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RCBO


# LOW-VOLTAGE ELECTRICAL PRODUCTS

2024

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# Residual current circuit breaker with overload protection (RCBO)

## Series VYR9N

IEC 61009-1


Residual current circuit breaker with overload protection (RCBO) VYR9N series allow you to quickly turn off a faulty power supply in a very short time to protect people and electrical equipment. At the same time, they can protect the line from overload or short circuit, and can also be used for infrequent line on/off. They are used in the construction of input and distribution electrical panels in apartments, country houses, office and industrial facilities. They are used in AC electrical circuits with a frequency of 50/60 Hz, rated voltage 230/400 V.

## Technical parameter

### Electrical characteristics

| Classification | | Protection type | | Poles | Rated current (In) | Rated sensitivity (I△n) | Thermo-magnetic release characteristic | | Rated voltage (Ue) |
|---|---|---|---|---|---|---|---|---|---|
| AC | A | ELE | ELM | | | | B:(3~5)In | C:(5~10)In | |
| ■ | ■ | ■ | ■ | 1P+N, 3P+N | 6A, 10A, 16A, 20A, 25A, 32A, 40A, 63A | 30mA, 100mA, 300mA | ■ | ■ | 1P+N:230V~ 3P+N:400V~ |

### Electrical characteristics

| Rated insulation voltage (Ui) | Rated frequency | Rated impulse withstand voltage (Uimp) | Rated residual making and breaking capacity I△m | Sensitivity | Short-circuit current Inc=I△c | Rated residual non-operating current | Break time (Instantaneous) | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Instantaneous | | | Residual current I△=1I△n | Residual current I△=2I△n | Residual current I△=5I△n |
| 500V | 50/60Hz | 4kV | 500A | ■ | 6kA | 0.5I△n | 0.1s | 0.08s | 0.04s |

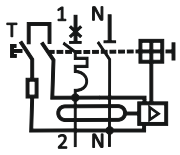
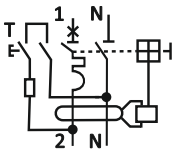
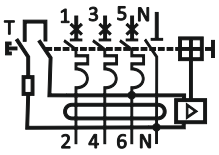
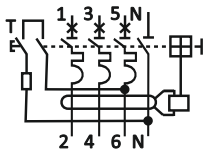
### Mechanical properties

| Mechanical life and Electric life | Protection class | | Ambient temperature | Storage temperature |
|---|---|---|---|---|
| | Direct install | In distribution box | | |
| 4000 | Ip20 | Ip40 | -25℃ +40℃ | -25℃ +60℃ |

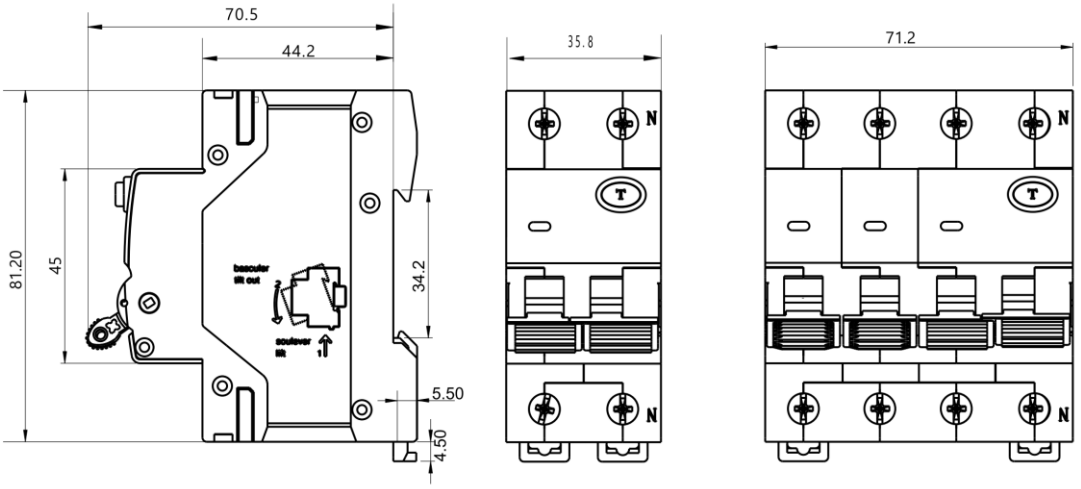
### Other characteristics

| Wiring size | | Contact Status Indication | Connection | |
|---|---|---|---|---|
| Copper/Hard Wire | Cord/Hoop Terminals | | ELE | ELM |
| 1-25mm² | 1-16mm² | ■ | Top line | Top and bottom |

## Electrical diagram

| Poles | | | |
|---|---|---|---|
| 2P | | 4P | |
| ELE | ELM | ELE | ELM |
|  |  |  |  |

## Overall and installation dimensions

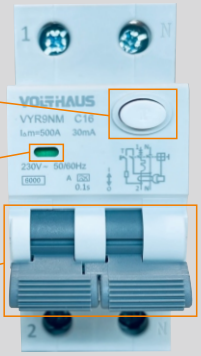



## Product features

"Test" button to check the device's operability

Built-in indicator window that helps to determine the position of the contact

Handle with "soft" on and off, comfort in using the circuit breaker



Modern industrial design

## Product model (article number)

**VYR9NM-2P-C16-30mA-A-6kA**

- Series RCBO
- Protection type: M - electromagnetic type; E - electronic type
- Pole: 2P, 4P
- Electromagnetic trip curve: B, C
- Rated current (A): 6, 10, 16, 20, 25, 32, 40, 63
- Rated residual action current (mA): 30, 100, 300
- Residual current action type: A type; AC type
- Rated limit short circuit current (kA): 6

| RCBO Electromagnetic type (M) | | | | | | |
|---|---|---|---|---|---|---|
| Article number | Curve | Residual current action type | Poles | Rated current In [A] | Rated residual action current I∆n [mA] | Rated breaking capacity Icn [kA] |
| **1P+N 30mA** | | | | | | |
| VYR9NM-2P-B06-30mA-A-6kA | B | A | 2 | 6 | 30 | 6 |
| VYR9NM-2P-B10-30mA-A-6kA | B | A | 2 | 10 | 30 | 6 |
| VYR9NM-2P-B16-30mA-A-6kA | B | A | 2 | 16 | 30 | 6 |
| VYR9NM-2P-B20-30mA-A-6kA | B | A | 2 | 20 | 30 | 6 |
| VYR9NM-2P-B25-30mA-A-6kA | B | A | 2 | 25 | 30 | 6 |
| VYR9NM-2P-B32-30mA-A-6kA | B | A | 2 | 32 | 30 | 6 |
| VYR9NM-2P-B40-30mA-A-6kA | B | A | 2 | 40 | 30 | 6 |
| VYR9NM-2P-B63-30mA-A-6kA | B | A | 2 | 63 | 30 | 6 |
| **1P+N 100mA** | | | | | | |
| VYR9NM-2P-B06-100mA-A-6kA | B | A | 2 | 6 | 100 | 6 |
| VYR9NM-2P-B10-100mA-A-6kA | B | A | 2 | 10 | 100 | 6 |
| VYR9NM-2P-B16-100mA-A-6kA | B | A | 2 | 16 | 100 | 6 |
| VYR9NM-2P-B20-100mA-A-6kA | B | A | 2 | 20 | 100 | 6 |
| VYR9NM-2P-B25-100mA-A-6kA | B | A | 2 | 25 | 100 | 6 |
| VYR9NM-2P-B32-100mA-A-6kA | B | A | 2 | 32 | 100 | 6 |
| VYR9NM-2P-B40-100mA-A-6kA | B | A | 2 | 40 | 100 | 6 |
| VYR9NM-2P-B63-100mA-A-6kA | B | A | 2 | 63 | 100 | 6 |
| **1P+N 300mA** | | | | | | |
| VYR9NM-2P-B06-300mA-A-6kA | B | A | 2 | 6 | 300 | 6 |
| VYR9NM-2P-B10-300mA-A-6kA | B | A | 2 | 10 | 300 | 6 |
| VYR9NM-2P-B16-300mA-A-6kA | B | A | 2 | 16 | 300 | 6 |
| VYR9NM-2P-B20-300mA-A-6kA | B | A | 2 | 20 | 300 | 6 |
| VYR9NM-2P-B25-300mA-A-6kA | B | A | 2 | 25 | 300 | 6 |
| VYR9NM-2P-B32-300mA-A-6kA | B | A | 2 | 32 | 300 | 6 |
| VYR9NM-2P-B40-300mA-A-6kA | B | A | 2 | 40 | 300 | 6 |
| VYR9NM-2P-B63-300mA-A-6kA | B | A | 2 | 63 | 300 | 6 |
| **3P+N 30mA** | | | | | | |
| VYR9NM-4P-B06-30mA-A-6kA | B | A | 4 | 6 | 30 | 6 |
| VYR9NM-4P-B10-30mA-A-6kA | B | A | 4 | 10 | 30 | 6 |
| VYR9NM-4P-B16-30mA-A-6kA | B | A | 4 | 16 | 30 | 6 |
| VYR9NM-4P-B20-30mA-A-6kA | B | A | 4 | 20 | 30 | 6 |
| VYR9NM-4P-B25-30mA-A-6kA | B | A | 4 | 25 | 30 | 6 |
| VYR9NM-4P-B32-30mA-A-6kA | B | A | 4 | 32 | 30 | 6 |
| VYR9NM-4P-B40-30mA-A-6kA | B | A | 4 | 40 | 30 | 6 |
| **3P+N 100mA** | | | | | | |
| VYR9NM-4P-B06-100mA-A-6kA | B | A | 4 | 6 | 100 | 6 |
| VYR9NM-4P-B10-100mA-A-6kA | B | A | 4 | 10 | 100 | 6 |
| VYR9NM-4P-B16-100mA-A-6kA | B | A | 4 | 16 | 100 | 6 |
| VYR9NM-4P-B20-100mA-A-6kA | B | A | 4 | 20 | 100 | 6 |
| VYR9NM-4P-B25-100mA-A-6kA | B | A | 4 | 25 | 100 | 6 |
| VYR9NM-4P-B32-100mA-A-6kA | B | A | 4 | 32 | 100 | 6 |
| VYR9NM-4P-B40-100mA-A-6kA | B | A | 4 | 40 | 100 | 6 |
| **3P+N 300mA** | | | | | | |
| VYR9NM-4P-B06-300mA-A-6kA | B | A | 4 | 6 | 300 | 6 |
| VYR9NM-4P-B10-300mA-A-6kA | B | A | 4 | 10 | 300 | 6 |
| VYR9NM-4P-B16-300mA-A-6kA | B | A | 4 | 16 | 300 | 6 |
| VYR9NM-4P-B20-300mA-A-6kA | B | A | 4 | 20 | 300 | 6 |
| VYR9NM-4P-B25-300mA-A-6kA | B | A | 4 | 25 | 300 | 6 |
| VYR9NM-4P-B32-300mA-A-6kA | B | A | 4 | 32 | 300 | 6 |
| VYR9NM-4P-B40-300mA-A-6kA | B | A | 4 | 40 | 300 | 6 |

| RCBO Electronic type (E) | | | | | | |
|---|---|---|---|---|---|---|
| Article number | Curve | Residual current action type | Poles | Rated current In [A] | Rated residual action current I∆n [mA] | Rated breaking capacity Icn [kA] |
| **1P+N 30mA** | | | | | | |
| VYR9NE-2P-B06-30mA-A-6kA | B | A | 2 | 6 | 30 | 6 |
| VYR9NE-2P-B10-30mA-A-6kA | B | A | 2 | 10 | 30 | 6 |
| VYR9NE-2P-B16-30mA-A-6kA | B | A | 2 | 16 | 30 | 6 |
| VYR9NE-2P-B20-30mA-A-6kA | B | A | 2 | 20 | 30 | 6 |
| VYR9NE-2P-B25-30mA-A-6kA | B | A | 2 | 25 | 30 | 6 |
| VYR9NE-2P-B32-30mA-A-6kA | B | A | 2 | 32 | 30 | 6 |
| VYR9NE-2P-B40-30mA-A-6kA | B | A | 2 | 40 | 30 | 6 |
| **1P+N 100mA** | | | | | | |
| VYR9NE-2P-B06-100mA-A-6kA | B | A | 2 | 6 | 100 | 6 |
| VYR9NE-2P-B10-100mA-A-6kA | B | A | 2 | 10 | 100 | 6 |
| VYR9NE-2P-B16-100mA-A-6kA | B | A | 2 | 16 | 100 | 6 |
| VYR9NE-2P-B20-100mA-A-6kA | B | A | 2 | 20 | 100 | 6 |
| VYR9NE-2P-B25-100mA-A-6kA | B | A | 2 | 25 | 100 | 6 |
| VYR9NE-2P-B32-100mA-A-6kA | B | A | 2 | 32 | 100 | 6 |
| VYR9NE-2P-B40-100mA-A-6kA | B | A | 2 | 40 | 100 | 6 |
| **1P+N 300mA** | | | | | | |
| VYR9NE-2P-B06-300mA-A-6kA | B | A | 2 | 6 | 300 | 6 |
| VYR9NE-2P-B10-300mA-A-6kA | B | A | 2 | 10 | 300 | 6 |
| VYR9NE-2P-B16-300mA-A-6kA | B | A | 2 | 16 | 300 | 6 |
| VYR9NE-2P-B20-300mA-A-6kA | B | A | 2 | 20 | 300 | 6 |
| VYR9NE-2P-B25-300mA-A-6kA | B | A | 2 | 25 | 300 | 6 |
| VYR9NE-2P-B32-300mA-A-6kA | B | A | 2 | 32 | 300 | 6 |
| VYR9NE-2P-B40-300mA-A-6kA | B | A | 2 | 40 | 300 | 6 |
| **3P+N 30mA** | | | | | | |
| VYR9NE-4P-B06-30mA-A-6kA | B | A | 4 | 6 | 30 | 6 |
| VYR9NE-4P-B10-30mA-A-6kA | B | A | 4 | 10 | 30 | 6 |
| VYR9NE-4P-B16-30mA-A-6kA | B | A | 4 | 16 | 30 | 6 |
| VYR9NE-4P-B20-30mA-A-6kA | B | A | 4 | 20 | 30 | 6 |
| VYR9NE-4P-B25-30mA-A-6kA | B | A | 4 | 25 | 30 | 6 |
| VYR9NE-4P-B32-30mA-A-6kA | B | A | 4 | 32 | 30 | 6 |
| VYR9NE-4P-B40-30mA-A-6kA | B | A | 4 | 40 | 30 | 6 |
| **3P+N 100mA** | | | | | | |
| VYR9NE-4P-B06-100mA-A-6kA | B | A | 4 | 6 | 100 | 6 |
| VYR9NE-4P-B10-100mA-A-6kA | B | A | 4 | 10 | 100 | 6 |
| VYR9NE-4P-B16-100mA-A-6kA | B | A | 4 | 16 | 100 | 6 |
| VYR9NE-4P-B20-100mA-A-6kA | B | A | 4 | 20 | 100 | 6 |
| VYR9NE-4P-B25-100mA-A-6kA | B | A | 4 | 25 | 100 | 6 |
| VYR9NE-4P-B32-100mA-A-6kA | B | A | 4 | 32 | 100 | 6 |
| VYR9NE-4P-B40-100mA-A-6kA | B | A | 4 | 40 | 100 | 6 |
| **3P+N 300mA** | | | | | | |
| VYR9NE-4P-B06-300mA-A-6kA | B | A | 4 | 6 | 300 | 6 |
| VYR9NE-4P-B10-300mA-A-6kA | B | A | 4 | 10 | 300 | 6 |
| VYR9NE-4P-B16-300mA-A-6kA | B | A | 4 | 16 | 300 | 6 |
| VYR9NE-4P-B20-300mA-A-6kA | B | A | 4 | 20 | 300 | 6 |
| VYR9NE-4P-B25-300mA-A-6kA | B | A | 4 | 25 | 300 | 6 |
| VYR9NE-4P-B32-300mA-A-6kA | B | A | 4 | 32 | 300 | 6 |
| VYR9NE-4P-B40-300mA-A-6kA | B | A | 4 | 40 | 300 | 6 |

| RCBO Electromagnetic type (M) | | | | | | |
|---|---|---|---|---|---|---|
| Article number | Curve | Residual current action type | Poles | Rated current In [A] | Rated residual action current I∆n [mA] | Rated breaking capacity Icn [kA] |
| **1P+N 30mA** | | | | | | |
| VYR9NM-2P-C06-30mA-A-6kA | C | A | 2 | 6 | 30 | 6 |
| VYR9NM-2P-C10-30mA-A-6kA | C | A | 2 | 10 | 30 | 6 |
| VYR9NM-2P-C16-30mA-A-6kA | C | A | 2 | 16 | 30 | 6 |
| VYR9NM-2P-C20-30mA-A-6kA | C | A | 2 | 20 | 30 | 6 |
| VYR9NM-2P-C25-30mA-A-6kA | C | A | 2 | 25 | 30 | 6 |
| VYR9NM-2P-C32-30mA-A-6kA | C | A | 2 | 32 | 30 | 6 |
| VYR9NM-2P-C40-30mA-A-6kA | C | A | 2 | 40 | 30 | 6 |
| VYR9NM-2P-C63-30mA-A-6kA | C | A | 2 | 63 | 30 | 6 |
| **1P+N 100mA** | | | | | | |
| VYR9NM-2P-C06-100mA-A-6kA | C | A | 2 | 6 | 100 | 6 |
| VYR9NM-2P-C10-100mA-A-6kA | C | A | 2 | 10 | 100 | 6 |
| VYR9NM-2P-C16-100mA-A-6kA | C | A | 2 | 16 | 100 | 6 |
| VYR9NM-2P-C20-100mA-A-6kA | C | A | 2 | 20 | 100 | 6 |
| VYR9NM-2P-C25-100mA-A-6kA | C | A | 2 | 25 | 100 | 6 |
| VYR9NM-2P-C32-100mA-A-6kA | C | A | 2 | 32 | 100 | 6 |
| VYR9NM-2P-C40-100mA-A-6kA | C | A | 2 | 40 | 100 | 6 |
| VYR9NM-2P-C63-100mA-A-6kA | C | A | 2 | 63 | 100 | 6 |
| **1P+N 300mA** | | | | | | |
| VYR9NM-2P-C06-300mA-A-6kA | C | A | 2 | 6 | 300 | 6 |
| VYR9NM-2P-C10-300mA-A-6kA | C | A | 2 | 10 | 300 | 6 |
| VYR9NM-2P-C16-300mA-A-6kA | C | A | 2 | 16 | 300 | 6 |
| VYR9NM-2P-C20-300mA-A-6kA | C | A | 2 | 20 | 300 | 6 |
| VYR9NM-2P-C25-300mA-A-6kA | C | A | 2 | 25 | 300 | 6 |
| VYR9NM-2P-C32-300mA-A-6kA | C | A | 2 | 32 | 300 | 6 |
| VYR9NM-2P-C40-300mA-A-6kA | C | A | 2 | 40 | 300 | 6 |
| VYR9NM-2P-C63-300mA-A-6kA | C | A | 2 | 63 | 300 | 6 |
| **3P+N 30mA** | | | | | | |
| VYR9NM-4P-C06-30mA-A-6kA | C | A | 4 | 6 | 30 | 6 |
| VYR9NM-4P-C10-30mA-A-6kA | C | A | 4 | 10 | 30 | 6 |
| VYR9NM-4P-C16-30mA-A-6kA | C | A | 4 | 16 | 30 | 6 |
| VYR9NM-4P-C20-30mA-A-6kA | C | A | 4 | 20 | 30 | 6 |
| VYR9NM-4P-C25-30mA-A-6kA | C | A | 4 | 25 | 30 | 6 |
| VYR9NM-4P-C32-30mA-A-6kA | C | A | 4 | 32 | 30 | 6 |
| VYR9NM-4P-C40-30mA-A-6kA | C | A | 4 | 40 | 30 | 6 |
| **3P+N 100mA** | | | | | | |
| VYR9NM-4P-C06-100mA-A-6kA | C | A | 4 | 6 | 100 | 6 |
| VYR9NM-4P-C10-100mA-A-6kA | C | A | 4 | 10 | 100 | 6 |
| VYR9NM-4P-C16-100mA-A-6kA | C | A | 4 | 16 | 100 | 6 |
| VYR9NM-4P-C20-100mA-A-6kA | C | A | 4 | 20 | 100 | 6 |
| VYR9NM-4P-C25-100mA-A-6kA | C | A | 4 | 25 | 100 | 6 |
| VYR9NM-4P-C32-100mA-A-6kA | C | A | 4 | 32 | 100 | 6 |
| VYR9NM-4P-C40-100mA-A-6kA | C | A | 4 | 40 | 100 | 6 |
| **3P+N 300mA** | | | | | | |
| VYR9NM-4P-C06-300mA-A-6kA | C | A | 4 | 6 | 300 | 6 |
| VYR9NM-4P-C10-300mA-A-6kA | C | A | 4 | 10 | 300 | 6 |
| VYR9NM-4P-C16-300mA-A-6kA | C | A | 4 | 16 | 300 | 6 |
| VYR9NM-4P-C20-300mA-A-6kA | C | A | 4 | 20 | 300 | 6 |
| VYR9NM-4P-C25-300mA-A-6kA | C | A | 4 | 25 | 300 | 6 |
| VYR9NM-4P-C32-300mA-A-6kA | C | A | 4 | 32 | 300 | 6 |
| VYR9NM-4P-C40-300mA-A-6kA | C | A | 4 | 40 | 300 | 6 |

| RCBO Electronic type (E) | | | | | | |
|---|---|---|---|---|---|---|
| Article number | Curve | Residual current action type | Poles | Rated current In [A] | Rated residual action current I∆n [mA] | Rated breaking capacity Icn [kA] |
| **1P+N 30mA** | | | | | | |
| VYR9NE-2P-C06-30mA-A-6kA | C | A | 2 | 6 | 30 | 6 |
| VYR9NE-2P-C10-30mA-A-6kA | C | A | 2 | 10 | 30 | 6 |
| VYR9NE-2P-C16-30mA-A-6kA | C | A | 2 | 16 | 30 | 6 |
| VYR9NE-2P-C20-30mA-A-6kA | C | A | 2 | 20 | 30 | 6 |
| VYR9NE-2P-C25-30mA-A-6kA | C | A | 2 | 25 | 30 | 6 |
| VYR9NE-2P-C32-30mA-A-6kA | C | A | 2 | 32 | 30 | 6 |
| VYR9NE-2P-C40-30mA-A-6kA | C | A | 2 | 40 | 30 | 6 |
| **1P+N 100mA** | | | | | | |
| VYR9NE-2P-C06-100mA-A-6kA | C | A | 2 | 6 | 100 | 6 |
| VYR9NE-2P-C10-100mA-A-6kA | C | A | 2 | 10 | 100 | 6 |
| VYR9NE-2P-C16-100mA-A-6kA | C | A | 2 | 16 | 100 | 6 |
| VYR9NE-2P-C20-100mA-A-6kA | C | A | 2 | 20 | 100 | 6 |
| VYR9NE-2P-C25-100mA-A-6kA | C | A | 2 | 25 | 100 | 6 |
| VYR9NE-2P-C32-100mA-A-6kA | C | A | 2 | 32 | 100 | 6 |
| VYR9NE-2P-C40-100mA-A-6kA | C | A | 2 | 40 | 100 | 6 |
| **1P+N 300mA** | | | | | | |
| VYR9NE-2P-C06-300mA-A-6kA | C | A | 2 | 6 | 300 | 6 |
| VYR9NE-2P-C10-300mA-A-6kA | C | A | 2 | 10 | 300 | 6 |
| VYR9NE-2P-C16-300mA-A-6kA | C | A | 2 | 16 | 300 | 6 |
| VYR9NE-2P-C20-300mA-A-6kA | C | A | 2 | 20 | 300 | 6 |
| VYR9NE-2P-C25-300mA-A-6kA | C | A | 2 | 25 | 300 | 6 |
| VYR9NE-2P-C32-300mA-A-6kA | C | A | 2 | 32 | 300 | 6 |
| VYR9NE-2P-C40-300mA-A-6kA | C | A | 2 | 40 | 300 | 6 |
| **3P+N 30mA** | | | | | | |
| VYR9NE-4P-C06-30mA-A-6kA | C | A | 4 | 6 | 30 | 6 |
| VYR9NE-4P-C10-30mA-A-6kA | C | A | 4 | 10 | 30 | 6 |
| VYR9NE-4P-C16-30mA-A-6kA | C | A | 4 | 16 | 30 | 6 |
| VYR9NE-4P-C20-30mA-A-6kA | C | A | 4 | 20 | 30 | 6 |
| VYR9NE-4P-C25-30mA-A-6kA | C | A | 4 | 25 | 30 | 6 |
| VYR9NE-4P-C32-30mA-A-6kA | C | A | 4 | 32 | 30 | 6 |
| VYR9NE-4P-C40-30mA-A-6kA | C | A | 4 | 40 | 30 | 6 |
| **3P+N 100mA** | | | | | | |
| VYR9NE-4P-C06-100mA-A-6kA | C | A | 4 | 6 | 100 | 6 |
| VYR9NE-4P-C10-100mA-A-6kA | C | A | 4 | 10 | 100 | 6 |
| VYR9NE-4P-C16-100mA-A-6kA | C | A | 4 | 16 | 100 | 6 |
| VYR9NE-4P-C20-100mA-A-6kA | C | A | 4 | 20 | 100 | 6 |
| VYR9NE-4P-C25-100mA-A-6kA | C | A | 4 | 25 | 100 | 6 |
| VYR9NE-4P-C32-100mA-A-6kA | C | A | 4 | 32 | 100 | 6 |
| VYR9NE-4P-C40-100mA-A-6kA | C | A | 4 | 40 | 100 | 6 |
| **3P+N 300mA** | | | | | | |
| VYR9NE-4P-C06-300mA-A-6kA | C | A | 4 | 6 | 300 | 6 |
| VYR9NE-4P-C10-300mA-A-6kA | C | A | 4 | 10 | 300 | 6 |
| VYR9NE-4P-C16-300mA-A-6kA | C | A | 4 | 16 | 300 | 6 |
| VYR9NE-4P-C20-300mA-A-6kA | C | A | 4 | 20 | 300 | 6 |
| VYR9NE-4P-C25-300mA-A-6kA | C | A | 4 | 25 | 300 | 6 |
| VYR9NE-4P-C32-300mA-A-6kA | C | A | 4 | 32 | 300 | 6 |
| VYR9NE-4P-C40-300mA-A-6kA | C | A | 4 | 40 | 300 | 6 |

| RCBO Electromagnetic type (M) | | | | | | |
|---|---|---|---|---|---|---|
| Article number | Curve | Residual current action type | Poles | Rated current In [A] | Rated residual action current I∆n [mA] | Rated breaking capacity Icn [kA] |
| **1P+N 30mA** | | | | | | |
| VYR9NM-2P-B06-30mA-AC-6kA | B | AC | 2 | 6 | 30 | 6 |
| VYR9NM-2P-B10-30mA-AC-6kA | B | AC | 2 | 10 | 30 | 6 |
| VYR9NM-2P-B16-30mA-AC-6kA | B | AC | 2 | 16 | 30 | 6 |
| VYR9NM-2P-B20-30mA-AC-6kA | B | AC | 2 | 20 | 30 | 6 |
| VYR9NM-2P-B25-30mA-AC-6kA | B | AC | 2 | 25 | 30 | 6 |
| VYR9NM-2P-B32-30mA-AC-6kA | B | AC | 2 | 32 | 30 | 6 |
| VYR9NM-2P-B40-30mA-AC-6kA | B | AC | 2 | 40 | 30 | 6 |
| VYR9NM-2P-B63-30mA-AC-6kA | B | AC | 2 | 63 | 30 | 6 |
| **1P+N 100mA** | | | | | | |
| VYR9NM-2P-B06-100mA-AC-6kA | B | AC | 2 | 6 | 100 | 6 |
| VYR9NM-2P-B10-100mA-AC-6kA | B | AC | 2 | 10 | 100 | 6 |
| VYR9NM-2P-B16-100mA-AC-6kA | B | AC | 2 | 16 | 100 | 6 |
| VYR9NM-2P-B20-100mA-AC-6kA | B | AC | 2 | 20 | 100 | 6 |
| VYR9NM-2P-B25-100mA-AC-6kA | B | AC | 2 | 25 | 100 | 6 |
| VYR9NM-2P-B32-100mA-AC-6kA | B | AC | 2 | 32 | 100 | 6 |
| VYR9NM-2P-B40-100mA-AC-6kA | B | AC | 2 | 40 | 100 | 6 |
| VYR9NM-2P-B63-100mA-AC-6kA | B | AC | 2 | 63 | 100 | 6 |
| **1P+N 300mA** | | | | | | |
| VYR9NM-2P-B06-300mA-AC-6kA | B | AC | 2 | 6 | 300 | 6 |
| VYR9NM-2P-B10-300mA-AC-6kA | B | AC | 2 | 10 | 300 | 6 |
| VYR9NM-2P-B16-300mA-AC-6kA | B | AC | 2 | 16 | 300 | 6 |
| VYR9NM-2P-B20-300mA-AC-6kA | B | AC | 2 | 20 | 300 | 6 |
| VYR9NM-2P-B25-300mA-AC-6kA | B | AC | 2 | 25 | 300 | 6 |
| VYR9NM-2P-B32-300mA-AC-6kA | B | AC | 2 | 32 | 300 | 6 |
| VYR9NM-2P-B40-300mA-AC-6kA | B | AC | 2 | 40 | 300 | 6 |
| VYR9NM-2P-B63-300mA-AC-6kA | B | AC | 2 | 63 | 300 | 6 |
| **3P+N 30mA** | | | | | | |
| VYR9NM-4P-B06-30mA-AC-6kA | B | AC | 4 | 6 | 30 | 6 |
| VYR9NM-4P-B10-30mA-AC-6kA | B | AC | 4 | 10 | 30 | 6 |
| VYR9NM-4P-B16-30mA-AC-6kA | B | AC | 4 | 16 | 30 | 6 |
| VYR9NM-4P-B20-30mA-AC-6kA | B | AC | 4 | 20 | 30 | 6 |
| VYR9NM-4P-B25-30mA-AC-6kA | B | AC | 4 | 25 | 30 | 6 |
| VYR9NM-4P-B32-30mA-AC-6kA | B | AC | 4 | 32 | 30 | 6 |
| VYR9NM-4P-B40-30mA-AC-6kA | B | AC | 4 | 40 | 30 | 6 |
| **3P+N 100mA** | | | | | | |
| VYR9NM-4P-B06-100mA-AC-6kA | B | AC | 4 | 6 | 100 | 6 |
| VYR9NM-4P-B10-100mA-AC-6kA | B | AC | 4 | 10 | 100 | 6 |
| VYR9NM-4P-B16-100mA-AC-6kA | B | AC | 4 | 16 | 100 | 6 |
| VYR9NM-4P-B20-100mA-AC-6kA | B | AC | 4 | 20 | 100 | 6 |
| VYR9NM-4P-B25-100mA-AC-6kA | B | AC | 4 | 25 | 100 | 6 |
| VYR9NM-4P-B32-100mA-AC-6kA | B | AC | 4 | 32 | 100 | 6 |
| VYR9NM-4P-B40-100mA-AC-6kA | B | AC | 4 | 40 | 100 | 6 |
| **3P+N 300mA** | | | | | | |
| VYR9NM-4P-B06-300mA-AC-6kA | B | AC | 4 | 6 | 300 | 6 |
| VYR9NM-4P-B10-300mA-AC-6kA | B | AC | 4 | 10 | 300 | 6 |
| VYR9NM-4P-B16-300mA-AC-6kA | B | AC | 4 | 16 | 300 | 6 |
| VYR9NM-4P-B20-300mA-AC-6kA | B | AC | 4 | 20 | 300 | 6 |
| VYR9NM-4P-B25-300mA-AC-6kA | B | AC | 4 | 25 | 300 | 6 |
| VYR9NM-4P-B32-300mA-AC-6kA | B | AC | 4 | 32 | 300 | 6 |
| VYR9NM-4P-B40-300mA-AC-6kA | B | AC | 4 | 40 | 300 | 6 |

| RCBO Electronic type (E) | | | | | | |
|---|---|---|---|---|---|---|
| Article number | Curve | Residual current action type | Poles | Rated current In [A] | Rated residual action current I∆n [mA] | Rated breaking capacity Icn [kA] |
| **1P+N 30mA** | | | | | | |
| VYR9NE-2P-B06-30mA-AC-6kA | B | AC | 2 | 6 | 30 | 6 |
| VYR9NE-2P-B10-30mA-AC-6kA | B | AC | 2 | 10 | 30 | 6 |
| VYR9NE-2P-B16-30mA-AC-6kA | B | AC | 2 | 16 | 30 | 6 |
| VYR9NE-2P-B20-30mA-AC-6kA | B | AC | 2 | 20 | 30 | 6 |
| VYR9NE-2P-B25-30mA-AC-6kA | B | AC | 2 | 25 | 30 | 6 |
| VYR9NE-2P-B32-30mA-AC-6kA | B | AC | 2 | 32 | 30 | 6 |
| VYR9NE-2P-B40-30mA-AC-6kA | B | AC | 2 | 40 | 30 | 6 |
| **1P+N 100mA** | | | | | | |
| VYR9NE-2P-B06-100mA-AC-6kA | B | AC | 2 | 6 | 100 | 6 |
| VYR9NE-2P-B10-100mA-AC-6kA | B | AC | 2 | 10 | 100 | 6 |
| VYR9NE-2P-B16-100mA-AC-6kA | B | AC | 2 | 16 | 100 | 6 |
| VYR9NE-2P-B20-100mA-AC-6kA | B | AC | 2 | 20 | 100 | 6 |
| VYR9NE-2P-B25-100mA-AC-6kA | B | AC | 2 | 25 | 100 | 6 |
| VYR9NE-2P-B32-100mA-AC-6kA | B | AC | 2 | 32 | 100 | 6 |
| VYR9NE-2P-B40-100mA-AC-6kA | B | AC | 2 | 40 | 100 | 6 |
| **1P+N 300mA** | | | | | | |
| VYR9NE-2P-B06-300mA-AC-6kA | B | AC | 2 | 6 | 300 | 6 |
| VYR9NE-2P-B10-300mA-AC-6kA | B | AC | 2 | 10 | 300 | 6 |
| VYR9NE-2P-B16-300mA-AC-6kA | B | AC | 2 | 16 | 300 | 6 |
| VYR9NE-2P-B20-300mA-AC-6kA | B | AC | 2 | 20 | 300 | 6 |
| VYR9NE-2P-B25-300mA-AC-6kA | B | AC | 2 | 25 | 300 | 6 |
| VYR9NE-2P-B32-300mA-AC-6kA | B | AC | 2 | 32 | 300 | 6 |
| VYR9NE-2P-B40-300mA-AC-6kA | B | AC | 2 | 40 | 300 | 6 |
| **3P+N 30mA** | | | | | | |
| VYR9NE-4P-B06-30mA-AC-6kA | B | AC | 4 | 6 | 30 | 6 |
| VYR9NE-4P-B10-30mA-AC-6kA | B | AC | 4 | 10 | 30 | 6 |
| VYR9NE-4P-B16-30mA-AC-6kA | B | AC | 4 | 16 | 30 | 6 |
| VYR9NE-4P-B20-30mA-AC-6kA | B | AC | 4 | 20 | 30 | 6 |
| VYR9NE-4P-B25-30mA-AC-6kA | B | AC | 4 | 25 | 30 | 6 |
| VYR9NE-4P-B32-30mA-AC-6kA | B | AC | 4 | 32 | 30 | 6 |
| VYR9NE-4P-B40-30mA-AC-6kA | B | AC | 4 | 40 | 30 | 6 |
| **3P+N 100mA** | | | | | | |
| VYR9NE-4P-B06-100mA-AC-6kA | B | AC | 4 | 6 | 100 | 6 |
| VYR9NE-4P-B10-100mA-AC-6kA | B | AC | 4 | 10 | 100 | 6 |
| VYR9NE-4P-B16-100mA-AC-6kA | B | AC | 4 | 16 | 100 | 6 |
| VYR9NE-4P-B20-100mA-AC-6kA | B | AC | 4 | 20 | 100 | 6 |
| VYR9NE-4P-B25-100mA-AC-6kA | B | AC | 4 | 25 | 100 | 6 |
| VYR9NE-4P-B32-100mA-AC-6kA | B | AC | 4 | 32 | 100 | 6 |
| VYR9NE-4P-B40-100mA-AC-6kA | B | AC | 4 | 40 | 100 | 6 |
| **3P+N 300mA** | | | | | | |
| VYR9NE-4P-B06-300mA-AC-6kA | B | AC | 4 | 6 | 300 | 6 |
| VYR9NE-4P-B10-300mA-AC-6kA | B | AC | 4 | 10 | 300 | 6 |
| VYR9NE-4P-B16-300mA-AC-6kA | B | AC | 4 | 16 | 300 | 6 |
| VYR9NE-4P-B20-300mA-AC-6kA | B | AC | 4 | 20 | 300 | 6 |
| VYR9NE-4P-B25-300mA-AC-6kA | B | AC | 4 | 25 | 300 | 6 |
| VYR9NE-4P-B32-300mA-AC-6kA | B | AC | 4 | 32 | 300 | 6 |
| VYR9NE-4P-B40-300mA-AC-6kA | B | AC | 4 | 40 | 300 | 6 |

| RCBO Electromagnetic type (M) | | | | | | |
|---|---|---|---|---|---|---|
| Article number | Curve | Residual current action type | Poles | Rated current In [A] | Rated residual action current I∆n [mA] | Rated breaking capacity Icn [kA] |
| **1P+N 30mA** | | | | | | |
| VYR9NM-2P-C06-30mA-AC-6kA | C | AC | 2 | 6 | 30 | 6 |
| VYR9NM-2P-C10-30mA-AC-6kA | C | AC | 2 | 10 | 30 | 6 |
| VYR9NM-2P-C16-30mA-AC-6kA | C | AC | 2 | 16 | 30 | 6 |
| VYR9NM-2P-C20-30mA-AC-6kA | C | AC | 2 | 20 | 30 | 6 |
| VYR9NM-2P-C25-30mA-AC-6kA | C | AC | 2 | 25 | 30 | 6 |
| VYR9NM-2P-C32-30mA-AC-6kA | C | AC | 2 | 32 | 30 | 6 |
| VYR9NM-2P-C40-30mA-AC-6kA | C | AC | 2 | 40 | 30 | 6 |
| VYR9NM-2P-C63-30mA-AC-6kA | C | AC | 2 | 63 | 30 | 6 |
| **1P+N 100mA** | | | | | | |
| VYR9NM-2P-C06-100mA-AC-6kA | C | AC | 2 | 6 | 100 | 6 |
| VYR9NM-2P-C10-100mA-AC-6kA | C | AC | 2 | 10 | 100 | 6 |
| VYR9NM-2P-C16-100mA-AC-6kA | C | AC | 2 | 16 | 100 | 6 |
| VYR9NM-2P-C20-100mA-AC-6kA | C | AC | 2 | 20 | 100 | 6 |
| VYR9NM-2P-C25-100mA-AC-6kA | C | AC | 2 | 25 | 100 | 6 |
| VYR9NM-2P-C32-100mA-AC-6kA | C | AC | 2 | 32 | 100 | 6 |
| VYR9NM-2P-C40-100mA-AC-6kA | C | AC | 2 | 40 | 100 | 6 |
| VYR9NM-2P-C63-100mA-AC-6kA | C | AC | 2 | 63 | 100 | 6 |
| **1P+N 300mA** | | | | | | |
| VYR9NM-2P-C06-300mA-AC-6kA | C | AC | 2 | 6 | 300 | 6 |
| VYR9NM-2P-C10-300mA-AC-6kA | C | AC | 2 | 10 | 300 | 6 |
| VYR9NM-2P-C16-300mA-AC-6kA | C | AC | 2 | 16 | 300 | 6 |
| VYR9NM-2P-C20-300mA-AC-6kA | C | AC | 2 | 20 | 300 | 6 |
| VYR9NM-2P-C25-300mA-AC-6kA | C | AC | 2 | 25 | 300 | 6 |
| VYR9NM-2P-C32-300mA-AC-6kA | C | AC | 2 | 32 | 300 | 6 |
| VYR9NM-2P-C40-300mA-AC-6kA | C | AC | 2 | 40 | 300 | 6 |
| VYR9NM-2P-C63-300mA-AC-6kA | C | AC | 2 | 63 | 300 | 6 |
| **3P+N 30mA** | | | | | | |
| VYR9NM-4P-C06-30mA-AC-6kA | C | AC | 4 | 6 | 30 | 6 |
| VYR9NM-4P-C10-30mA-AC-6kA | C | AC | 4 | 10 | 30 | 6 |
| VYR9NM-4P-C16-30mA-AC-6kA | C | AC | 4 | 16 | 30 | 6 |
| VYR9NM-4P-C20-30mA-AC-6kA | C | AC | 4 | 20 | 30 | 6 |
| VYR9NM-4P-C25-30mA-AC-6kA | C | AC | 4 | 25 | 30 | 6 |
| VYR9NM-4P-C32-30mA-AC-6kA | C | AC | 4 | 32 | 30 | 6 |
| VYR9NM-4P-C40-30mA-AC-6kA | C | AC | 4 | 40 | 30 | 6 |
| **3P+N 100mA** | | | | | | |
| VYR9NM-4P-C06-100mA-AC-6kA | C | AC | 4 | 6 | 100 | 6 |
| VYR9NM-4P-C10-100mA-AC-6kA | C | AC | 4 | 10 | 100 | 6 |
| VYR9NM-4P-C16-100mA-AC-6kA | C | AC | 4 | 16 | 100 | 6 |
| VYR9NM-4P-C20-100mA-AC-6kA | C | AC | 4 | 20 | 100 | 6 |
| VYR9NM-4P-C25-100mA-AC-6kA | C | AC | 4 | 25 | 100 | 6 |
| VYR9NM-4P-C32-100mA-AC-6kA | C | AC | 4 | 32 | 100 | 6 |
| VYR9NM-4P-C40-100mA-AC-6kA | C | AC | 4 | 40 | 100 | 6 |
| **3P+N 300mA** | | | | | | |
| VYR9NM-4P-C06-300mA-AC-6kA | C | AC | 4 | 6 | 300 | 6 |
| VYR9NM-4P-C10-300mA-AC-6kA | C | AC | 4 | 10 | 300 | 6 |
| VYR9NM-4P-C16-300mA-AC-6kA | C | AC | 4 | 16 | 300 | 6 |
| VYR9NM-4P-C20-300mA-AC-6kA | C | AC | 4 | 20 | 300 | 6 |
| VYR9NM-4P-C25-300mA-AC-6kA | C | AC | 4 | 25 | 300 | 6 |
| VYR9NM-4P-C32-300mA-AC-6kA | C | AC | 4 | 32 | 300 | 6 |
| VYR9NM-4P-C40-300mA-AC-6kA | C | AC | 4 | 40 | 300 | 6 |

| RCBO Electronic type (E) | | | | | | |
|---|---|---|---|---|---|---|
| Article number | Curve | Residual current action type | Poles | Rated current In [A] | Rated residual action current I∆n [mA] | Rated breaking capacity Icn [kA] |
| **1P+N 30mA** | | | | | | |
| VYR9NE-2P-C06-30mA-AC-6kA | C | AC | 2 | 6 | 30 | 6 |
| VYR9NE-2P-C10-30mA-AC-6kA | C | AC | 2 | 10 | 30 | 6 |
| VYR9NE-2P-C16-30mA-AC-6kA | C | AC | 2 | 16 | 30 | 6 |
| VYR9NE-2P-C20-30mA-AC-6kA | C | AC | 2 | 20 | 30 | 6 |
| VYR9NE-2P-C25-30mA-AC-6kA | C | AC | 2 | 25 | 30 | 6 |
| VYR9NE-2P-C32-30mA-AC-6kA | C | AC | 2 | 32 | 30 | 6 |
| VYR9NE-2P-C40-30mA-AC-6kA | C | AC | 2 | 40 | 30 | 6 |
| **1P+N 100mA** | | | | | | |
| VYR9NE-2P-C06-100mA-AC-6kA | C | AC | 2 | 6 | 100 | 6 |
| VYR9NE-2P-C10-100mA-AC-6kA | C | AC | 2 | 10 | 100 | 6 |
| VYR9NE-2P-C16-100mA-AC-6kA | C | AC | 2 | 16 | 100 | 6 |
| VYR9NE-2P-C20-100mA-AC-6kA | C | AC | 2 | 20 | 100 | 6 |
| VYR9NE-2P-C25-100mA-AC-6kA | C | AC | 2 | 25 | 100 | 6 |
| VYR9NE-2P-C32-100mA-AC-6kA | C | AC | 2 | 32 | 100 | 6 |
| VYR9NE-2P-C40-100mA-AC-6kA | C | AC | 2 | 40 | 100 | 6 |
| **1P+N 300mA** | | | | | | |
| VYR9NE-2P-C06-300mA-AC-6kA | C | AC | 2 | 6 | 300 | 6 |
| VYR9NE-2P-C10-300mA-AC-6kA | C | AC | 2 | 10 | 300 | 6 |
| VYR9NE-2P-C16-300mA-AC-6kA | C | AC | 2 | 16 | 300 | 6 |
| VYR9NE-2P-C20-300mA-AC-6kA | C | AC | 2 | 20 | 300 | 6 |
| VYR9NE-2P-C25-300mA-AC-6kA | C | AC | 2 | 25 | 300 | 6 |
| VYR9NE-2P-C32-300mA-AC-6kA | C | AC | 2 | 32 | 300 | 6 |
| VYR9NE-2P-C40-300mA-AC-6kA | C | AC | 2 | 40 | 300 | 6 |
| **3P+N 30mA** | | | | | | |
| VYR9NE-4P-C06-30mA-AC-6kA | C | AC | 4 | 6 | 30 | 6 |
| VYR9NE-4P-C10-30mA-AC-6kA | C | AC | 4 | 10 | 30 | 6 |
| VYR9NE-4P-C16-30mA-AC-6kA | C | AC | 4 | 16 | 30 | 6 |
| VYR9NE-4P-C20-30mA-AC-6kA | C | AC | 4 | 20 | 30 | 6 |
| VYR9NE-4P-C25-30mA-AC-6kA | C | AC | 4 | 25 | 30 | 6 |
| VYR9NE-4P-C32-30mA-AC-6kA | C | AC | 4 | 32 | 30 | 6 |
| VYR9NE-4P-C40-30mA-AC-6kA | C | AC | 4 | 40 | 30 | 6 |
| **3P+N 100mA** | | | | | | |
| VYR9NE-4P-C06-100mA-AC-6kA | C | AC | 4 | 6 | 100 | 6 |
| VYR9NE-4P-C10-100mA-AC-6kA | C | AC | 4 | 10 | 100 | 6 |
| VYR9NE-4P-C16-100mA-AC-6kA | C | AC | 4 | 16 | 100 | 6 |
| VYR9NE-4P-C20-100mA-AC-6kA | C | AC | 4 | 20 | 100 | 6 |
| VYR9NE-4P-C25-100mA-AC-6kA | C | AC | 4 | 25 | 100 | 6 |
| VYR9NE-4P-C32-100mA-AC-6kA | C | AC | 4 | 32 | 100 | 6 |
| VYR9NE-4P-C40-100mA-AC-6kA | C | AC | 4 | 40 | 100 | 6 |
| **3P+N 300mA** | | | | | | |
| VYR9NE-4P-C06-300mA-AC-6kA | C | AC | 4 | 6 | 300 | 6 |
| VYR9NE-4P-C10-300mA-AC-6kA | C | AC | 4 | 10 | 300 | 6 |
| VYR9NE-4P-C16-300mA-AC-6kA | C | AC | 4 | 16 | 300 | 6 |
| VYR9NE-4P-C20-300mA-AC-6kA | C | AC | 4 | 20 | 300 | 6 |
| VYR9NE-4P-C25-300mA-AC-6kA | C | AC | 4 | 25 | 300 | 6 |
| VYR9NE-4P-C32-300mA-AC-6kA | C | AC | 4 | 32 | 300 | 6 |
| VYR9NE-4P-C40-300mA-AC-6kA | C | AC | 4 | 40 | 300 | 6 |

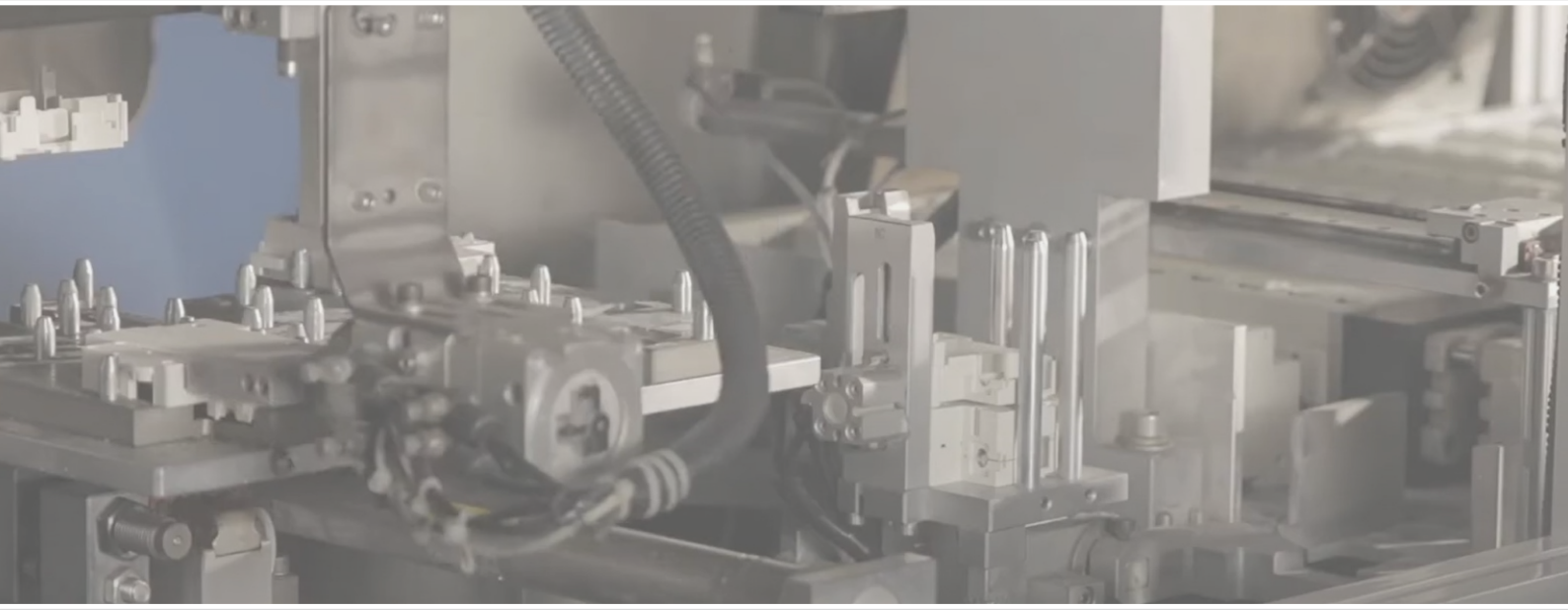
# Why you should choose our products


Our products are high-quality and reliable circuit breakers (MCB), residual current circuit breaker, without overcurrent protection (RCCB), residual current circuit breaker with overload protection (RCBO) and voltage monitoring relays that will help you create a safe and comfortable home or workspace. We offer affordable prices for our products, as we understand how important it is to make repairs and construction affordable for everyone. At the same time, we do not skimp on quality, our products meet all necessary safety standards and undergo strict quality control. By choosing our products, you can be sure of their reliability and durability. Create your future with us!

# Our concern for the environment

We take care of the environment and use eco-friendly materials for packaging our products. The corrugated cardboard we use can be recycled and reused, which reduces our environmental impact. We hope that after purchasing our products, you will dispose of the packaging correctly in order to protect the environment and preserve natural resources for future generations.

We strive to establish long-term partnerships based on trust and mutual benefit.



## Volthaus Industry LLC

Customer service, cooperation offers
and technical support:

tel.: +372 5939 4209
Mon-Fri: 10:00 am - 6:00 pm (EET)

volthaus@mail.ee

Visit our website: **volthaus.net**

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need additional information,
please contact us.
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