



Printed in China  
Item Code  
1134106320110



## 相序保护继电器默认参数

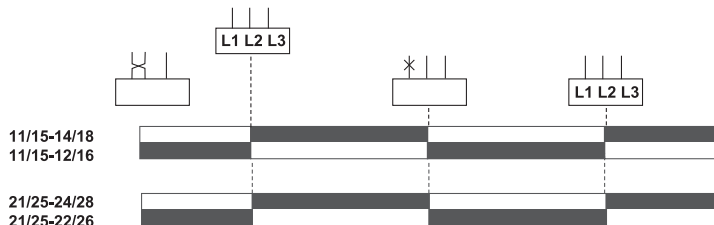
型号	电压范围	断相保护	相间不平衡度保护	相不平衡延时保护
RM3-TG20	AC200V~500V	✓	✓	1s≤X≤20s(可调)
RM4-TG20	AC160V~690V	✓	✓	1s≤X≤20s(可调)
RD6-G	AC200V~500V	✓	✓	1s

型号	欠压检测	欠压延时保护	过压检测	继电器输出方式
RM3-TG20	200V≤X≤400V(可调)	1s≤X≤20s(可调)	500V	2( NO+NC)
RM4-TG20	160V≤X≤690V(可调)	1s≤X≤20s(可调)	XV	2( NO+NC)
RD6-G	200V	1s	500V	2( NO+NC)

注: RD6-G有3C认证

## 相电压输入与继电器触点动作关系图

RD6-G/RM3-TG20/RM4-TG20

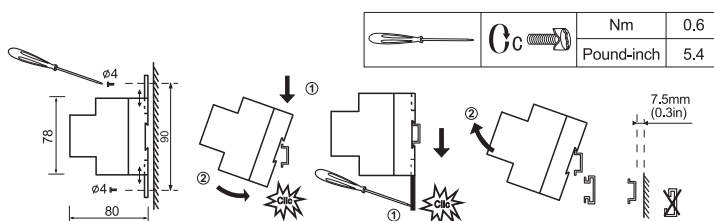


注: 黑色部分为继电器闭合



电机继续运转时尽管这一阶段有一定的损失电压, 但在这阶段能产生一个电压, 如果这一电压超出感应的极限值, 继电器将不能查出这一阶段的损失。在这种情况下, 我们推荐您使用RD6-WX液晶相序继电器。

## 安装方法及尺寸图



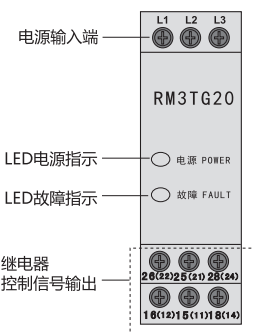
# RD6-G/RM相序保护继电器

## RD6-G/RM3-TG20/RM4-TG20

### 安装使用说明书 V 1.0

浙江卡巴尔电气有限公司

## 主机界面及接口简介



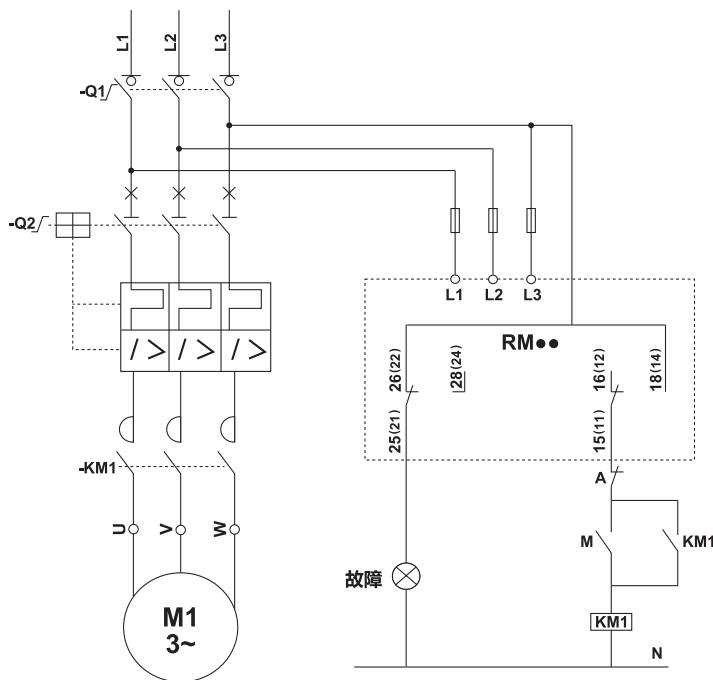
## LED指示灯状态指示

指示灯	LED状态	现象解析	图示
电源指示灯	灭	没接三相电或接了一相	
	亮	接三相电或接了两相	
故障指示灯	灭	三相电运行正常。触点“18”和“15”, “28”和“25”闭合。	
	亮	“亮”: 缺相, 欠压, 相不平衡	
	闪烁	“闪烁”: 错相 缺相, 错相。触点“16”和“15”, “26”和“25”闭合	

## 相序保护继电器电气性能

技术名称	技术指标	技术名称	技术指标
输出触点容量	10A/250VAC	电源电压	等级可选
工作环境	可用于高次谐波丰富的环境	额定频率	50/60HZ
	温度: -30℃~60℃	防护等级	IP40
	湿度≤70%, 无凝霜		

## 输入输出电路电气图



## 质量承诺

本公司产品的质保期为18个月, 确因产品缺陷的质量问题可退货。如若产品在质保期内发生故障, 本公司负责免费维护或调换。若因用户使用不当而影响产品性能或造成危害, 不在本公司的产品质量保证范围内, 本公司不负责该产品的免费维护。本公司一如既往地坚守对自己的产品质量保证。



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## Default Parameter Of Phase Protection Relay

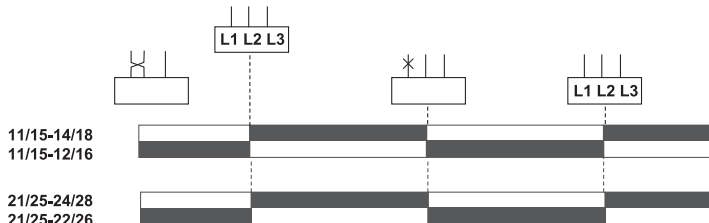
Model	Voltage Range	Phase Failure Protection	The Phases Voltage Unbalance Protection	Phase Unbalance Delay Protection
RM3-TG20	AC200V~500V	✓	✓	1s≤X≤20s
RM4-TG20	AC160V~690V	✓	✓	1s≤X≤20s
RD6-G	AC200V~500V	✓	✓	1s

Model	Undervoltage Detection	Undervoltage Delay Protection	Overvoltage Detection	Relay Output Methods
RM3-TG20	200V≤X≤400V	1s≤X≤20s	500V	2( NO+NC)
RM4-TG20	160V≤X≤690V	1s≤X≤20s	XV	2( NO+NC)
RD6-G	200V	1s	500V	2( NO+NC)

Note: RD6-G is CCC certificated

## Diagram Between Phase Voltage Input And Relay Contactors

### RD6-G/RM3-TG20/RM4-TG20

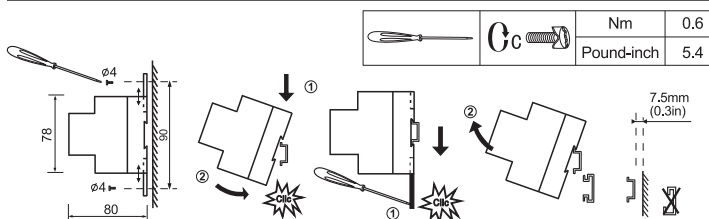


Note: Black shows the relays are closed



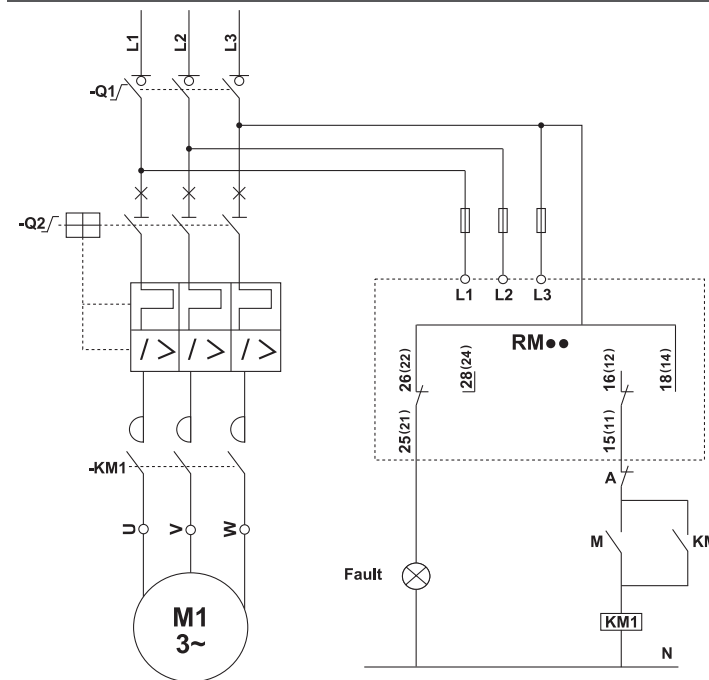
Although this period there is a certain loss of voltage when the motor continues to run, but at this stage, it can regenerate a voltage, if it exceeds this limit sensors, the relay will not detect the loss of this phase. In this case, we recommend RD6-WX liquid crystal phase sequence relay.

## Installation and Dimension



Wires cross section area	mm²	AWG	0.14...1.5	0.14...1.5	0.14...2.5	0.14...4	0.14...2.5
RD6 Series	mm²	AWG	0.14...1.5	0.14...1.5	0.14...2.5	0.14...4	0.14...2.5
RM Series	mm²	AWG	0.14...1.5	0.14...1.5	0.14...2.5	0.14...4	0.14...2.5

## Input and Output Electric Diagram



## Quality Commitment

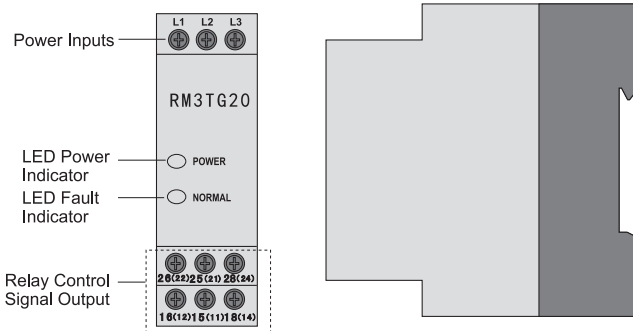
The warranty is 18 months, it is precisely because of the quality problem, it can be returned. We are responsible for the repairment or replacement free of charge during the warranty. If user by improper use cause harm and affect the properties of the products, it is not including repair in free. We are stand fast assurance of the product quality.

## RD6-G/RM

### RD6-G/RM3-TG20/RM4-TG20 USER MANUAL V 1.0

## CBR ELECTRIC CO.,LTD

## Interface Overview



## LED Status Indication

Indicator	LED Status	Phenomenon	Drawing
Power Indicator	OFF	Three-phase power is not connected or electrically connect only one phase	
	ON	Three-phase power is not connected or electrically connect only two phases	
Fault Indicator	OFF	Three-phase power to run properly. Contact "18" and "15"; Contact "28" and "25" Close.	
	ON	"On": Loss Phase, Under voltage.	
	Twinkling	"Twinkling": Phase Unbalance. Contact "16" and "15", "26" and "25" Close.	

## Technical Parameter

Technical Name	Technical Parameters	Technical Name	Technical Parameters
Output Contact Capacity	10A/250VAC	Electric Voltage	Voltage Class(optical)
Working Environment	Can be used for harmonic rich environment Wet: -30°C~60°C, Wet less than 70%, No condensation	Rated Frequency	50/60 HZ
		Protection Class	IP40