



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



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

7 YEAR



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



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.

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Residual current circuit breaker (RCCB) VDT-40 EKF BASIC

DESCRIPTION



Residual current circuit breaker (RCCB) are designed to protect a person from electric injuries in case of touches towards the open wiring or electrical equipment under voltage, and prevents fires that occur due to prolonged leakage currents and short-circuit currents that develop from them. In order to protect the consumers against overload and short-circuit currents, RCCB must be used in conjunction with automatic switches.

All-Union State Standard R 51326.1-99 (IEC 61008-1-96)



Rated RCCB current – the maximum current which the RCCB can withstand for a long period of time, while maintaining its work capacity and safety features.



Rated voltage Un – the actual value of the voltage at which the RCCB has full work capacity.



The nominal tripping differential current IΔn is the value of the tripping differential current at which the RCCB must operate under specified conditions.

APPLICATION

- Protection of people from electric injuries if they accidentally touch the open conductive parts of the electric installation;
- Protection of electrical equipment (EE) in case of damage to the insulation of conductors and failures of electrical equipment (EE);
- Prevention of inflammations and fires arising from the flow of leakage currents and the resulting short circuits, ground faults and earth faults.

ADVANTAGES

Switching with aluminum and copper wire is possible

Reliable and a proven design

Operational comfort and reliability of use

Quality meets the international standards

Budget economy of 10-50% in comparison with European brands

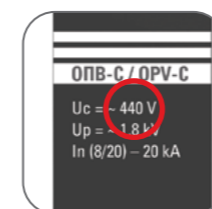
Surge arrester OPV EKF PROxima

DESCRIPTION

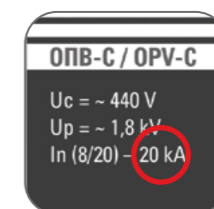


SA (Surge arrester) OPV EKF PROxima is designed to limit transient overvoltages and divert current pulses in 50 Hz alternating current networks. Aluminum and copper commutation is possible.

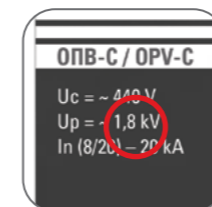
ALL-UNION STATE STANDARD R 51992-2011 (IEC 61643-1: 2005)



Maximum continuous operating voltage Uc – the maximum voltage of the AC or DC current value, which is applied for a long time to the terminals of the SPD (Surge protection device).



Rated discharge current In is the peak value of the current flowing through the SPD (Surge protection device), with a waveform of 8/20 microseconds.



The protection voltage level Up is a parameter which characterizes the SPD (Surge protection device) in terms of the voltage limitation at its terminals, the value of which is selected from among the preferred values. This value must be higher than the highest of the measured limited voltages.



Type and class of lightning arrester
 Type 1 - withstands direct lightning discharge.
 Type 2 - serves as the second level of lightning protection and protects electrical networks.
 Type 3 - designed to protect the equipment and household appliances.

APPLICATION

- The voltage selector is designed for protection:
- against lightning overvoltages of electrical installations, arising from the direct lightning strike to the external circuit, with indirect lightning strike (within a cloud, between clouds or to nearby objects), lightning to the ground;
 - from switching overvoltages of electrical installations that occur as a result of:
 - switching in high-power energy delivery systems;
 - switching of power supply systems near the electrical installations;
 - resonant voltage fluctuations within the electrical circuits;
 - damages in systems, for example, when short-circuit to earth, arc discharges.

ADVANTAGES

Option of connection by means of comb and U-shaped bus line

Auxiliary contact element that can be connected

Notches on the contact elements

Wear indicator

Replaceable varistor module

They can withstand at least five launches at rated discharge current and at least two – at