

TECHNICAL MANUAL

Alarm contact
AK-47 EKF PROXIMA

1 DESCRIPTION

Alarm contact AK-47 EKF PROXIMA is designed for use in auxiliary AC and DC signaling and control circuits.

Alarm contact AK-47 indicates tripping of the device it is connected to (VA 47-63 (4,5kA), VA 47-63M, VA 47-100, VA 47-100M, VA 47-63DC) in response to a fault condition (short circuit, overload). Alarm contacts comply with IEC 60947-5-1 requirements.

2 TECHNICAL DATA

Table 1 - the main technical data

Parameter	Value
Rated operating current Ie, A (AC)	3A at Ue 180-260 V
Rated operating current Ie, A (DC)	1A at Ue 24-110 V
Degree of protection	IP20
Operating temperature, °C	- 25 to + 50
Weight, kg	0,05
Maximum cross-section of connected wires, mm^2	2,5
Tightening torque, N•m	0,8

3 OVERALL DIMENSIONS

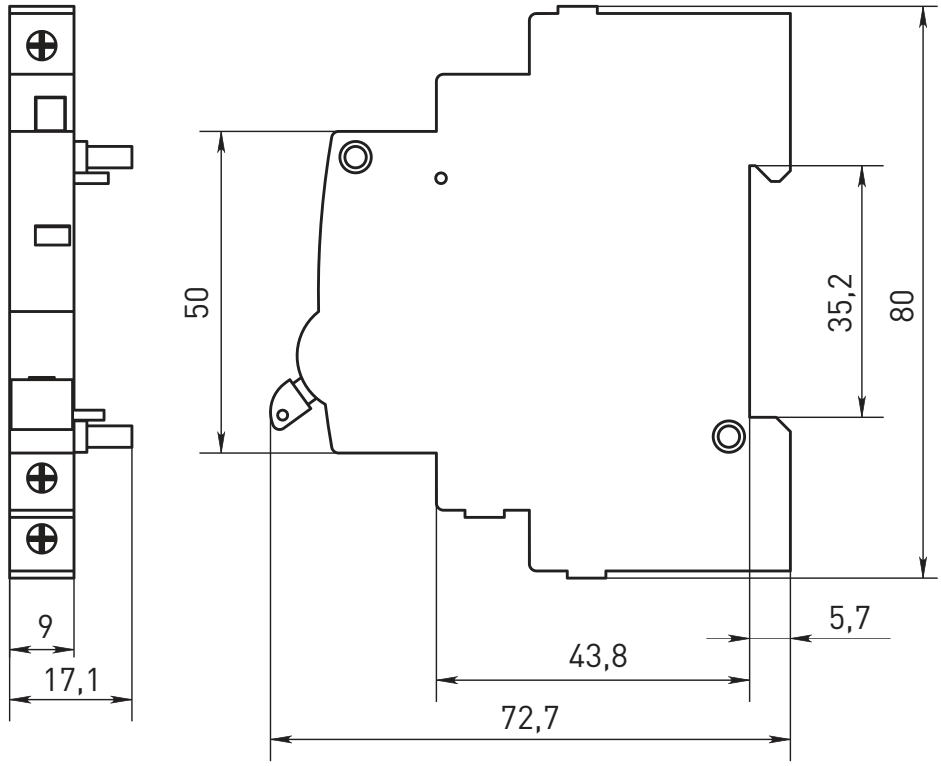


Fig. 1

4 INSTALLATION AND CONNECTION

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

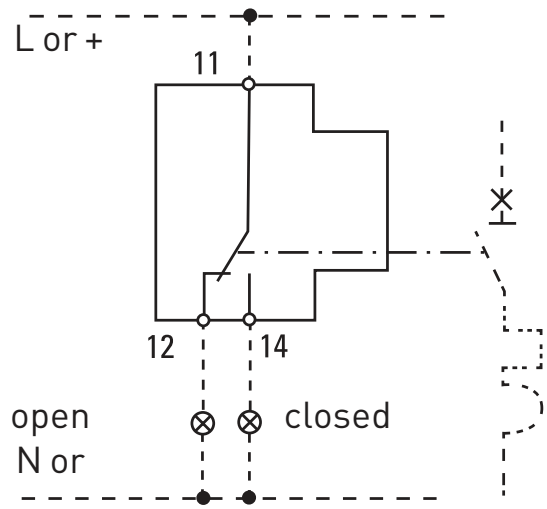


Fig. 2 - Wiring diagram

Alarm contacts must be installed and connected only by qualified electrical personnel. Alarm contact must be mounted onto a 35 mm DIN rail to the left side of a compatible device: VA 47-63 (4,5kA), VA 47-63M, VA 47-100, VA 47-100M, VA 47-63DC. The operating handle of the module must be engaged with the reclosing mechanism of the circuit breaker.

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

Alarm contacts AK-47 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 alarm contacts with visible mechanical damage. Alarm contacts conform 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 alarm contact maintenance, please follow national safety rules for operation of electrical Installations. Under normal operating conditions, visually inspect the alarm contacts and tighten screw terminals every 6 months. Do not operate alarm contacts with visibly damaged housing.

9 STORAGE AND TRANSPORTATION

Alarm contacts can be transported by any means of enclosed transport that protects the packed goods from mechanical impact and weather exposure. Alarm contacts must 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 alarm contacts must be disposed of in compliance with the effective national and local laws and regulations.
To dispose of the product, send it to an authorized company for recycling 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

Alarm contact AK-47 EKF PROXIMA has been approved for operation.

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

Technical control stamp



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