EKF

Master Catalog

Electrical Products For Professionals

Summer - 2020

PRODUCTION CAPACITIES

The company's production base includes:

- production sites in Moscow, Moscow and Vladimir regions;
- company's testing laboratory in Moscow which has the latest equipment.

EKF is a member of the import substitution program, which actively develops domestic production of electric boards and accessories, cable-carrying systems, measuring instruments, electric-installations and wiring products, and bus-line systems.

In 2019, the company launched its own production of a metal tray in Moscow and modular automotive equipment in the city of Aleksandrov, Vladimir region.

HIGH QUALITY STANDARDS

EKF products are under the development on the basis of modern technologies with consideration of the latest scientific achievements. All components and ready products pass testing and independent assessment in international and Russian centers. Certification of production sites in accordance with ISO 9001 guarantees a professional approach and consistently high quality of products.

MODERN LOGISTIC COMPLEXES

The company's efficient logistics system allows to maintain the prompt delivery of products to partners anywhere in Russia and around the CIS.
The EKF's modern logistics centers are located in Moscow, Novosibirsk, Yekaterinburg, Rostov-on-Don and Almaty. All terminals have an automated WMS warehouse management system and convenient access locations for the Euro Trailers.

EKF PRODUCT LINES - smart solutions for various industries

In accordance with the industry specifics and various budget possibilities of consumers, we have developed three product lines of equipment: AVERES, PROxima, and BASIC

10 YEARS — AVERES

Premium AVERES is the best solution for industry and complex facilities. The high quality standard is confirmed by the 10-YEARSr warranty which EKF provides for the devices of this line.

7 YEAR — PROxima EKF

Optimal PROxima is the optimal choice for residential construction, commercial real estate, and infrastructure projects. It is convenient and fast to install. Warranty – 7 YEARS.

3 YEAR — BASIC

Budget BASIC is the best solution for economy-class housing construction. The option of engineering procurement for the facilities on a turn-key basis without extra cost. Warranty - 3 YEARS.

CONTENT

Circuit breakers Series AV-6 EKF AVERES
Circuit breakers Series AV-10 EKF AVERES

DESCRIPTION

IP20 · WARRANTY 10 YEARS · EAC · Al/Cu

Circuit breakers Series AV-6/AV-10 EKF AVERES designed for operational management of electrical circuits sections, also for protection against overload and short-circuit currents in administrative, industrial and residential premises. The switches have one-, two -, three- and four-pole versions. Complete set of accessories for the expandability. The warranty period is 10 YEARS.

IEC 60898-Z, All-Union State Standard R 50345-2010

C – switch will work between fivefold 10- values of the rated current. It is recommended for installation in networks with a mixed load that include moderate starting currents (civil construction, office space).

B – the switch operates between 3 and 5 -fold values of the rated current. They are used in networks with little or no launch current increase (illumination).
D – switch operates between 10 and 14 -fold values of the rated current. It is usually used for the launch of electric motors with high in-rush starting current .

Rated current – the basic value of the current, in comparison with which the protective actions of the automatic switch occur in case of the load current excess

The maximum switching capacity (MSC) is the maximum possible short-circuit current which the circuit breaker can switch off the circuit under its protection
AND SAVE ITS WORK CAPACITY AT THE SAME TIME.

The third energy limiting class – the disconnection occurs in 1/3 of the half-period (2.5-6 ms).

APPLICATION

- Current performance in normal mode.
- Operational management of electrical circuits sections.
- Protection against overload and short-circuit currents.
- They are used as the main element of the final distribution system.

ADVANTAGES

Instantaneous switching mechanism (ISM)

Rugged housing, 9 rivets

Convenient display for the electric circuit marking

Cast nameplate

The current state window of the contact elements with protection against sparks

Switching with aluminum and copper wire is possible

Automatic circuit breakers of AV-6 DC EKF AVERES series

DESCRIPTION

Al/Cu · IP20 · WARRANTY 10 YEARS · EAC

AV-6 DC EKF AVERES automatic circuit breakers are designed to protect DC electrical circuits from overload and short-circuit currents, conduct current in normal mode, and quickly switch on and off DC circuits. Complete set of accessories for the expandability. The warranty period is 10 YEARS.

IEC 60947-2 / IEC 14048.2
All-Union State Standard R 50030.2-2010

C – the switch will work between 5- and 10 fold values of the rated current. It is recommended for installation in networks with a mixed load that include moderate starting currents (civil construction, office space).

Rated current – the basic value of the current, in comparison with which the protective actions of the automatic switch occur in case of the load current excess.

The maximum switching capacity (MSC) – is the maximum possible short-circuit current which the circuit breaker can switch off the circuit under its protection and save its work capacity at the same time.

The third energy limiting class – – the disconnection occurs in 1/3 of the half-period (2.5-6 ms).

The anode (+) and cathode (-) must be connected to the corresponding terminals of the circuit breakers.

APPLICATION

- Industrial applications (process control systems).
- Protective and emergency installations (lighting systems, emergency alarm systems).
- Application in hospitals.
- Telecommunications.
- Data analysis centers, workstations, servers and etc.

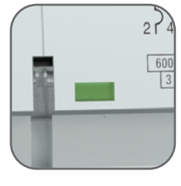
ADVANTAGES

Instantaneous switching mechanism (ISM)

Rugged housing, 9 rivets

Convenient display for the electric circuit marking

Cast nameplate



The current state window of the contact elements with protection against sparks

Switching with aluminum and copper wire is possible

Circuit breakers VA 47-63 4,5 kA, VA 47-63 6 kA EKF PROxima

DESCRIPTION

Al/Cu · IP20 · WARRANTY 7 YEARS

ALL-UNION STATE STANDARD R 50345-2010
(IEC 60898-1: 2003) Sealing patent № 57543

Circuit breakers are mechanical switching devices that are manufactured in one-,two -, three- and four-pole versions in accordance with ALL-UNION STATE STANDARD R 50345-2010. A special feature of this switches series is the improved design. The switches have plastic covers that block access to the screw clamp and serve to seal the switches in order to prevent an unauthorized access to the conductors. The switch housing is reinforced with additional rivets to remove the body's divergence effect. The front panel of the switch has a color status indicator. The design of the mounting clip allows the switch to be installed freely on the DIN rail.

The characteristic of time-current response is the response range of the electromagnetic protection.

B – the switch operates between 3 and 5 -fold values of the rated current. They are used in networks with little or no launch current increase (illumination).
C – switch operates between 5 and 10 -fold values of the rated current. It is recommended for installation in networks with a mixed load that include moderate starting currents (office space).
D – switch operates between 10 and 14 -fold values of the rated current. It is usually used for the launch of electric motors with high in-rush starting current.

Maximum switching capacity (MSC) is the maximum short-circuit current which the switch can turn off and save its work capacity at the same time. **The energy limiting class** - limits the short-circuit current within 1/3 of the half-cycle (2.5-6 ms).

Rated current – the basic value of the current, in comparison with which the protective actions of the switch occur by the load current excess.

APPLICATION

The circuit breakers are used in administrative, industrial and residential buildings:
- current performance in normal mode.
- operational management of electrical circuits sections;
- protection against overload and short-circuit currents;
- as the main element of the final distribution system.

ADVANTAGES


Tightening torque and the depth of wire stripping on the case


Two-position DIN rail clamp

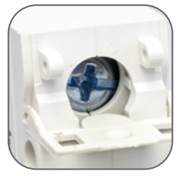
Single front panel

Contact status indicator display


Increased case rigidity


Panels for the terminals sealing


Automatic adjustment of the control lever


Increased hardness of screws


Recesses for easy removal from the DIN rail.


Terminals with notches

Switching with aluminum and copper wire is possible


Recesses on the case for the device cooling

Automatic circuit breakers VA 47-100 EKF PROxima

DESCRIPTION

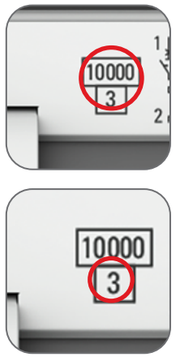
IP20 · EAC · WARRANTY 7 YEARS · Al/Cu

he VA 47-100 EKF PROxima (BA 47-100 EKF PROxima) circuit breakers have included all the advantages of the previous model (interchangeable) and the latest innovations. They are produced in one-, two -, three- and four-pole versions.

ALL-UNION STATE STANDARD R 50345-2010 (IEC 60898-1: 2003)
Sealing patent № 57543

The characteristic of time-current response is the response range of the electromagnetic protection.

C – switch operates between 5 and 10 -fold values of the rated current. It is recommended for installation in networks with a mixed load that include moderate starting currents (civil construction, office space).
D – switch operates between 10 and 14 -fold values of the rated current. It is usually used for the connection of the electric - motors with high in-rush starting currents.



The maximum switching capacity (MSC) is the maximum possible short-circuit current which the circuit breaker can switch off the circuit under its protection and at the same time remain operational.

The energy limiting class – the disconnection occurs in 1/3 of the half-period (2.5-6 ms)

Rated current – the basic value of the current, in comparison with which the protective actions of the automatic switch occur in case of the load current excess.

APPLICATION

The circuit breakers VA 47-100 EKF PROxima (BA 47-100 EKF PROxima) are used in administrative, industrial and residential buildings:
- current performance in normal mode.
- operational management of electrical circuits sections;
- protection against overload and short-circuit currents;
- as the main element of the final distribution system.

ADVANTAGES


The service area is closed by a dielectric


Two-position DIN rail clamp


Contact status indicator display


Increased case rigidity


Panels for the terminals sealing


Recesses on the case for the device cooling

Single front panel

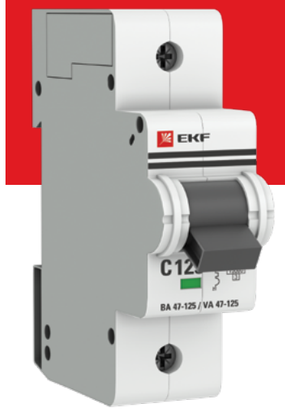

The notched terminals for a reliable connection with the conductors


Automatic adjustment of the control lever

Switching with aluminum and copper wire is possible

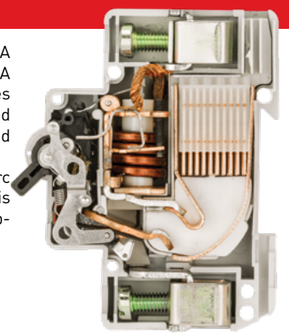
The automatic circuit breakers VA 47-125 EKF PROxima

DESCRIPTION



IP20 · WARRANTY 7 YEARS · Al/Cu · EAC

The automatic circuit breakers VA 47-125 EKF PROxima (BA 47-125 EKF) due to the high switching capacity limit of 15 kA can be used instead of power circuit breakers. The switches have a case width of 1.5 mm (27 mm) and are manufactured with rated currents up to 125 A in single-, two-, three- and four-pole versions.
For reliable arc control, a double contact gap and two arc quench chambers are used. Optimal current conductivity is provided by a silverized spring assembly. Aluminum and copper wire switching is possible.



ALL-UNION STATE STANDARD R 50345-2010
(IEC 60898-1: 2003)

The characteristic of time-current response is the response range of the electromagnetic protection.

C – switch operates between 5 and 10 -fold values of the rated current. It is recommended for installation in networks with a mixed load which provides moderate in-rush starting current (civil engineering, office space).
D – switch operates between 10 and 14 -fold values of the rated current. It is usually used for the launch of electric motors with high in-rush starting current .

Rated current – the basic value of the current, in comparison with which the protective actions of the automatic switch occur in case of the load current excess.

The maximum switching capacity (MSC) is the maximum possible short-circuit current which the circuit breaker can switch off the circuit under its protection and at the same time remain operational.

The energy limiting class – the disconnection occurs in 1/3 of the half-period (2.5-6 ms).

APPLICATION

The circuit breakers VA 47-125 EKF PROxima (BA 47-100 EKF PROxima) are used in administrative, industrial and residential buildings:

- current performance in normal mode.
- operational management of electrical circuits sections;
- protection against overload and short-circuit currents;
- as the main element of the final distribution system.

ADVANTAGES

The service area is closed by a dielectric

Double contact gap

Terminals with notches for a reliable connection with the conductors

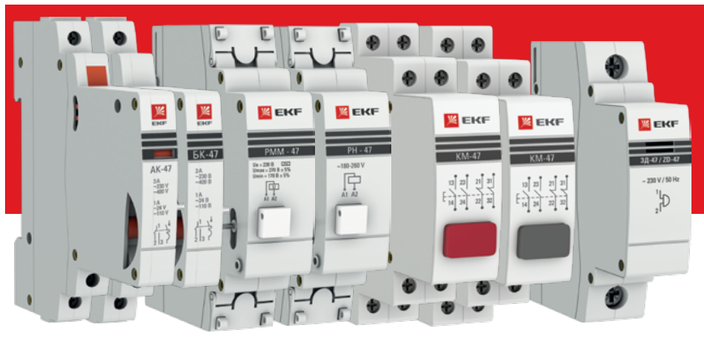
Contact status indicator display

Two arc quench chambers for reliable arc control

Ease of disassembly at the expense of the bevel for a screwdriver

Auxilliary devices EKF PROxima

DESCRIPTION



IP20 · WARRANTY 7 YEARS · Al/Cu · EAC

The auxilliary devices EKF PROxima are a new generation of devices that incorporate all the most innovative developments in the field of electrical engineering. The models of this series have a unique design and many advantages over the products of the previous series. Aluminum and copper wire switching is possible. The auxilliary equipment EKF PROxima is designed to work only with the same series of modular automatics. **It is not designed for operation with automatic circuit breakers VA 47-125 (BA 47-125) and load-break switches VN-125 (BH-125).**

ALL-UNION STATE STANDARD R 50030.5.1-2005
(IEC 60947-5-1: 2014)

1. The signalling contact element AK-47 EKF PROxima.
2. Contact block BK-47 EKF PROxima. (БК-47 EKF PROxima)
3. Minimum and maximum voltage release device RMM-47 EKF PROxima.
4. Shunt release devices RN-47 EKF PROxima.
5. Modular button-47 (red) EKF PROxima.
6. Modular button-47 (grey) EKF PROxima.
7. Buzzer-47 EKF PROxima.
8. Signal lamps-47 (blue color) EKF PROxima.
9. Signal lamps-47 (green) EKF PROxima.
10. Signal lamps-47 (red) EKF PROxima.
11. Signal lamps-47 (yellow) EKF PROxima.
12. Signal lamps-47 (white color) EKF PROxima.
13. Phase monitor LSF-47 EKF PROxima.
14. Home socket-47 EKF PROxima.
15. European home socket-47 EKF PROxima.

APPLICATION

- Maintenance, control and management of electrical equipment assembled on the basis of RCBO (residual current circuit breaker) and load-break switches.
- It is used within the automation systems of processing equipment.

ADVANTAGES

The housings are made of flame retardant plastic

Unification of all auxilliary devices

Cast nameplate

Application of a led lamp instead of a neon one (Signal lamps-47, phase monitor LSF-47)

Increased rigidity thanks to 6 rivets on the housing

Optimization of product sizes (Signal lamps-47) - switchboard's space economy

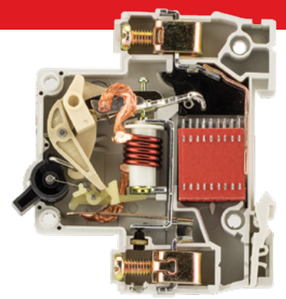
Circuit breakers Series VA 47-29 EKF BASIC

DESCRIPTION

Al/Cu · EAC · IP20 · WARRANTY 3 YEARS

The circuit breakers VA 47-29 4,5 кА EKF BASIC (BA 47-29 4,5 кА EKF BASIC) are designed to provide reliable electrical equipment at an affordable price. They are produced in one -, two- and three-pole versions.

ALL-UNION STATE STANDARD R



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C – switch operates between 5 and 10 -fold values of the rated current. It is recommended for installation in networks with a mixed load that include moderate starting currents (civil construction, office space).

The maximum switching capacity (MSC) is the maximum possible short-circuit current which the circuit breaker can switch off the circuit under its protection and at the same time remain operational.

The energy limiting class – the disconnection occurs in 1/3 of the half-period (2.5-6 ms)

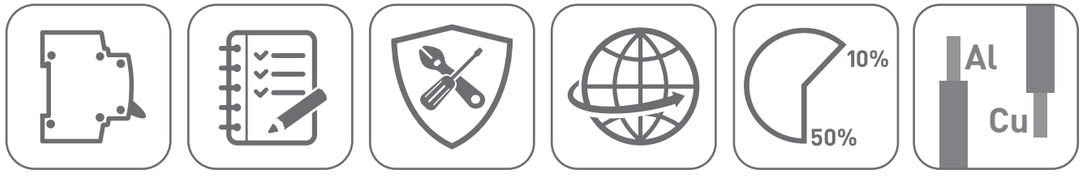
Rated current – the basic value of the current, in comparison with which the protective actions of the automatic switch occur in case of the load current excess.

APPLICATION

The circuit breakers VA 47-29 EKF BASIC (BA 47-29 EKF BASIC) are used in administrative, industrial and residential buildings:

- current performance in normal mode;
- operational management of electrical circuits sections;
- protection against overload and short-circuit currents;
- they are used as the main element of the final distribution system.

ADVANTAGES



Reliable and verified construct · Wide product range and reliability · Operational comfort usages · Quality correspond to international standards · Austerity budget 10-50% in comparison with European brands · Possible switching to aluminum to aluminum

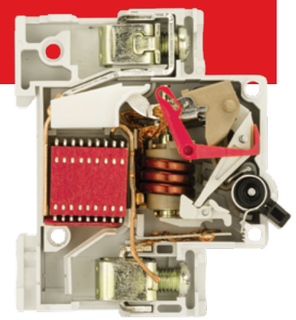
Circuit breakers Series VA 47-100 EKF BASIC

DESCRIPTION

WARRANTY 3 YEARS · Al/Cu · IP20 · EAC

Circuit breakers BA 47-100 EKF BASIC (VA 47-100 EKF BASIC) have included all the advantages of the previous model (interchangeable) and the latest innovative developments. They are produced in one-, two-, three- and four-pole versions.

ALL-UNION STATE STANDARD R 50345-2010 (IEC 60898-1: 2003)
Sealing patent № 57543



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Rated current – the basic value of the current, in comparison with which the protective actions of the automatic switch occur in case of the load current excess.

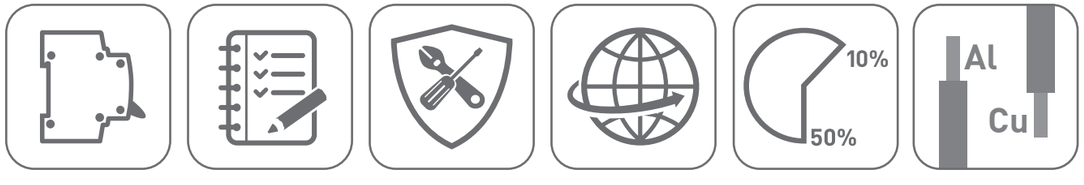
The energy limiting class – the disconnection occurs in 1/3 of the half-period (2.5-6 ms).

APPLICATION

The circuit breakers VA 47-100 EKF PROxima BASIC (BA 47-100 EKF PROxima BASIC) are used in administrative, industrial and residential buildings:

- current performance in normal mode.
- operational management of electrical circuits sections;
- protection against overload and short-circuit currents;
- as the main element of the final distribution system.

ADVANTAGES



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