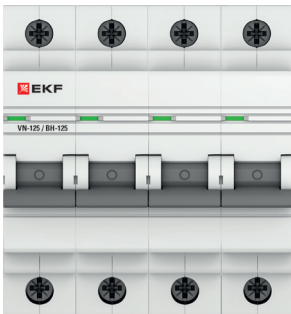
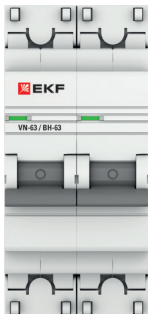




EKF



TECHNICAL MANUAL

Modular switch disconnector
VN-63, VN-125 EKF PROXIMA

1 DESCRIPTION

The modular switch disconnectors VN-63 and VN-125 EKF PROXIMA are mechanical switching devices used for close/open operations in electrical circuits.

The modular switch disconnectors are designed to switch active and inductive loads including motors protected with other switching devices. The modular switch disconnectors comply with IEC 60947-3:2008.

2 TECHNICAL DATA

VN - 63 2P 25A EKF PROXIMA

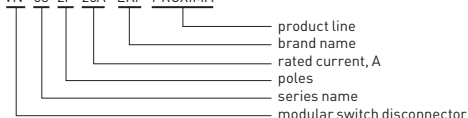


Table 1

Parameter	Value			
Rated voltage U_n , V	230/400			
Frequency f_n , Hz	50			
Rated current I_n , A	16- 63 (for VN-63) and 100, 125 (for VN-125)			
Mechanical endurance, O-C cycles	20 000			
Electrical endurance, O-C cycles	10 000			
Maximum short-time current for VN-63 I_{cw} , kA (1s)	1			
Maximum short-time current for VN-125 I_{cw} , kA (1s)	2			
Rated impulse withstand voltage U_{imp} , kV	6			
Rated maximum making capacity (short-circuit) for VN-63 I_{cm} , kA	6			
Rated maximum making capacity (short-circuit) for VN-125 I_{cm} , kA	10			
Degree of protection	IP20			
Poles	1	2	3	4
Maximum weight, kg depending on a number of poles	0,082	0,163	0,245	0,327

Table 1 (continued)

Parameter	Value
Maximum cross-section of connected wire, mm ²	35
Operating temperature, °C	from -25 to +50

3 OVERALL DIMENSIONS

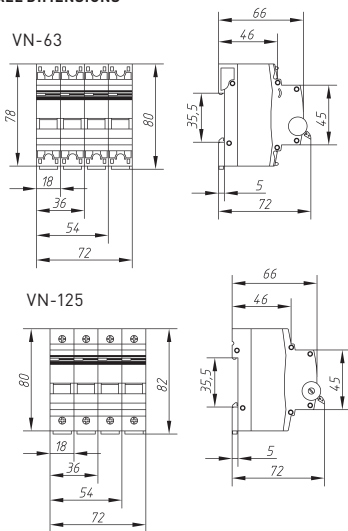


Fig. 1

4 INSTALLATION AND CONNECTION

The modular switch disconnectors shall be installed and connected by qualified electrical personnel.

The modular switch disconnectors shall be mounted onto 35 mm DIN rail.

The switch disconnectors power supply can be connected both from terminals 1, 3, 5, 7 and from terminals 2, 4, 6, 8.

Copper and aluminum wire connections are supported. Do not connect copper and aluminum wires to one terminal concurrently. Tightening torque: max. 2,5 N·m for copper wires; max. 2,2 N·m for aluminum-alloy wires, series 8000.

Altitude above sea level is max. 2000 m.

Position in space is vertical or horizontal on a vertical plane. If vertically installed, the upper position of the operating handle shall correspond to the «ON» status of the switch disconnector, while the handle lower position shall correspond to the «OFF» status of the switch disconnector in compliance with IEC 60447. If horizontally installed, the handle right position shall correspond to the «ON» status of the switch disconnector, while the handle left position shall correspond to the «OFF» status of the switch disconnector.

5 OPERATION CONDITIONS

Altitude above sea level: max. 2000 m.

Operating temperature: -25°C to +50°C.

6 DELIVERY SCOPE

The modular switch disconnectors VN-63 and VN-125 are delivered in one group package. For all available documentation, scan the QR-code on the insert or on the inside of the package.

7 SAFETY REQUIREMENTS

Do not operate switch disconnectors with visual mechanical damage.

By protection method against electric shock, switch disconnectors 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 switch disconnectors, check the close/open operations and tighten the fastening screws every 6 months.

9 TRANSPORTATION AND STORAGE

The modular switch disconnectors can be transported by any type of enclosed transport that ensures the protection of packed products against mechanical and atmospheric impacts.

The modular switch disconnectors shall be stored indoors in the original package at the ambient temperature from -40°C to +55°C and relative humidity of maximum 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 of operation: 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: 10 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:

000 «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:

T00 «Energoresheniya Kazakhstan», Kazakhstan, Almaty, Bostandyk district, Turgut Ozal st., 247, apt 4.

12 CERTIFICATE OF ACCEPTANCE

The modular switch disconnectors VN-63 and VN-125 EKF PROXIMA have been approved for operation.

Date of manufacture:

For information, refer to the product package.

Technical control stamp



EAC



ekfgroup.com

v2