

Extensive range of accessories

| 3VA molded case circuit breakers | up to 1,250 A | | | | | | | | | | | | at 1,600 A | |
|----------------------------------------------------|---------------|-------|-------|-------|-------|---------|-------|-------|-------|-------|-------|---------|------------|---------|
| Accessories | 3VA1 | | | | | | 3VA2 | | | | | | | |
| Size | 100 A | 160 A | 250 A | 400 A | 630 A | 1,000 A | 100 A | 160 A | 250 A | 400 A | 630 A | 1,000 A | 1,250 A | 1,600 A |
| Auxiliary switches and alarm switches | | | | | | | | | | | | | | |
| Auxiliary releases | | | | | | | | | | | | | | |
| Connection technology | | | | | | | | | | | | | | |
| Plug-in technology | | | | | | | | | | | | | | |
| Draw-out technology | | | | | | | | | | | | | | |
| Front mounted rotary operator | | | | | | | | | | | | | | |
| Door mounted rotary operator | | | | | | | | | | | | | | |
| Side wall mounted rotary operators | | | | | | | | | | | | | | |
| Motor operator MO310 (mounted on the side) | | | | | | | | | | | | | | |
| Motor operator MO320 (mounted underneath) | | | | | | | | | | | | | | |
| Stored energy operator SE0520 | | | | | | | | | | | | | | |
| Accessories for locking, blocking and interlocking | | | | | | | | | | | | | | |
| Residual current device (mounted on the side) | | | | | | | | | | | | | | |
| Residual current device (mounted underneath) | | | | | | | | | | | | | | |
| Communications interface | | | | | | | | | | | | | | |
| External function box | | | | | | | | | | | | | | |
| Test devices | | | | | | | | | | | | | | |
| Cover frame | | | | | | | | | | | | | | |
| DIN rail adapter | | | | | | | | | | | | | | |

QUICK SELECTION GUIDE
3VA molded case circuit breaker

siemens.com/3VA

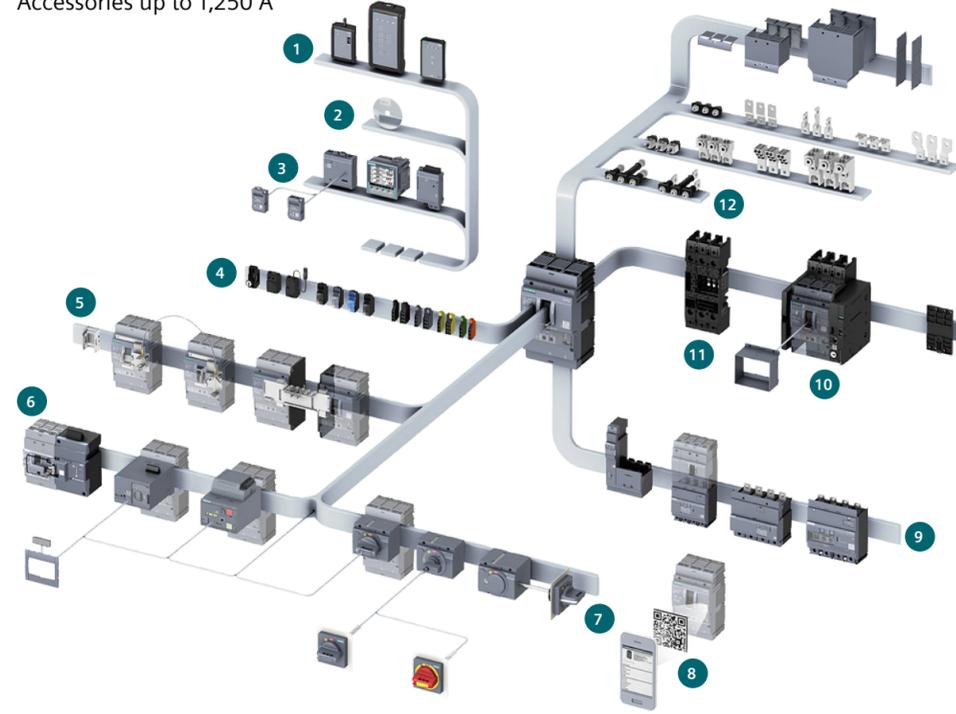
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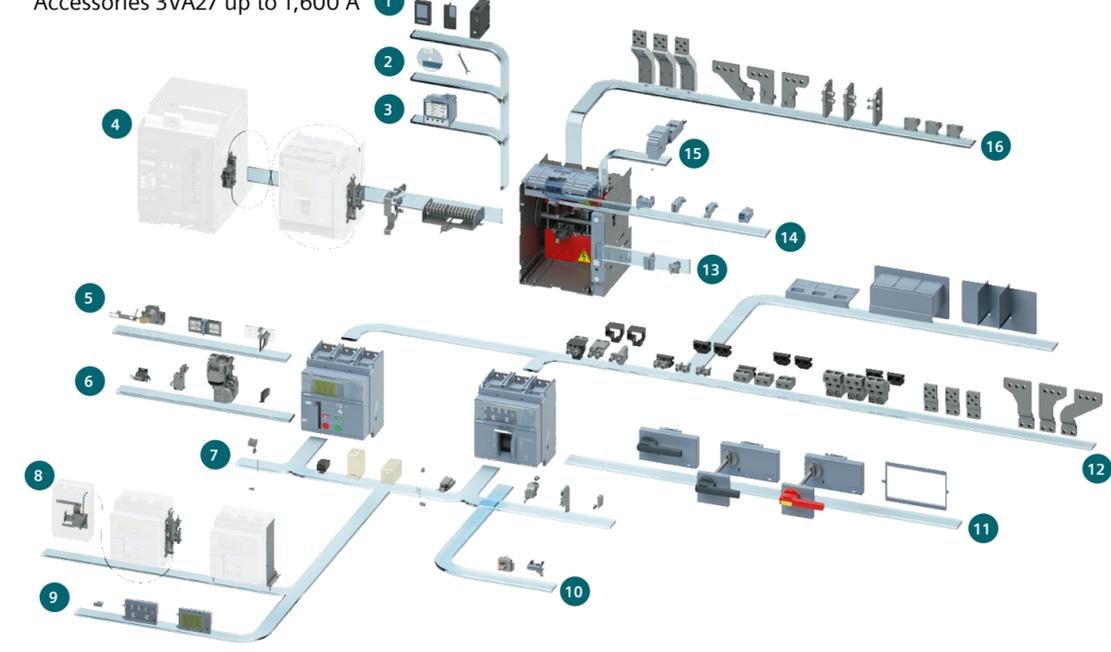
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Accessories up to 1,250 A



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

Accessories 3VA27 up to 1,600 A



- 1 Test devices
- 2 SENTRON powerconfig
- 3 DSP800 display
- 4 Interlocking system (guide frame)
- 5 Locking and interlocking systems
- 6 Motorized operating mechanism and accessories
- 7 Auxiliary and alarm switches / auxiliary releases
- 8 Interlocking system for fixed-mounted circuit breakers
- 9 Electronic trip units (ETUs)
- 10 Sliding bars
- 11 Manual operators
- 12 Connection technology for fixed-mounted circuit breakers
- 13 Locking system with guide frame
- 14 Communication
- 15 Position signaling switch for guide frame
- 16 Connection technology with guide frame



Flexible. Efficient. Safe.

Modular and variable:
for standard and sophisticated applications

From industrial applications to infrastructure, the 3VA molded case circuit breakers from the SENTRON portfolio are an integral part of cost-effective power distribution. This holds true for standard applications as well as under demanding conditions.

The 3VA molded case circuit breaker reliably protects people and plants and is always the right choice for safe and efficient power distribution.

You need more information about 3VA molded case circuit breakers?

Feel free to take advantage of our comprehensive support. From planning to commissioning to operation, we're happy to help you at any time.

| | | | |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |
| Information | Planning/Ordering | Operation/Service | Training |

| 3VA1 and 3VA2 molded case circuit breakers | | | | | | | | | | | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------|-------------------|--------------|--------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------|---------------------------|---------------------------|---------------|---------------|-------------------------------------------------------------------------------------|---------------|
| Molded case circuit breakers comply with the high VDE standards. | 3VA1 molded case circuit breakers for standard applications | | | | | | 3VA2 molded case circuit breakers for sophisticated applications | | | | | | | | |
| | Frame size 100 A up to 1,000 A | | | | | | Frame size 100 A up to 1,250 A | | | | | | | Frame size 1,600 A | |
| |  | | | | | |  | | | | | | |  | |
| | 3VA10 | 3VA11 | 3VA12 | 3VA13 | 3VA14 | 3VA15 | 3VA20 | 3VA21 | 3VA22 | 3VA23 | 3VA24 | 3VA25 | 3VA26 | 3VA27 | |
| Number of poles | 3, 4 | 1, 2, 3, 4 | 3, 4 | 3, 4 | 3, 4 | 3, 4 | 3, 4 | 3, 4 | 3, 4 | 3, 4 | 3, 4 | 3, 4 | 3, 4 | 3, 4 | |
| Size | 100 A | 160 A | 250 A | 400 A | 630 A | 1,000 A | 100 A | 160 A | 250 A | 400 A | 630 A | 1,000 A | 1,250 A | 1,600 A | |
| Rated operational current I_n at 50 °C ambient temperature | A | 16 ... 100 | 16 ... 160 | 160 ... 250 | 250 ... 400 | 400 ... 630 | 630 ... 1,000 | 25 ... 100 | 25 ... 160 | 160 ... 250 | 250 ... 400 | 400 ... 630 | 630 ... 1,000 | 1,250 | 800 ... 1,600 |
| Rated operational voltage U_n 50/60 Hz AC | V | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | |
| Rated ultimate short-circuit breaking capacity I_{cu}, rms value, acc. to IEC 60947-2, AC 380 V – 415 V/50/60 Hz | kA | 16 25 36 | 25 36 55 70 | 36 55 70 | 36 55 70 110 | 36 55 70 110 | 55 70 110 | 55 85 110 150 | 55 85 110 150 200 | 55 85 110 150 200 | 55 85 110 150 200 | 55 85 110 | 55 85 110 | 55 85 110 | |
| Line protection | | • | • | • | • | • | • | • | • | • | • | • | • | • | |
| Generator protection | | – | – | – | – | – | – | • | • | • | • | • | • | – | |
| Motor protection | | – | – | – | – | – | – | • | • | • | • | • | – | • | |
| Starter protection | | – | • | • | • | • | • | • | • | • | • | • | – | • | |
| Switch disconnecter according to IEC 60947-3 | | – | • | • | • | • | – | – | – | – | – | – | – | • | |
| Trip units | 3VA1 molded case circuit breakers for line protection | | | | | | 3VA2 molded case circuit breakers for line and generator protection | | | | | | | | |
| • Thermal-magnetic trip unit, fixed | • | • | – | – | – | – | – | – | – | – | – | – | – | – | |
| • Thermal-magnetic trip unit, parametrization by rotary switch | – | • | • | • | • | • | – | – | – | – | – | – | – | – | |
| • Electronic trip unit, parametrization by rotary coding switch | – | – | – | – | – | – | • | • | • | • | • | • | • | • | |
| • Electronic trip unit, parametrization by display | – | – | – | – | – | – | • | • | • | • | • | • | • | • | |
| Trip units | 3VA1 molded case circuit breakers for starter protection (standards and specifications acc. to IEC 60947-2, Annex O) | | | | | | 3VA2 molded case circuit breakers for motor/starter protection (standards and specifications acc. to IEC 60947-4-1) | | | | | | | | |
| • Magnetic trip unit, parametrization by rotary switch | – | • | • | • | • | • | – | – | – | – | – | – | – | – | |
| • Electronic trip unit, parametrization by rotary coding switch | – | – | – | – | – | – | – | • | • | • | • | • | – | • | |
| • Electronic trip unit, parametrization by display | – | – | – | – | – | – | – | • | • | • | • | • | – | • | |
| Integrated metering function | – | – | – | – | – | – | Available with ETU 8-series | | | | | | | Available with ETU 6-series | |
| Optional communication | – | – | – | – | – | – | Available with ETU 5- and 8-series | | | | | | | Available with ETU 6-series | |
| Condition monitoring | – | – | – | – | – | – | Available with ETU 5- and 8-series | | | | | | | – | |
| Integrated display for status and energy values | – | – | – | – | – | – | Available with ETU 5- and 8-series | | | | | | | Available with ETU 6-series | |
| Software interfaces | – | – | – | – | – | – | powermanager, powerconfig, TIA Portal, Energy Suite, powermind, SIMARIS Suite | | | | | | | – | |
| Suitable for DC applications | • | • | • | • | • | • | – | – | – | – | – | – | – | – | |
| Especially suitable for selectivity applications | – | – | – | – | – | – | • | • | • | • | • | • | • | • | |
| Online selection and ordering | www.siemens.com/quickselect-3va | | | | | | | | | | | | | | |