

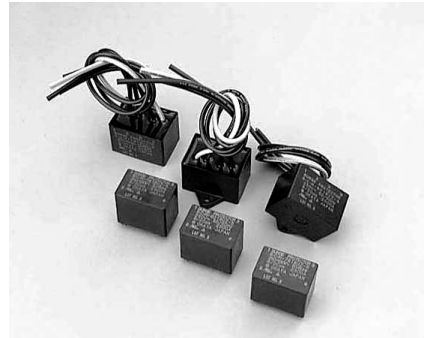


**Features**

- Line to Line and Line to Ground combined protection.
- UL, CSA and CE safety approvals.
- Surge protection for both Single and Three-Phase applications.
- Compact size.

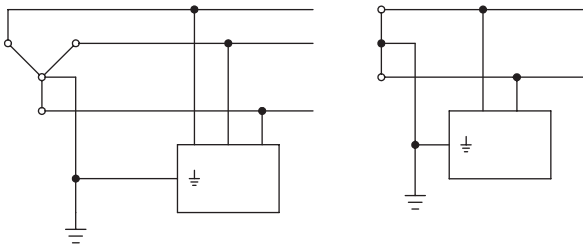


Safety Agency : Standard		File No., Report No.
UL	UL1449	E143446
CSA	C22.2 No.8	
TÜV	EN60099-1/A1:1999	J2150288

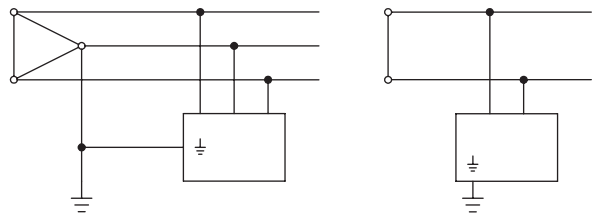


**Rated Voltage**

- Y connection



- Δ connection



Y connection—Single-Phase 430V<sub>rm</sub> (L to L) : R · C · M-781BQZ-4  
 Three-Phase 430V<sub>rm</sub> (L to L) : R · C · M-781BUZ-4  
 Three-Phase 500V<sub>rm</sub> : R · C · M-801BUZ-4

Δ connection—Single-Phase 250V<sub>rm</sub> : R · C · M-781BQZ-4  
 Three-Phase 250V<sub>rm</sub> : R · C · M-781BUZ-4  
 Three-Phase 290V<sub>rm</sub> : R · C · M-801BUZ-4

	Single-Phase series		Three-Phase series	
	Wire type	Lead type	Wire type	Lead type
601	RCM-601BQZ-4	RCM-601BQZ-5	RCM-601BUZ-4	RCM-601BUZ-5
781	RCM-781BQZ-4	RCM-781BQZ-5	RCM-781BUZ-4	RCM-781BUZ-5
801			RCM-801BUZ-4	RCM-801BUZ-5

**Electrical Specifications**

Model Number	Rated Voltage (V)	Power Frequency Sparkover Voltage (U <sub>a</sub> )	Nominal Discharge Current (ins) 8/20μs	Impulse Sparkover Voltage(μs) 1.2/50μs	Max. Impulse Sparkover Voltage (usa) 10kV/μs	Max. Residual Voltage (ur) 8/20μs (2500A)	Surge Current Life 8/20μs (500A)	Max. Peak Surge Current 8/20μs
RCM-601BQZ-4/5 (Single-Phase)	250	AC560V ±20%	2500A	2kV	3kV	2kV	300 times	5000A
RCM-601BUZ-4/5 (Three-Phase)	250							
RCM-781BQZ-4/5 (Single-Phase)	430	AC700V ±20%	2500A	2kV	3kV	2kV		
RCM-781BUZ-4/5 (Three-Phase)	250/430							
RCM-801BUZ-4/5 (Three-Phase)	290/500	AC800V ±20%	2500A	2.32kV	3.48kV	2.32kV		

\*RCM-XXX-4: Wire type  
 RCM-XXX-5: Lead type



# R · C · M-BQZ-4,5, -BUZ-4,5 SERIES

# SURGE PROTECTOR



	BQZ Series (Single-Phase)	BUZ Series (Three-Phase)
Dimensions	<p><b>Wire terminal type (-4)</b></p> <p>Resin UL94V-0</p> <p>Lead UL-1015AWG16</p> <p>Case UL94V-0</p> <p>Dimensions: <math>\phi 4.2 \pm 0.5</math>, <math>5.5 \pm 1.0</math>, <math>28.5 \pm 1.0</math>, <math>11 \pm 1</math>, <math>200^{+30}_{-0}</math>, <math>28 \pm 1</math>, <math>41 \pm 1</math>, <math>4.5 \pm 0.5</math></p>	<p><b>Wire terminal type (-4)</b></p> <p>Resin UL94V-0</p> <p>Lead UL-1015AWG16</p> <p>Case UL94V-0</p> <p>Dimensions: <math>\phi 4.2 \pm 0.5</math>, <math>5.5 \pm 1.0</math>, <math>28.5 \pm 1.0</math>, <math>11 \pm 1</math>, <math>200^{+30}_{-0}</math>, <math>28 \pm 1</math>, <math>41 \pm 1</math>, <math>4.5 \pm 0.5</math></p>
Solder lead type (-5)	<p>Dimensions: <math>\phi 1</math>, <math>31.3 \pm 1</math>, <math>4 \pm 1</math>, <math>7</math>, <math>A</math>, <math>15.5</math>, <math>2.75</math>, <math>3.95</math>, <math>22.5</math>, <math>35.5</math>, <math>*1</math>, <math>*2</math></p> <p>Tolerances: <math>\pm 1.0</math> A: <math>*1, *2</math> tolerance <math>\pm 0.5</math></p>	<p>Dimensions: <math>\phi 1</math>, <math>31.3 \pm 1</math>, <math>4 \pm 1</math>, <math>7</math>, <math>A</math>, <math>15</math>, <math>2.75</math>, <math>3.95</math>, <math>22.5</math>, <math>27.5</math>, <math>35.5</math>, <math>*1</math>, <math>*2</math></p> <p>Tolerances: <math>\pm 1.0</math> A: <math>*1, *2</math> tolerance <math>\pm 0.5</math></p>
Circuit	<p>1 2</p>	<p>1 2 3</p>