TECHNICAL MANUAL

Modular push button
KM-47 EKF PROXIMA

1 DESCRIPTION

Modular push button KM-47 EKF PROXIMA is used for remote control in all types of electrical installations using 230 V, 50 Hz AC circuits (general use, industrial, etc.). Modular push buttons can be used in distribution enclosures and are easy to install, service and maintain. Modular push button KM-47 EKF PROXIMA complies with IEC 60947-5-1 requirements.

2 TECHNICAL DATA

Table1

Characteristics	**Value**
Rated voltage Ue, V	230
Frequency, Hz	50
Contacts type and number	2NO + 2NC
Rated current Ie, A	6
Thermal current rating Ith, A	16
Rated insulation voltage Ui, V	500
Utilization category	AC-14*
Button color	Red, grey
Degree of protection	IP20
Mechanical endurance, O-C cycles	250000
Electrical endurance, O-C cycles	100000
Operating temperature, °C	- 25 to + 50
Weight, kg	0,065
Max. conductor cross-section, mm^2	1,5
Max. tightening torque, N•m	0,8

* - AC-14 - control of small electromagnetic loads (up to 72 W)

3 OVERALL DIMENSIONS

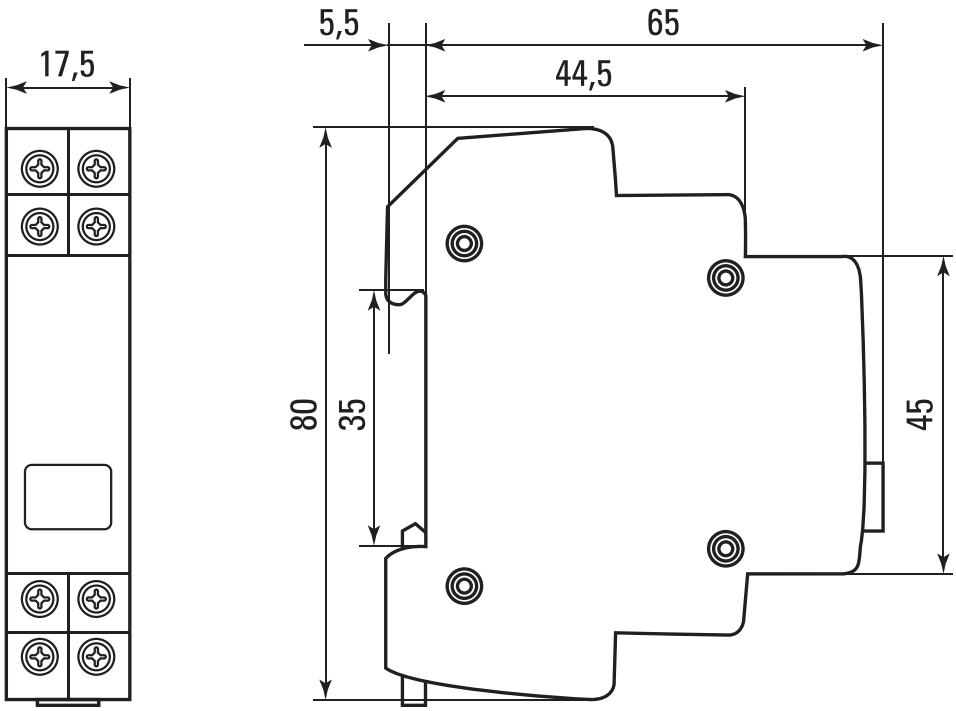

Fig. 1

4 INSTALLATION AND CONNECTION

Both copper and aluminum wire connections are supported. Do not connect copper and aluminum wires concurrently to the same terminal.

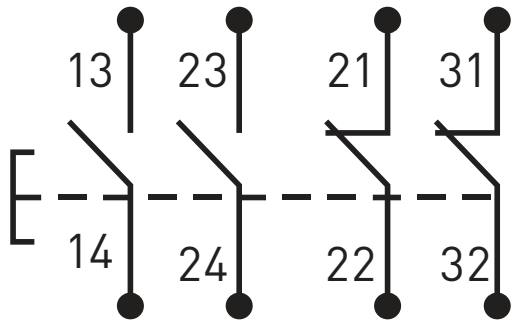

Fig. 2 - Wiring diagram

The modular push button shall be installed and connected only by qualified electrical personnel.
The modular push button shall be mounted onto the 35 mm DIN rail.

5 OPERATION CONDITIONS

Operating temperature: - 25 °C to + 50 °C. Altitude above sea level: max. 2000 m.
Position in space: vertical or horizontal on a vertical plane.

6 DELIVERY SCOPE

Modular push buttons are supplied in a group package (12pcs.).
For all available documentation, scan the QR-code on the insert or on the inside of the package.

7 SAFETY REQUIREMENTS

Do not use or operate modular push buttons with visible mechanical damage. Modular push button conforms to IEC 61140 Class 0 for protection against electrical shock and must be installed in distribution enclosures with Class 1 protection or higher.

8 MAINTENANCE

For modular push button maintenance, please follow national safety rules for operation of electrical Installations. Under normal operating conditions, visually inspect the device and tighten screw terminals every 6 months. Do not operate modular push buttons with visibly damaged housing.

9 STORAGE AND TRANSPORTATION

Modular push buttons can be transported by any means of enclosed transport that protects the packaged goods from mechanical impact and weather exposure. Modular push buttons shall be stored indoors, in their original packaging at the ambient temperatures from -40°C to+55°C and relative humidity of max. 80% at +25°C

10 DISPOSAL

Life-expired and failed modular push buttons must be disposed of in compliance with the effective national and local laws and regulations. To dispose of the device, please, send it to an authorized recycling company in compliance with the effective national and local laws and regulations.

11 MANUFACTURER'S WARRANTY

Warranty period: 7 years from the date of sale specified in the sales receipt.
Shelf life: 7 years from the date of manufacture specified on the product package or housing.
Service life: 20 years.
Manufacturer: for information, refer to the product package.
Importer and EKF trademark service representative:
EKF ELECTRICAL SOLUTION – FZCO, Dubai Silicon Oasis, DDP, Building A2, Dubai, United Arab Emirates.
Importer and EKF trademark service representative on the territory of the Russian Federation:
ООО «Electroresheniya», Otradnaya st., 2b bld. 9, 5th floor, 127273, Moscow, Russia. Tel.: +7 (495) 788-88-15.
Importer and EKF trademark service representative on the territory of the Republic of Kazakhstan:
ТОО «Energoresheniya Kazakhstan», Kazakhstan, Almaty, Bostandyk district, Turgut Ozal st., 247, apt 4.

12 CERTIFICATE OF ACCEPTANCE

Modular push button KM-47 EKF PROXIMA has been approved for operation.

Date of manufacture:
For information, refer to the product package.

Technical control stamp

ekfgroup.com

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