



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-YEARSr 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.

CONTENT

Modular circuit breakers and auxilliary devices.....6

RCBO (residual current circuit breaker) and RCCB (residual current device).....18

The device of protection against pulse overvoltage27

MCCB (Moulded case circuit breakers)29

Air circuit breakers.....40

Contactors, starters, relays and their accessories.....42

Automation and management (frequency receivers, controllers, low voltage automatic transfer switch, relay automation, reactive-power compensation).....58

Power switches, circuit breaker, disconnecting devices, fuse-links86

Pushbuttons, Switches, Pilot Lights99

Wall-mount and flush-mount distribution boards.....110

Wall-mount and flush-mount metering switchboards.....118

Wall-mount boards with mounting panel (automation).....124

Metal floor standing cabinets.....129

Cabinets completing elements130

Products for electrical installation164

Tools193

Metering transformers.....210

Electric meters212

Metering equipment.....213

Sockets, switches.....216

Extension cords, surge protectors, lamp sockets and accessories222

Power connectors228

Lights control, emergency lighting, household bell buttons.....233

Heat-insulated flooring239

Cable-support systems240

Accessories and tools for installation of self-supporting insulated wire256


Bus dukt.....261

Lightning protection.....262

System of metal trays.....267

Small contactors of EKF PROxima series

DESCRIPTION


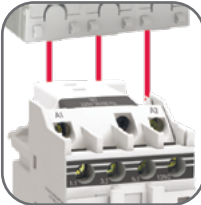




IP20
 WARRANTY 7 YEARS
 AL/Cu
 EAC

The small contactors EKF PROxima consist of a housing with static and movable contacts that are fixed in the movable part of the magnetic system. The static part of the magnetic system is fixed rigidly in the case of small contactors. The spring prevents the contacts from linkage. When a voltage is applied to the control coil, a magnetic field occurs in the contactor's magnetic system, which overcomes the resistance of the spring and closes the magnetic system and contacts. When the voltage is disconnected from the control coil, the spring links the contacts. Aluminum and copper wire switching is possible.


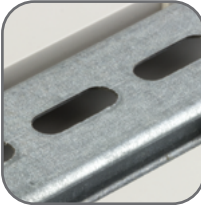




ALL-UNION STATE STANDARD R 50030.4.1-2012

APPLICATION

- The enabling / disabling process of the machines and equipment, as well as high-precision automatic lines, control and automation solutions. The illumination switching on / off : industrial, street, office, commercial facilities.
- The commutation of various mechanisms in the housing and utilities sector, commercial real estate and industrial premises (power stations, electric motor control stations, ventilation, automatic gates and doors).
- The production of mass-use equipment: heat guns, heaters, modular air conditioners, electrical equipment for gardens and cottages.

ADVANTAGES

The case and movable crossbar are made of heat-resistant and flame-retardant plastic.



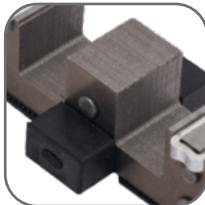

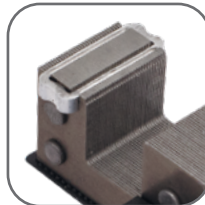

Installation option both on the DIN rail and on the mounting panel

Availability of auxilliary contacts for organization of automation

Marking area in the kit for identification of contactors on the switchboard

The wavy surface of the auxilliary contacts for connection in order to increase the current conductivity and the reliability of the connection

Plate-like clips for the reliable connection of conductors

High commutation resistance

High commutation wear resistance the silver-containing composite on the contacts provides low transient resistance and high fracture resistance in case of commutation

The magnetic system is equipped with rubber dampers, that reduces noise during the operation

The core is made of high-quality electrical steel, which allows the coil to reliably keep the contacts in the enabled position at the normal voltage of the control coil

Core of the magnetic system with reduced windage losses

Self-positioning movable contacts. They can swing, are spring-loaded, and have a spherical surface. The bridge contact creates conditions for rapid arc control

EKF PROxima series contactors

DESCRIPTION





IP00
 WARRANTY 7 YEARS
 EAC
 AL/Cu
 115A-630A

The contactors EKF PROxima consist of a housing with static and movable contacts that are fixed in the movable part of the magnetic system. The static part of the magnetic system is fixed rigidly in the case of contactors. The spring prevents the linkage of contacts. When a voltage is applied to the control coil, a magnetic field occurs in the contactor's magnetic system, which overcomes the resistance of the spring and closes the magnetic system and contacts. When the voltage is disconnected from the control coil, the spring links the contacts. The reverse circuit of the contactors EKF PROxima consists of two contactors EKF PROxima mounted on two rails, with a mechanical block between the contactors that prevents the two contactors from being switched on simultaneously. The contactor terminals are connected by corresponding bus lines. The contactors of EKF PROxima series became the medal-winner of the international exhibition "Electro-2008" in the category "Best electrical equipment".

ALL-UNION STATE STANDARD R 50030.4.1-2012

APPLICATION





Industry



- The enabling / disabling process of the machines and equipment, as well as high-precision automatic lines, control and automation solutions.
- Control of the lifting mechanisms.
- The illumination switching on / off: industrial, street, office, commercial facilities.
- The commutation of various mechanisms in the housing and utilities sector, commercial real estate and industrial premises (pump stations, electric motor control stations, ventilation, automatic gates and doors) Input Distribution Device.

PRODUCT RANGE

Image	Designation	Image	Designation
	Contactors 115 A EKF PROxima		Reverse contactors 115 A EKF PROxima
	Contactors 150 A EKF PROxima		Reverse contactors 150 A EKF PROxima
	Contactors tactors 185 A EKF PROxima		Reverse contactors 185 A EKF PROxima
	Contactors 185 A EKF PROxima		Reverse contactors 225 A EKF PROxima
	Contactors 265 A EKF PROxima		Reverse contactors 265 A EKF PROxima
	Contactors 225 A EKF PROxima		Reverse contactors 330 A EKF PROxima
	Contactors 400 A EKF PROxima		Reverse contactors 400 A EKF PROxima
	Contactors 500 A EKF PROxima		Reverse contactors 500 A EKF PROxima
	Contactors 630 A EKF PROxima		Reverse contactors 630 A EKF PROxima

Small contactors of movable EKF PROxima series contactors with DC control coil

DESCRIPTION

WARRANTY
7
YEARS

Al
Cu

IP20

EAC

The movable Proxima contactors consist of a housing, static internal contacts, and movable contacts that are fixed in the movable part of the magnetic system. The static part of the magnetic system is fixed rigidly in the case of the Small contactors with DC control coil. The spring prevents the contacts from linkage. When a voltage is applied to the control coil, a magnetic field occurs in the contactor's magnetic system, which overcomes the resistance of the spring and closes the magnetic system and contacts. When the voltage is disconnected from the control coil, the spring links the contacts. Aluminum and copper conductor switching is possible.


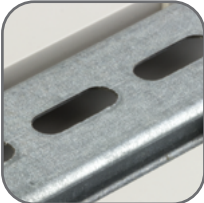



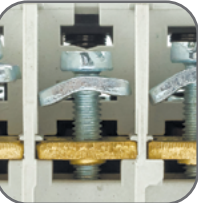
ALL-UNION STATE STANDARD R 50030.4.1-2012

APPLICATION



- The enabling / disabling process of the machines and equipment, as well as high-precision automatic lines, control and automation solutions.
- The illumination switching on / off : industrial, street, office, commercial facilities.
- The commutation of various mechanisms in the field of housing and utilities, commercial real estate and industrial premises (pumping stations, electric motor control stations, ventilation, automatic gates and doors).
- The production of mass-use equipment: heat guns, heaters, modular air conditioners, electrical equipment for gardens and cottages.

ADVANTAGES

The case and movable crossbar are made of heat-resistant plastic





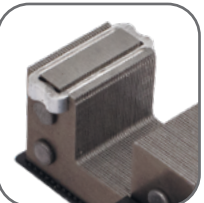

Installation option both on the DIN rail and on the mounting panel

Availability of auxilliary contacts for organization of automation

Marking area in the kit for identification of contactors on the switchboard

The wavy surface of the auxilliary contacts for connection in order to increase the current conductivity and the reliability of the connection

Plate-like clips for the reliable connection of conductors

The bridge contact creates conditions for rapid arc control

High commutation wear resistance the silver-containing composite on the contacts provides low transient resistance and high fracture resistance in case of commutation

The magnetic system is equipped with rubber dampers, which reduces the noise during the operation

The core is made of high-quality electrical steel, which allows the coil to reliably keep the contacts in the enabled position at the normal voltage of the control coil

Core of the magnetic system with reduced windage losses

Self-positioning movable contacts. They can swing, are spring-loaded, and have a spherical surface. Aluminum commutation is possible and copper wire.

Mini contactors MKE EKF PROxima

DESCRIPTION




IP20

WARRANTY
7
YEARS

EAC

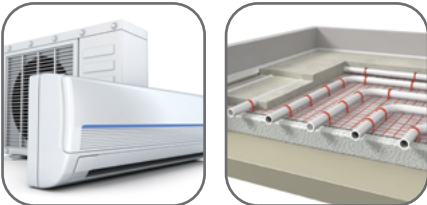
Al
Cu

6A-16A

The mini contactors MKE EKF PROxima consist of a housing, static contacts, and movable contacts that are fixed in the movable part of the magnetic system. The static part of the magnet system is fixed rigidly in the housing of mini-contactor. The spring prevents the contacts from linkage. When a voltage is applied to the control coil, a magnetic field occurs in the contactor's magnetic system, which overcomes the resistance of the spring and closes the magnetic system and contacts. When the voltage is disconnected from the control coil, the spring links the contacts. Aluminum and copper wire switching is possible.


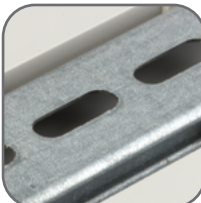




ALL-UNION STATE STANDARD R 50030.4.1-2012
IEC 60947-4-1:2009

APPLICATION



- The contactor is optimal when there is not enough space for installation:
- conditioners;
 - home appliances, underfloor heating;
 - lighting;
 - low-power engine management.

ADVANTAGES

High commutation wear resistance the silver-containing composite on the contacts provides low transient resistance and high fracture resistance in case of commutation

Universal fastening: mounting on DIN rail and mounting panel

Dished clips provide reliable mounting of conductors.



Auxilliary contacts allow to apply mini-contactors in the system of automations

Marking area as a kit for identification of contactors in the switchboard

Compact dimensions

Electromagnetic starters of Electromagnetic starters-12 EKF BASIC series

DESCRIPTION

IP00

WARRANTY 12 MONTHS

ERC

Al Cu

63A-1kA

The contactors of electromagnetic starter 12 EKF PROxima consist of a housing with static and movable contacts that are fixed in the movable part of the magnetic system. The fixed part of the magnetic system is fixed rigidly in the housing of electromagnetic starter 12 EKF BASIC. The spring prevents the contacts from linkage. When a voltage is supplied to the control coil, a magnetic field occurs in the contactor's magnetic system, which overcomes the resistance of the spring and closes the magnetic system and contacts. When the voltage is disconnected from the control coil, the spring links the contacts.

ALL-UNION STATE STANDARD IEC 61095-2015,
 ALL-UNION STATE STANDARD R 50030.4.1-2012,
 IEC 60947-4-1:2009
 TU 3426-005-70039908-2007





APPLICATION



The enabling / disabling process of the machines and equipment, as well as high-precision automatic lines, control and automation solutions.

- Control of the lifting mechanisms.
- The illumination switching on / off : industrial, street, office, commercial facilities.
- The commutation of various mechanisms in the field of housing and utilities, commercial real estate and industrial premises (pumping stations, electric motor control stations, ventilation, automatic gates and doors), Input Distribution Device.



ADVANTAGES

6 built-in auxiliary contacts
 Convenient connection of conductors
 An effective arc control system
 Switching with aluminum and copper wire is possible

Small contactors of the EKF BASIC series small contactors

DESCRIPTION

WARRANTY 12 MONTHS

Al Cu

IP20

ERC

The contactors of EKF PROxima BASIC PML consist of a housing with static and movable contacts that are fixed in the movable part of the magnetic system. The fixed part of the magnetic system is fixed rigidly in the housing of PML. The spring prevents the contacts from linkage. When a voltage is applied to the control coil, a magnetic field occurs in the starter's magnetic system, which overcomes the resistance of the spring and closes the magnetic system and contacts. When the voltage is disconnected from the control coil, the spring links the contacts. The difference between the contactors of the PROxima and BASIC series refers to different commutation wear resistance. If a contactor is required for harsh operating conditions with frequent launches, Small contactors EKF PROxima should be used. If the contactor operates under milder conditions, it is possible to use the EKF BASIC PML. Aluminum and copper wire switching is possible.

ALL-UNION STATE STANDARD R
 50030.4.1-2012 IEC 60947-4-1:2009


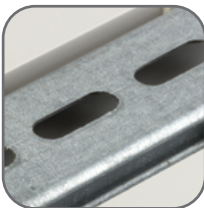




APPLICATION





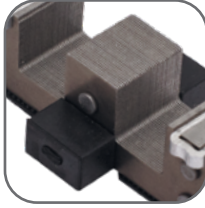

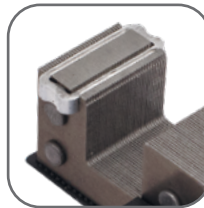

Industry

- Lighting switching on / off.
- The production of mass-use equipment: heat guns, heaters, modular air conditioners, electrical equipment for gardens and cottages.

ADVANTAGES

The case and movable crossbar are made of heat-resistant and flame-retardant plastic.
 Installation option both on the DIN rail and on the mounting panel
 Availability of auxiliary contacts for organization of automation
 Marking area in the kit for identification on the switchboard
 The wavy surface of the contacts for connection in order to increase the current conductivity and the reliability of the connection
 Plate-like clips for the reliable connection of conductors

The bridge contact creates conditions for rapid arc control
 The high commutation wear resistance silver-containing composite provides low transient resistance and high fracture resistance in case of commutation
 The magnetic system is equipped with rubber dampers, that reduces noise during the operation
 The core is made of high-quality electrical steel, which allows the coil to reliably keep the contacts in the enabled position at the normal voltage of the control coil
 Core of the magnetic system with reduced windage losses
 Self-positioning movable contacts. They can swing, are spring-loaded, and have a spherical surface.