

TECHNICAL MANUAL

Shunt release
VA-99M EKF

1 TECHNICAL DATA

Table 1 - Types and main technical performances

Name	Size	Operating voltage, Ue	Item code*	
			Left-sided	Right-sided
Shunt release 230V AC VA-99M 63 EKF	VA-99M 63	230V, 50-60 Hz	mccb99m-a-013-l	mccb99m-a-013
Shunt release 400V AC VA-99M 63 EKF		400V, 50-60 Hz	mccb99m-a-019-l	mccb99m-a-019
Shunt release 110V DC VA-99M 63 EKF		110V, DC		mccb99m-a-025
Shunt release 220V DC VA-99M 63 EKF		220V, DC		mccb99m-a-031
Shunt release 230V AC VA-99M 100 EKF	VA-99M 100	230V, 50-60 Hz	mccb99m-a-014-l	mccb99m-a-014
Shunt release 400V AC VA-99M 100 EKF		400V, 50-60 Hz	mccb99m-a-020-l	mccb99m-a-020
Shunt release 110V DC VA-99M 100 EKF		110V, DC		mccb99m-a-026
Shunt release 220V DC VA-99M 100 EKF		220V, DC		mccb99m-a-032
Shunt release 230V AC VA-99M 250 EKF	VA-99M 250	230V, 50-60 Hz	mccb99m-a-015-l	mccb99m-a-015
Shunt release 400V AC VA-99M 250 EKF		400V, 50-60 Hz	mccb99m-a-021-l	mccb99m-a-021
Shunt release 110V DC VA-99M 250 EKF		110V, DC		mccb99m-a-027
Shunt release 220V DC VA-99M 250 EKF		220V, DC		mccb99m-a-033

Table 1 continued

Name	Size	Operating voltage, Ue	Item code*	
			Left-sided	Right-sided
Shunt release 230V AC VA-99M 400 EKF	VA-99M 400	230V, 50-60 Hz		mccb99m-a-016 mccb99m-400-sht-230ac
Shunt release 400V AC VA-99M 400 EKF		400V, 50-60 Hz		mccb99m-a-022 mccb99m-400-sht-400ac
Shunt release 110V DC VA-99M 400 EKF		110V, DC		mccb99m-a-028 mccb99m-400-sht-110dc
Shunt release 220V DC VA-99M 400 EKF		220V, DC		mccb99m-a-034 mccb99m-400-sht-220dc
Shunt release 230V AC VA-99M 630 EKF	VA-99M 630	230V, 50-60 Hz		mccb99m-a-017 mccb99m-630-sht-230ac
Shunt release 400V AC VA-99M 630 EKF		400V, 50-60 Hz		mccb99m-a-023 mccb99m-630-sht-400ac
Shunt release 110V DC VA-99M 630 EKF		110V, DC		mccb99m-a-029 mccb99m-630-sht-110dc
Shunt release 220V DC VA-99M 630 EKF		220V, DC		mccb99m-a-035 mccb99m-630-sht-220dc
Shunt release 230V AC VA-99M 800 EKF	VA-99M 800	230V, 50-60 Hz	mccb99m-a-018-l	mccb99m-a-018 mccb99m-800-sht-230ac
Shunt release 400V AC VA-99M 800 EKF		400V, 50-60 Hz	mccb99m-a-024-l	mccb99m-a-024 mccb99m-800-sht-400ac
Shunt release 110V DC VA-99M 800 EKF		110V, DC		mccb99m-a-030 mccb99m-800-sht-110dc
Shunt release 220V DC VA-99M 800 EKF		220V, DC		mccb99m-a-036 mccb99m-800-sht-220dc

* - Range of operating voltages: (0,7 ÷ 1,1) Ue.

The shunt release VA-99M is designed to trip the molded case circuit breaker (MCCB) remotely. The shunt release is a solenoid that actuates the control mechanism to trip MCCB by external voltage. After remote trip by shunt release, the MCCB can be re-closed manually with an extended rotary handle or remotely with a motor mechanism.

Copper and aluminum wire connections are supported. Do not connect copper and aluminum wires to one terminal concurrently.

The shunt 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.

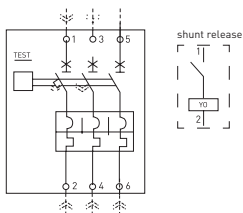


Fig.1 - Shunt release VA-99M Wiring diagram

2 DELIVERY SCOPE

The shunt releases are supplied in one group or individual package. For all available documentation, scan the QR-code on the insert or on the inside of the package.

3 SAFETY REQUIREMENTS

Do not operate devices with visual mechanical damage.

Only qualified electrical personnel is authorized to install and operate the device.

4 TRANSPORTATION AND STORAGE

The shunt releases can be transported by any means of enclosed transport that ensures protection of packed products from mechanical and atmospheric impacts. The products shall be stored in the original package.

5 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.

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:

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.

7 CERTIFICATE OF ACCEPTANCE

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

Date of manufacture:

For information, refer to the product package.

Quality control stamp



EAC



v3

[ekfggroup.com](http://ekfgroup.com)

