



ЧЭАЗ

ЧЕБОКСАРСКИЙ ЭЛЕКТРОАППАРАТНЫЙ ЗАВОД

**CHEBOKSARY ELECTRIC
APPARATUS PLANT**

CHEAZ offers a range of circuit breakers and power transformers manufactured by CHEAZ. Their technical features and quality meet the international standards and can compete with products from world leading manufacturers, but prices of our products are much lower.

All our products have been developed by CHEAZ and are manufactured in Russia, which is confirmed by the relevant documents.

BA40 Series MOLDED CASE CIRCUIT BREAKER



MCCBs are designed to carry current under normal conditions and to break current at short circuit, overcurrent or undervoltage, and for rare switching operations (up to 30 times per 24 hours). They are designed for operation in installations with rated voltage of 250 to 500 V DC, and 240 to 690 V AC, 50/60 Hz.

Advantage: Compact NSX, OptiMat complete replacement possibility in operated switchgears, as well as the use of their accessories.

- *Design- fixed, plug-in or withdrawable versions*
- *3 poles for AC circuit breakers*
- *2 or 3 poles for DC circuit breakers*
- *thermal magnetic or electronic trip units*
- *utilization category A (BA40-02, BA40-06) or B (BA40-16)*

Isolating accessories



Extended terminal cover

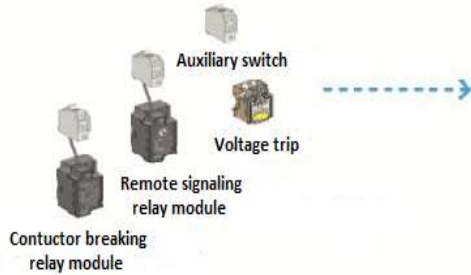


Terminal covers

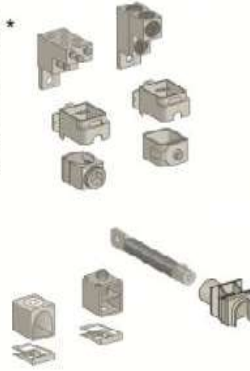


Interpole barriers

Electrical auxiliary devices



Spreader links



Monoblock terminal spreader



Cables set



Breaker status & control module

Control accessories



Standard operating handle



Extended rotary handle



Motor operator

Protection and measurement

to 525 V



Differential block



Current transformer block



Ammeter block



Trip unit without display



Trip unit with display

BA40 Accessories

Air Circuit Breakers by CHEAZ BA50-47

The breakers are designed for operation in installations with rated voltage to 690 V AC, 50/60 Hz.

5 frame sizes:

1 – up to 1000 A

2 – up to 1600 A

3 – up to 2500 A

4 – up to 4000 A

5 – up to 6300 A

Number of poles: 3, 4

Ultimate breaking capacity: 65...130 kA

Modifications: fixed, withdrawable



Vacuum circuit breakers

BB-CHEAZ-2-10



Vacuum circuit breakers are designed for switching operations under normal and fault conditions in 3-phase AC networks 6(10) kV, 50 Hz in indoor and outdoor switchgear cubicles.

- *Circuit breakers are provided in fixed and withdrawable modifications.*
- *Three poles have a common spring-loaded drive.*
- *The spring is charged with a gear motor.*

VACUUM CIRCUIT BREAKERS BB-CHEAZ-20

Vacuum circuit breakers BB-CHEAZ-20 are designed for switching operations under normal and fault conditions in 3-phase AC networks (50 Hz) with insulated or impedance grounded neutral.



- *Circuit breakers are provided in fixed and withdrawable modifications.*
- *Three poles of circuit breakers have a common mechanically connected drive.*
- *The design of a fixed modification allows it to be installed on chassis in different switchgear.*

VACUUM CIRCUIT BREAKERS BB-CHEAZ-35

Vacuum circuit breakers BB-CHEAZ-35 are designed for switching operations under normal and fault conditions in 3-phase AC networks 35 kV, 50 Hz in indoor and outdoor switchgear cubicles.



- *Circuit breakers are provided in fixed and withdrawable modifications.*
- *By the constructive and functional connection between the poles the circuit breakers have a three-pole design with a common spring-motor drive for three poles, which uses the energy of a coil spring charged by a geared motor to close the circuit breaker.*

VACUUM CIRCUIT BREAKERS BBH-CHEAZ-35 FOR OUTDOOR INSTALLATION

- *Rated currents from 1600 to 2500 A*
- *Breaking capacity to 31,5 kA*
- *On-off with 10000 cycles mechanical life*
- *Accessories: AUX contacts, electrical interlock, cycle counter, opening/closing coil.*



HIGH SPEED CIRCUIT BREAKERS

Rated Current	630; 1250; 1600; 2000; 2500; 3150
Rated breaking current	20; 31,5; 40
Interpole distance	150; 210; 275
Electrical durability resource: with rated current, on-off cycles with rated breaking current, on operations with rated breaking current, on-off cycles	3000 50 25
Make time, ms	Not more than 28
Break time, ms	Not more than 10
Total breaking time, ms	Not more than 30



Power transformers TLS



TLS, TLS3 general purpose transformers of voltage classes up to 10 kV with natural and forced air cooling and off-circuit tap changing are designed for electric power conversion in power system networks and for 50 Hz AC consumers.

Components for 6(10), 35 kV switchgear cubicles:

- Earthing devices ZR-CHEAZ-10/31,5 and ZR-CHEAZ-35/31,5 are designed to operate in indoor switchgear cubicles in 3-phase AC networks (50 Hz) with rated voltage 10 and 35 kV.
- Equipment trolleys TBB-CHEAZ-10 are for moving a switching apparatus inside the draw-out element compartment of the complete switchgear cabinet.
- SHM-CHEAZ shutter mechanisms are designed to protect service personnel from contact with current carrying parts of the main circuit fixed contacts in switchgear cubicles 6-10, 35 kV.
- Support isolators and bushings are designed to provide the isolation of busbars from the metal case and installed at the input of 6-10 or 35 kV switchgears.

