



TECHNICAL MANUAL

Shunt release

AV-SNT, AV-SNT-2, AV-SNT-DC

1 DESCRIPTION

The shunt releases AV-SNT, AV-SNT-2, AV-SHT-DC EKF are designed to trip remotely the device to which they are connected.

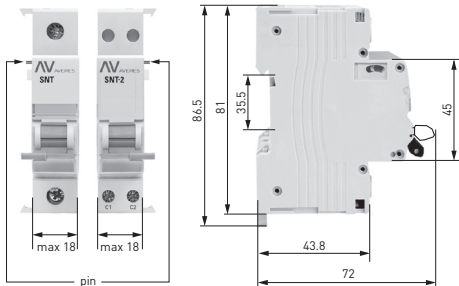
They correspond to IEC 60947-5-1.

2 TECHNICAL DATA

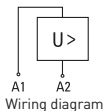
Current type	AC
Rated control voltage U_s , V	400, 230, 125
Frequency f_n , Hz	40-60
Rated insulation voltage U_i , V	500
Control voltage range U_s	70% - 100%
Pulse discharge current, A / at voltage, V	3 / 400 6 / 230 9 / 125
Degree of protection	IP20
Operating temperature, °C	from -20 to + 50
Weight, kg	0,1
Cross-section of connected wires, max. mm ²	25 for AV-SNT (-DC) 6 for AV-SNT-2
Tightening torque, N•m	3 for AV-SNT (-DC) 0,8 for AV-SNT-2

3 OVERALL DIMENSIONS

AV-SNT (-DC) AV-SNT-2



4 INSTALLATION AND CONNECTION



The release is a solenoid that operates the free-release mechanism of the device it is connected to via a handle.

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

Shunt releases shall be installed and connected by qualified electrical personnel. Shunt release shall be mounted with metal pin included in the package. The handle of shunt release shall be engaged with the handle of the device to which it is connected. To prevent solenoid coil failure by overheating, the solenoid shall be controlled in pulse mode.

Shunt release AV-SNT (-DC) shall be installed on the right side of the devices AV-6, AV-10, AV-6 DC, BA 47-63N, VN-63N.

Shunt release AV-SNT-2 shall be installed on the left side of the devices DVA-6, DVA-10, DV, AVN up to 63A.

5 OPERATION CONDITIONS

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

Altitude 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 (10pcs.).

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

7 SAFETY REQUIREMENTS

Do not operate shunt releases with visual mechanical damage. By protection method against electric shock, shunt releases 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, follow national safety rules for operation of electrical Installations. Under normal operating conditions, visually inspect the shunt release and tighten the fastening screws every 6 months. Do not operate the shunt release, if visual damage to the release housing is found.

9 TRANSPORTATION AND STORAGE

The products can be transported by any means of enclosed transport that ensures protection of packed products from mechanical and atmospheric impacts. Shunt releases 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 shunt release AV-SNT / AV-SNT-2 / AV-SHT-DC EKF has been approved for operation.

Date of manufacture:

For information, refer to the product package.

Quality control stamp



www.ekfgroup.com