materials the metal surcharges are calculated, from which quotation and with which calculation method (weight or percentage method).

An exact explanation of the metal factor can be found at: www.siemens.com/automation/salesmaterial-as/catalog/en/terms_of_trade_en.pdf

The surcharge will be calculated (except in the case of dysprosium and neodymium) on the basis of the official price on the day prior to receipt of the order or prior to the release order for calculation of the surcharge.

In the event of placement of an order, the relevant three-month average price from the quarter prior to order receipt or the release order shall be used with a one-month buffer to calculate the dysprosium and neodymium surcharge ("rare earths") (you will find details in the aforementioned explanation of the metal factor).

3. Additional terms and conditions

All dimensions are in mm. In Germany, according to the German law on units in metrology, data in inches only apply to devices for export.

Illustrations are not binding.

Insofar as there are no remarks on the corresponding pages of this catalog - especially with regard to data, dimensions and weights given - these are subject to change without prior notice.

¹⁾ You can download the text of the Siemens AG terms and conditions of trade at www.siemens.com/automation/salesmaterial-as/catalog/en/terms_of_trade_en.pdf

Appendix

Conditions of sale and delivery

4. Export regulations

We shall not be obligated to fulfill this agreement if such fulfillment is prevented by any impediments arising out of national or international foreign trade or customs requirements or any embargoes or other sanctions.

Exporting may be subject to authorization. In delivery information, we label authorization obligations according to German, European and US export lists.

Our products are controlled by the U.S. authorities (goods labeled with "ECCN" not equal to "N") and may only be supplied to the stated country of the end user for sole use by the end user. Without U.S. government approval or other approval under U.S. law, the products may not be sold, transferred or otherwise forwarded to other countries or to other persons other than the specified end user, either in their original form or after further processing into other goods. Goods labeled with an "AL" not equal to "N" are subject European/national export authorization requirements.

Please note that you can also preview the export designations in the respective product description via our "Industry Mall" online catalog system. The deciding factors, however, are the AL or ECCN export designations indicated on order confirmations, delivery notes and invoices.

Unmarked items or items marked "AL:N" / "ECCN:N" or "AL:9X9999" / "ECCN: 9X9999" may require authorization based on their intended use or ultimate destination.

If you transfer goods (hardware and/or software and/or technology as well as corresponding documentation, regardless of the mode of provision) delivered by us or works and services (including all kinds of technical support) performed by us to a third party worldwide, you shall comply with all applicable national and international (re-) export control regulations.

If required to conduct export control checks, you, at our request, shall promptly provide us with all information pertaining to particular end customers, destination and intended use of goods, works and services provided by us, as well as any relevant export control restrictions.

The products listed in this catalog may be subject to European/German and/or US export regulations. Therefore, any export requiring a license is subject to approval by the competent authorities.

Errors excepted and subject to change without prior notice.

Further information can be obtained from our branch offices listed at www.siemens.com/lowvoltage/contact

| | | | |
|---|----------------|--|----------------|
| Interactive Catalog | <i>Catalog</i> | Process Instrumentation and Analytics | <i>Catalog</i> |
| Products for Automation and Drives | CA 01 | <i>Digital: Field Instruments for Process Automation</i> | FI 01 |
| Building Control | | <i>Digital: Display Recorders SIREC D</i> | MP 20 |
| GAMMA Building Control | ET G1 | <i>Digital: SIPART Controllers and Software</i> | MP 31 |
| Drive Systems | | Products for Weighing Technology | WT 10 |
| SINAMICS G130 Drive Converter Chassis Units | D 11 | <i>Digital: Process Analytical Instruments</i> | AP 01 |
| SINAMICS G150 Drive Converter Cabinet Units | | <i>Digital: Process Analytics, Components for Continuous Emission Monitoring</i> | AP 11 |
| <i>Digital: SINAMICS PERFECT HARMONY GH180 Medium-Voltage Air-Cooled Drives (Germany Edition)</i> | D 15.1 | Low-Voltage Power Distribution and Electrical Installation Technology | |
| SINAMICS G180 Converters – Compact Units, Cabinet Systems, Cabinet Units Air-Cooled and Liquid-Cooled | D 18.1 | SENTRON · SIVACON · ALPHA | LV 10 |
| SINAMICS S120 Chassis Format Converter Units | D 21.3 | Protection, Switching, Measuring and Monitoring Devices, Switchboards and Distribution Systems | |
| SINAMICS S120 Cabinet Modules | | Electrical Components for the Railway Industry | LV 12 |
| SINAMICS S150 Converter Cabinet Units | | Power Monitoring Made Simple | LV 14 |
| SINAMICS S120 and SIMOTICS | D 21.4 | Components for Industrial Control Panels according to UL Standards | LV 16 |
| SINAMICS DCM DC Converter, Control Module | D 23.1 | <i>Digital: Air circuit breakers and molded case circuit breakers with UL certification</i> | LV 18 |
| SINAMICS Inverters for Single-Axis Drives · Built-In Units | D 31.1 | 3WT Air Circuit Breakers up to 4000 A | LV 35 |
| SINAMICS Inverters for Single-Axis Drives · Distributed Inverters | D 31.2 | 3VT Molded Case Circuit Breakers up to 1600 A | LV 36 |
| <i>Digital: SINAMICS Converters for Single-Axis Drives · SINAMICS G120X</i> | D 31.5 | <i>Digital: SIVACON System Cubicles, System Lighting and System Air-Conditioning</i> | LV 50 |
| <i>Digital: SINAMICS S210 Servo Drive System</i> | D 32 | <i>Digital: ALPHA Distribution Systems</i> | LV 51 |
| <i>Digital: SINAMICS V90 Basic Servo Drive System</i> | D 33 | ALPHA FIX Terminal Blocks | LV 52 |
| <i>Digital: SINAMICS G120P and SINAMICS G120P Cabinet pump, fan, compressor converters</i> | D 35 | SIVACON S4 Power Distribution Boards | LV 56 |
| LOHER VARIO High Voltage Motors | D 83.2 | SIVACON 8PS Busbar Trunking Systems | LV 70 |
| Flameproof, Type Series 1PS4, 1PS5, 1MV4 and 1MV5 Frame Size 355 to 1000, Power Range 80 to 7100 kW | | <i>Digital: DELTA Switches and Socket Outlets</i> | ET D1 |
| <i>Digital: Three-Phase Induction Motors SIMOTICS HV, SIMOTICS TN</i> | D 84.1 | Vacuum Switching Technology and Components for Medium Voltage | HG 11.01 |
| <i>Digital: Three-Phase Induction Motors SIMOTICS HV</i> | D 84.3 | Power Supply | |
| High Voltage Three-phase Induction Motors | D 84.9 | SITOP Power supply | KT 10.1 |
| SIMOTICS HV Series A-compact PLUS | | Safety Integrated | |
| <i>Digital: Modular Industrial Generators SIGENTICS M</i> | D 85.1 | Safety Technology for Factory Automation | SI 10 |
| Synchronous Motors with Permanent-Magnet Technology, HT-direct | D 86.2 | SIMATIC HMI / PC-based Automation | |
| DC Motors | DA 12 | Human Machine Interface Systems/ PC-based Automation | ST 80/ ST PC |
| SIMOVERT PM Modular Converter Systems | DA 45 | SIMATIC Ident | |
| MICROMASTER 420/430/440 Inverters | DA 51.2 | Industrial Identification Systems | ID 10 |
| MICROMASTER 411/COMBIMASTER 411 | DA 51.3 | SIMATIC Industrial Automation Systems | |
| <u>Low-Voltage Three-Phase-Motors</u> | | Products for Totally Integrated Automation | ST 70 |
| SIMOTOCS S-1FG1 Servo geared motors | D 41 | SIMATIC PCS 7 Process Control System System components | ST PCS 7 |
| SIMOTICS Low-Voltage Motors | D 81.1 | SIMATIC PCS 7 Process Control System Technology components | ST PCS 7 T |
| SIMOTICS FD Low-Voltage Motors | D 81.8 | Add-ons for the SIMATIC PCS 7 Process Control System | ST PCS 7 AO |
| LOHER Low-Voltage Motors | D 83.1 | SIMATIC S7-400 advanced controller | ST 400 |
| <i>Digital: MOTOX Geared Motors</i> | D 87.1 | SIMATIC NET | |
| SIMOGEAR Geared Motors | MD 50.1 | Industrial Communication | IK PI |
| SIMOGEAR Electric-monorail geared motors Light-load and heavy-load applications | MD 50.8 | SIRIUS Industrial Controls | |
| SIMOGEAR Gearboxes with adapter | MD 50.11 | <i>Digital: SIRIUS Industrial Controls</i> | IC 10 |
| <u>Mechanical Driving Machines</u> | | | |
| FLENDER Standard Couplings | MD 10.1 | | |
| FLENDER High Performance Couplings | MD 10.2 | | |
| FLENDER Backlash-free Couplings | MD 10.3 | | |
| FLENDER SIP Standard industrial planetary gear units | MD 31.1 | | |
| Motion Control | | | |
| SINUMERIK 840 Equipment for Machine Tools | NC 62 | | |
| SINUMERIK 808 Equipment for Machine Tools | NC 81.1 | | |
| SINUMERIK 828 Equipment for Machine Tools | NC 82 | | |
| SIMOTION Equipment for Production Machines | PM 21 | | |
| <i>Digital: Drive and Control Components for Cranes</i> | CR 1 | | |

Digital: These catalogs are only available as a PDF.

Siemens Industry Online Support

Digital versions of the catalogs are available on the Internet at:
www.siemens.com/lowvoltage/catalogs

Get more information

www.siemens.com/lowvoltage

Siemens AG
Energy Management
Low Voltage & Products
Postfach 10 09 53
93009 Regensburg
Germany

© Siemens AG 2019
Subject to change without prior notice
PDF (Extract from E86060-K8280-A101-A9-7600)
KG 0619 102 En
Produced in Germany

The information provided in this catalog contains merely general descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract. Availability and technical specifications are subject to change without notice.

All product designations may be trademarks or product names of Siemens AG or supplier companies whose use by third parties for their own purposes could violate the rights of the owners.

Security information

Siemens provides products and solutions with industrial security functions that support the secure operation of plants, systems, machines and networks.

In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial security concept. Siemens' products and solutions constitute one element of such a concept.

Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place.

For additional information on industrial security measures that may be implemented, please visit

<http://www.siemens.com/industrialsecurity>.

Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats.

To stay informed about product updates, subscribe to the Siemens Industrial Security RSS Feed under **<http://www.siemens.com/industrialsecurity>**.