

TECHNICAL MANUAL

Undervoltage
release VA-99M EKF

1 TECHNICAL DATA

The undervoltage release trips the molded case circuit breaker (MCCB), if the input voltage drops to 70% of the rated value, and prevents MCCB start, if the circuit voltage is less than 85% of the rated value. The main function of the undervoltage release is to disconnect electrical equipment in case of invalid undervoltage. Moreover, the undervoltage release can be used as a shunt release, if a normally closed switch is connected in series to the control circuit – If the switch contact is shortly opened, the release trips the MCCB.

Types, versions and main technical data are given in table 1 and table 2.

Table 1

Name	Power consumption, W	Net weight, kg	Item code
Undervoltage release VA-99M 63 EKF	3,5	0,05	mccb99m-a-044 mccb99m-63-uvt-230ac
Undervoltage release VA-99M 100 EKF	2,6	0,07	mccb99m-a-045 mccb99m-100-uvt-230ac
Undervoltage release VA-99M 250 EKF	3,8	0,075	mccb99m-a-046 mccb99m-250-uvt-230ac
Undervoltage release VA-99M 400 EKF	3,7	0,075	mccb99m-a-047 mccb99m-400-uvt-230ac
Undervoltage release VA-99M 630 EKF	2,3	0,085	mccb99m-a-048 mccb99m-630-uvt-230ac
Undervoltage release VA-99M 800 EKF	2,5	0,12	mccb99m-a-049 mccb99m-800-uvt-230ac

Table 2

Parameters	Values
Operational voltage, U_e	230 V, 50-60 Hz
Operate voltage	85-110% U_e
Holding voltage	70-110% U_e
Trip voltage	35-70% U_e
Installation	right-sided

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

The undervoltage release shall be installed with terminals. Unscrew the fastening screws from the MCCB front panel, install the release into the socket of the MCCB housing. Remove blind plates, route wires carefully and fasten terminal blocks in the housing side slots. Assemble the circuit breaker in reverse order.

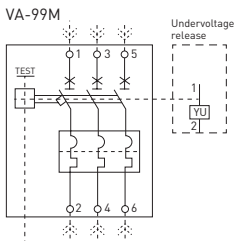


Fig. 1

2 DELIVERY SCOPE

The undervoltage release is supplied in an individual package. For all available information, scan the QR-code on the insert or on the inside of the package.

3 SAFETY REQUIREMENTS

The undervoltage release EKF complies with IEC 61140.

4 TRANSPORTATION AND STORAGE

The undervoltage release can be transported by any means of enclosed transport that ensures the protection of packed products against moisture and mechanical impacts. The products shall be stored in the original package.

5 DISPOSAL

Life expired and failed undervoltage releases 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.

6 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: 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:

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.

7 CERTIFICATE OF ACCEPTANCE

The undervoltage release VA-99M EKF has been approved for operation.

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

Technical control stamp



ERC



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