



# TECHNICAL MANUAL

Alarm contact

AV-SD

## 1 DESCRIPTION

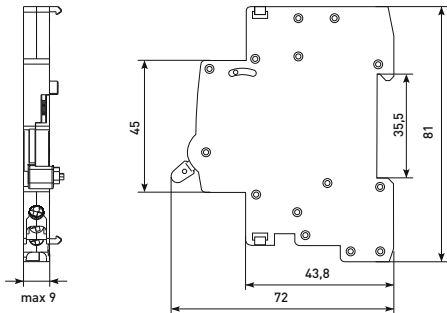
The alarm contact AV-SD EKF is used in AC and DC control and alarm auxiliary circuits to indicate trip by fault (short circuit, overload, leakage current) of the device (AV-6, AV-10, DV, DVA-6, DVA-10, VA 47-63N) it is connected to.

The alarm contacts comply with IEC 60947-5-1.

## 2 TECHNICAL DATA

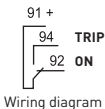
|   |  |
|---|--|
| Rated operating current $I_e$ , A (AC)                    | 3A at $U_e$ 400V<br>6A at $U_e$ 230V                   |
| Rated operating current $I_e$ , A (DC)                    | 1A at $U_e$ 125V<br>2A at $U_e$ 48V<br>6A at $U_e$ 24V |
| Dielectric resistance                                     | 2 kV / 1 min   |
| Degree of protection                                      | IP20   |
| Operating temperature, °C                                 | from - 25 to + 50                                      |
| Weight, kg  | 0,04   |
| Cross-section of connected wires,<br>max. mm <sup>2</sup> | 1,5  |
| Tightening torque, N·m                                    | 0,8  |

### 3 OVERALL DIMENSIONS



### 4 INSTALLATION AND CONNECTION

Connection options with copper and aluminum wires are supported. Do not connect copper and aluminum wires to one terminal concurrently.



Alarm contacts shall be installed and connected by qualified electrical personnel. Alarm contacts shall be mounted to devices AV-6, AV-10, DV, DVA-6, DVA-10, VA 47-63N on the left side. The contact handle shall be engaged with the reclosing mechanism of the device the contact is connected to.

## **5 OPERATION CONDITIONS**

Operating temperature: -25°C to +50°C. Relative humidity: max. 98% at +25°C.

Attitude above sea level: max. 2000 m.

Position in space is vertical or horizontal on a vertical plane.

## **6 DELIVERY SCOPE**

The devices are supplied in one group package (15pcs.).

For all available documentation, scan the QR-code on the insert or on the inside of the package.

## **7 SAFETY REQUIREMENTS**

Do not operate alarm contacts with visual mechanical damage.

By protection method against electric shock, alarm contacts belong to protection class «0» according to IEC 61140 and shall be installed in distribution enclosures with protection class «1» and higher.

## **8 MAINTENANCE**

For maintenance of alarm contacts, 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, if visual damage to the housing of the alarm contacts is found.

## **9 TRANSPORTATION AND STORAGE**

Alarm contacts can be transported by any means of enclosed transport that ensures protection of packed products against mechanical and atmospheric impacts. Alarm contacts shall be stored indoors in the original package at the ambient temperature from -40°C to +55°C and relative humidity of max. 80% at +25°C.

## **10 DISPOSAL**

Life-expired and failed products shall be disposed of in compliance with the national and local laws and regulations in force.

To dispose of the product, send it to an authorized company for recycling in compliance with the national and local laws and regulations in force.

## **11 MANUFACTURER'S WARRANTY**

Warranty period: 10 years from the date of sale specified in the sales receipt.

Shelf life: 10 years from the date of manufacture specified on the product package or housing.

Service life: 25 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:**

OOO «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:**

TOO «Energoresheniya Kazakhstan», Kazakhstan, Almaty, Bostandyk district, Turgut Ozal st., 247, apt 4.

## 12 CERTIFICATE OF ACCEPTANCE

The alarm contact AV-SD EKF has been approved for operation.

Date of manufacture:

For information, refer to the product package.

Quality control stamp



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