

Vacuum Circuit Breakers

VCB15/25

Selection sheet



Maintenance free

The switching module's robust design guarantees up to 50,000 rated current and 100 full rated short circuit CO operations with no maintenance required.



Continuous self-supervision

The whole trip and close circuit supervision come in a single package with any VCB. In the event of a malfunction, it will be indicated locally with LED and remotely via relay contacts.



Most compact dimension and weight

With a weight starting from 34 kg, Tavrída Electric's circuit breakers are the lightest in their class which significantly simplifies the installation process.



Any spatial orientation

Adjustment and mounting flexibility for the optimization of switchgear design, which allows to define how to make primary and secondary connections, saving even more space.



High operational speed

Opening and closing times as low as 12 ms and 24 ms respectively, enabling the implementation of fast transfer switching, arc flash mitigation or fault current limitation.

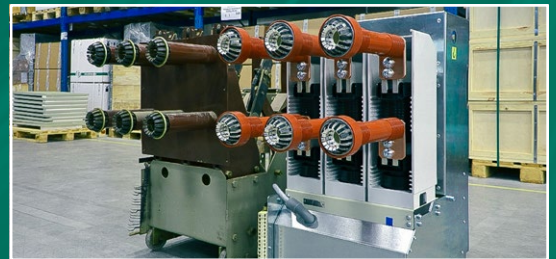


Single phase option

The perfect match for applications like transformers or generators with neutral earthing, server rooms and point on wave switching.

Tavrída Electric is a world-class manufacturer of medium voltage switchgear such as Vacuum Circuit Breakers & Automatic Circuit Reclosers. The VCB series circuit breaker is the result of extensive R&D efforts to provide outstanding performance for compact switchgear designs, retrofit programs, and special applications.

After 27 years on the market, the VCB series install base has reached 500,000 units worldwide continuing to resolve most ambitious customer problems.





VCB15_LD3_16F(1 2 3 4 5 6 7 8)

| | | | | | | | | | |
|---|---|----|----|-----|----|--|---|-----------|--|
| VCB application type | CB | CB | | | | | | | |
| Rated voltage | 12 kV | 12 | | | | | | | |
| Rated short circuit current | 20 kA | | 20 | | | | | | |
| Rated normal current | 800 A | | | 800 | | | | | |
| Pole centre distance | Not applicable | | | | NA | | | | |
| Main low terminal of ISM | One main lower terminal | | | | | | 1 | | |
| Range of rated supply voltage of auxiliary circuits | 24–60 V DC 110–220 V AC/DC | | | | | | | 60 220 | |
| Customization | For customized options consult local representative | | | | | | | | |



VCB25_LD3_16F(1 2 3 4 5 6 7 8)

| | | | | | | | | | |
|---|---|----|----|-----|----|--|---|-----------|--|
| VCB application type | CB | CB | | | | | | | |
| Rated voltage | 24 kV | 24 | | | | | | | |
| Rated short circuit current | 16 kA | | 16 | | | | | | |
| Rated normal current | 800 A | | | 800 | | | | | |
| Pole centre distance | Not applicable | | | | NA | | | | |
| Main low terminal of ISM | One main lower terminal | | | | | | 1 | | |
| Range of rated supply voltage of auxiliary circuits | 24–60 V DC 110–220 V AC/DC | | | | | | | 60 220 | |
| Customization | For customized options consult local representative | | | | | | | | |



VCB15_Shell2_16F(1 2 3 4 5 6 7 8)

| | | | | | | | | | |
|---|---|------------|------|--------------|--|-------------------|---|-----------|--|
| VCB application type | CB | CB | | | | | | | |
| Rated voltage | 12 kV 17.5 kV | 12 17.5 | | | | | | | |
| Rated short circuit current | 31.5 kA | | 31.5 | | | | | | |
| Rated normal current | 1250 A 2000 A | | | 1250 2000 | | | | | |
| Pole centre distance | 150 mm 210 mm 275 mm | | | | | 150 210 275 | | | |
| Main low terminal of ISM | One main lower terminal | | | | | | 1 | | |
| Range of rated supply voltage of auxiliary circuits | 24–60 V DC 110–220 V AC/DC | | | | | | | 60 220 | |
| Customization | For customized options consult local representative | | | | | | | | |

Control module selection and accessories applicability



CM_16_1(1 - 2 - 3)

| | | | | |
|--------------------------------|---|-----------|-------------|-----------------------|
| Rated supply voltage | 24-60 V DC 110-220 V AC/DC | 60 220 | | |
| Application type of VCB | Standard circuit breaker Circuit breaker with loss of auxiliary supply functionality | | CB CB-LS | |
| ISM driver firmware used in CM | ISM15_LD_1, ISM15_LD_6 ISM_LD_3 ISM_Shell_2 ISM25_LD_1, ISM25_LD_2 ISM25_LD_3 | | | 1 2 3 4 5 |

| UNIT | LD1 | LD3 | SHELL2 |
|---|-----|-----|--------|
| Manual generator | | | |
| CBunit_ManGen_1 for CM_16_1(220_Par2_Par3) | • | • | • |
| CBunit_ManGen_2 for CM_16_1(60_Par2_Par3) | • | • | • |
| Interlocking kit | | | |
| CBkit_Interlock_1 | • | | |
| CBkit_interlock_2(1000) | | | • |
| Release cable | | | |
| CBcomp_RelCable_1(1000) | • | • | |
| Position indicator | | | |
| Unit_PosInd_3 | • | • | |

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