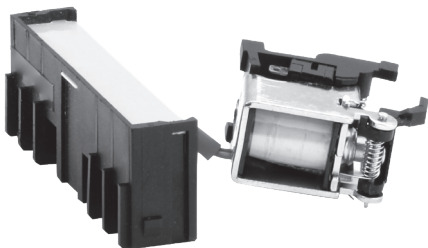




# EKF



## **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	
			mccb99m-a-019-l	mccb99m-a-019	
400V, 50-60 Hz		mccb99m-a-025	mccb99m-a-025		
		mccb99m-a-031	mccb99m-a-031		
110V, DC		220V, DC	mccb99m-a-014-l	mccb99m-a-014	
			mccb99m-a-020-l	mccb99m-a-020	
230V, 50-60 Hz		VA-99M 100	400V, 50-60 Hz	mccb99m-a-026	mccb99m-a-026
				mccb99m-a-032	mccb99m-a-032
110V, DC		220V, DC	mccb99m-a-015-l	mccb99m-a-015	
			mccb99m-a-021-l	mccb99m-a-021	
Shunt release 230V AC VA-99M 250 EKF	VA-99M 250	230V, 50-60 Hz	mccb99m-a-027	mccb99m-a-027	
			mccb99m-a-033	mccb99m-a-033	
400V, 50-60 Hz		110V, DC	220V, DC	mccb99m-a-027	mccb99m-a-027
				mccb99m-a-033	mccb99m-a-033
Shunt release 110V DC VA-99M 250 EKF		220V, DC	220V, DC	mccb99m-a-027	mccb99m-a-027
				mccb99m-a-033	mccb99m-a-033
Shunt release 220V DC VA-99M 250 EKF		220V, DC	220V, DC	mccb99m-a-027	mccb99m-a-027
				mccb99m-a-033	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	
400V, 50-60 Hz			mccb99m-a-022		
			mccb99m-400-sht-400ac		
110V, DC			mccb99m-a-028		
			mccb99m-400-sht-110dc		
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
400V, 50-60 Hz			mccb99m-a-023		
			mccb99m-630-sht-400ac		
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
400V, 50-60 Hz			mccb99m-a-024-l	mccb99m-a-024	
			mccb99m-a-800-sht-400ac		
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.

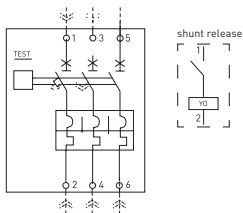


Fig.1 - Shunt release VA-99M Wiring diagram

## **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:**

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.

## 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



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

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