

# LATCHING RELAY



**World Class Energy Management Solutions**

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## ***Switch • Measure • Protect***

KG Technologies, founded in 1999, is dedicated to innovative development and high quality/high volume manufacturing of latching relays for the Global Energy Market. We are a preferred supplier due to our ability to provide value-add, cost-effective solutions to our customers with the highest quality global standards, and flexible delivery. For our customers, this translates into significant savings in cost.

In 2015, Hongfa Group, the largest latching relay manufacturer in the world, acquired KG Technologies, broadening our product line with a variety of products including power and signal relays, HVDC contactors, current transformers, and smart circuit breakers.

The combined companies have become the largest producer of latching relays in the world. As we continue to grow, we will add additional Energy Management Solutions to our portfolio.







### **KG Relays are the Leading Solutions for the following Markets**

- Utility Power Management
- Building Energy Management
- Renewable Energy and Energy Storage
- Electrical Vehicle and EV Charging

From metering to monitoring applications KGT is the market leader with decades of experience in delivering high quality solutions to meet the customer's specific requirements.

### ***Our Relays Offer the Best Value in the Market***

We offer a line of relays including latching, HVDC, power, industrial and signal. Designed, built, and tested to meet the industry's highest performance standards, KG Technologies relays offer the best value in the energy management market.

Headquartered in the USA, we are a global company with a team of sales representatives and engineers experienced and ready to meet your needs

***KG Works With You So That Our  
Products Work For You!***

### Hongfa, the Largest Relay Manufacturer in the World



### Hongfa is the Industry Leader in Relay Design, Development, Manufacturing and Testing

Hongfa Group was founded in 1984 and has established a full-range and well-equipped industrial system by upholding the company spirit of “persevere for progress; strive for excellence”. Hongfa has set up three relay R&D facilities and multiple production factories with nearly 14,000 employees globally. Hongfa products cover various product segments including relays, low-voltage and high-voltage devices, capacitors, precision parts and automatic production equipment, which are widely used in industrial, energy, transportation, telecommunication, home appliance, and medical areas.

- Over 35 years experience in R&D and production
- 30 Subsidiaries globally
- Over 1 million square meters of plants
- 14,000 employees worldwide
- Two billion relays shipped annually

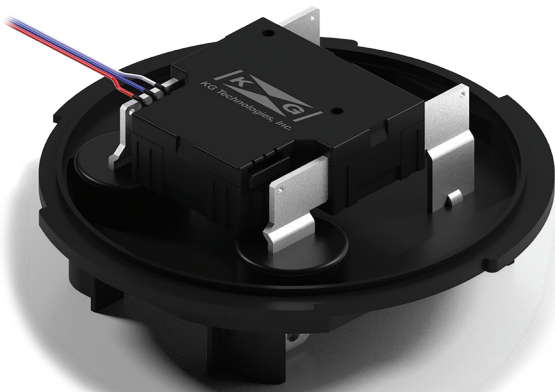
### The Most Reliable Relays in the Market

KG Technologies provides flexible solutions from the design process through final product delivery. At the start of each project, we work with our customers' engineers to understand their specific product needs and develop the most cost-effective and high-performance assemblies. We design our products to improve form, fit, as well as optimize performance.

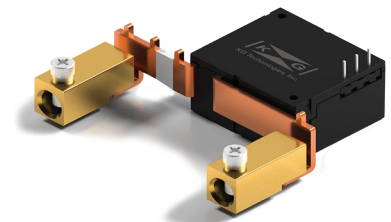
### KGT Specializes in Customization and Value Added Services

The KG Team offers their expertise in customization (some examples below)

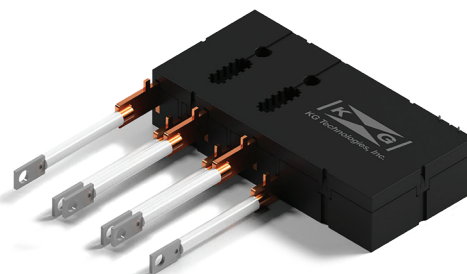
- Links / busbars
- Injection molding
- Service Disconnect and non-SD meter base assemblies
- e-Beam welding
- Custom packaging and labelling
- Full Electrical and environmental test capabilities



**ANSI Class 200 2S with  
Current Sensing**










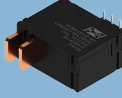

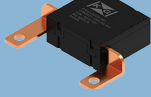


**Symmetrical Single-Phase**



**Din Poly-Phase**

## Latching Relay (Metering)

Part Number	Contact Form	Contact Rating	Prepaid System	Max Switching Power	Dimensions (mm)	
K119-60	1A, 1B	60A @ 276Vac	UC1 (IEC 62055-31)	16,500 VA	38.1 x 30.0 x 16.5	
K119-90	1A, 1B	60A @ 276Vac	UC2 (IEC 62055-31)	16,560 VA	38.1 x 30.0 x 16.5	
K120	1A, 1B	100A @ 220Vac	UC3 (IEC 62052-31)	22,000 VA	52.0 x 43.0 x 22.0	
K121	1A, 1B	100A @ 240Vac	UC3 (IEC 62052-31)	24,000 VA	52.0 x 43.0 x 22.0	
K125-90	1A, 1B	100A @ 240Vac 90A @ 276Vac	UC3 (IEC 62052-31) UC3 (IEC 62055-31)	24,840 VA	43.0 x 37.0 x 22.90	
K125-100	1A, 1B	100A @ 276Vac	UC3 (IEC 62055-31)	27,600 VA	43.0 x 37.0 x 22.90	
K126-100	1A, 1B	100A @ 276Vac	UC3 (IEC 62055-31)	27,600 VA	43.0 x 37.0 x 22.90	
K127-100	1A, 1B	100A @ 276Vac	UC3 (IEC 62055-31)	27,600 VA	43.2 x 37.2 x 22.0	
K127-90	1A, 1B	100A @ 240Vac 90A @ 276Vac	UC3 (IEC 62055-31) @240V 100A UC3 (IEC 62055-31) @276V, 90A	24,840 VA	43.2 x 37.2 x 22.0	
K150	1A, 1B	80A @ 264.5Vac	UC2 (IEC 62055-31)	21,160 VA	39.0 x 30.0 x 18.5	
K153	1A, 1B	60A @ 276Vac	UC2 (IEC 62055-31)	16,560 VA	39.6 x 30.3 x 16.7	
K161	1A, 1B	100A @ 240Vac	UC3 (IEC 62052-31)	27,600 VA	43.0 x 40.0 x 18.0	

## Latching Relay (Metering)




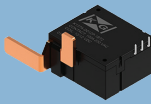



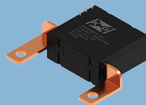




Part Number	Contact Form	Contact Rating	Prepaid System	Max Switching Power	Dimensions (mm)	
K176	1A, 1B	100A @ 240Vac 90A @ 276Vac	UC3 (IEC 62052-31) @240V 100A UC3 (IEC 62055-31) @276V, 90A	24,840 VA	42.0 x 32.0 x 20.8	
K219	2A, 2B	60A @ 276Vac	UC2 (IEC 62055-31)	16,560 VA	54.9 x 35 x 19.5	
K237	2A, 2B	100A @ 230Vac	UC3 (IEC 62052-31)	23,000 VA	60.0 x 52.0 x 23.0	
K240	2A, 2B	200A @ 240Vac	ANSI C12.1	48,000 VA	74.8 x 73.3 x 29.5	
K246	2A, 2B	200A @ 240Vac	ANSI C12.1	48,000 VA	73.3 x 74.8 x 29.8	
K248	2A, 2B	320A @ 240Vac	ANSI C12.1	76,800 VA	120.35 x 92.4 x 51.9	
K276	2A, 2B	100A @ 240Vac	UC3 (IEC 62052-31)	24,000 VA	59.9 x 41.5 x 24.3	
K300	3A, 3B	100A @ 220Vac	UC3 (IEC 62052-31)	22,000 VA	115.0 x 54.0 x 24.0	
K303	3A, 3B	60A @ 264.5Vac	UC2 (IEC 62055-31)	15,870 VA	100.5 x 45.3 x 22.5	
K316A	3A, 3B	100A @ 64.5V	UC3 (IEC 62052-31)	26,450 VA	115.0 x 48.0 x 26.0	
K316B	3A, 3B	100A @ 264.5V	UC3 (IEC 62052-31)	26,450 VA	115.0 x 48.0 x 26.0	
K345	3A, 3B	80A @ 230Vac	UC3 (IEC 62052-31)	18,400 VA	95.5 x 76.6 x 34.0	



## Latching Relay (Non-Metering)

Part Number	Contact Form	Contact Rating	Max Switching Voltage	Max Switching Current	Max Switching Power	Dimensions (mm)	
K106	1A, 1B 1C	20A @ 250Vac 16A @ 250Vac	277Vac	20A	4,000VA	29.0 x 12.7 x 15.7	
K107	1A, 1B 2A, 2B, 1X	10A @ 250Vac 8A @ 250Vac	380Vac	10A 8A	2500W 2000W	20.0 x 15.0 x 10.2	
K108	1A 2A, 1A+1B	8A @ 250Vac 5A @ 250Vac 5A @ 30Vdc	380Vac 240Vdc	8A	2,000 VA 150 W	20.2 x 11.3 x 10.5	
K110A	1A, 1B, 1C	50A @ 277Vac	440Vac	50A	12,500VA	39.0 x 15.0 x 30.2	
K110B	1A, 1B	50A @ 60Vdc 50A @ 150Vdc 50A @ 250Vdc	440Vac	50A	22,000VA	39.0 x 21.4 x 30.2	
K119-60	1A, 1B	60A @ 277Vac	440Vac	60A	16,620 VA	38.1 x 30.0 x 16.5	
K119-90	1A, 1B	90A @ 277Vac	440Vac	90A	24,930VA	38.1 x 30.0 x 16.5	
K120	1A, 1B	100A @ 220Vac	440Vac	120A	22,000VA	52.0 x 43.0 x 22.0	
K121	1A, 1B	120A @ 220Vac	440Vac	120A	26,400VA	52.0 x 43.0 x 22.0	
K125-90	1A, 1B	90A @ 277Vac	440Vac	100A	22,160VA	43.0 x 37.0 x 22.90	
K125-100	1A, 1B	100A @ 277Vac	440Vac	120A	24,930VA	43.0 x 37.0 x 22.90	
K126-100	1A, 1B	100A @ 277Vac	440Vac	120A	27,700VA	43.0 x 37.0 x 22.90	

## Latching Relay (Non-Metering)

Part Number	Contact Form	Contact Rating	Max Switching Voltage	Max Switching Current	Max Switching Power	Dimensions (mm)	
K127	1A, 1B	100A @ 276Vac	276Vac	100A	27,600VA	43.2 x 37.2 x 22.0	
K127-90	1A, 1B	100A @ 240Vac 90A @ 276Vac	276Vac	100A	24,840VA	43.2 x 37.2 x 22.0	
K128	1A, 1B	200A @ 240Vac	227Vac	200A	44,000VA	61.3 x 57.0 x 29.3	
K137	1A, 1B	100A @ 240Vac	440Vac	100A	24,400VA	43.2 x 37.0 x 22.0	
K150	1A, 1B	80A @ 264.5Vac	276Vac	80A	21,160 VA	39.0 x 30.0 x 18.5	
K152	1C	120A @ 220Vac	440Vac	120A	26,400VA	57.0 x 53.0 x 22.0	
K153	1A, 1B	90A @ 277Vac	440Vac	90A	24,920VA	39.6 x 30.3 x 16.7	
K161	1A, 1B	100A @ 240Vac	440Vac	120A	27,700VA	43.0 X 40.0 X 18.0	
K176	1A, 1B	100A @ 240Vac	276Vac	100A	24,840VA	42 x 32 x 20.8	
K218-60	2A, 2B	60A @ 240Vac	276Vac	80A	14,400VA	55.6 x 30.5 x 16.5	
K219	2A, 2B	90A @ 276Vac	276Vac	60A	16,560VA	54.9 x 35 x 19.5	
K237	2A, 2B	100A @ 277Vac	440Vac	100A	27,700VA	60.0 x 52.0 x 23.0	

## Latching Relay (Non-Metering)

Part Number	Contact Form	Contact Rating	Max Switching Voltage	Max Switching Current	Max Switching Power	Dimensions (mm)	
K240	2A, 2B	200A @ 240Vac	440Vac	200A	48,000VA	74.8 x 73.3 x 29.5	
K246	2A, 2B	200A @ 240Vac	440Vac	200A	48,000VA	73.3 x 74.8 x 29.8	
K247	2A, 2B	200A @ 240Vac	276Vac	200A	55,200VA	74.8 x 98.1 x 29.5	
K248	2A, 2B	320A @ 240Vac	265Vac	320A	76,800VA	120.4 x 92.4 x 51.9	
K249	2A, 2B	200A @ 240Vac	276Vac	200A	48,000VA	89.5 x 122.0 x 39.3	
K268	2A, 2B	100A @ 276Vac	276Vac	100A	27,600VA	59.9 x 42.5 x 24.6	
K276	2A, 2B	100A @ 240Vac	277Vac	120A	24,000VA	59.9 x 41.5 x 24.3	
K300	3A, 3B	120A @ 277Vac	440Vac	120A	33,240VA	115.0 x 54.0 x 24.0	
K303	3A, 3B	80A @ 277Vac	440Vac	80A	22,160VA	100.5 x 45.3 x 22.5	
K316A	3A, 3B	100A @ 264.5V	264.5Vac	120A	26,450 VA	115.0 x 48.0 x 26.0	
K316B	3A, 3B	100A @ 264.5V	264.5Vac	120A	26,450 VA	115.0 x 48.0 x 26.0	
K345	3A, 3B	80A @ 230Vac	253Vac	80A	18,400 VA	95.5 x 76.6 x 34.0	

## Quality Statement

KG Technologies Inc.'s commitment is to ensure that our services and products consistently meet our customers' expectations, delivered on time and defect free.

We also ensure that our products are compliant with all relevant statutory and regulatory requirements including those from IEC, ANSI and UL regulatory bodies.

Our various product delivery teams are highly skilled and are focused in ensuring that through innovation and creativity we are committed on continual improvement of our product quality and reliability, as well as the efficiency of our service offerings.

### ***Production Quality Standards***

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**RoHS** - KG conforms to the requirements of the RoHS directive (2011/65/EU). This directive specifies the restrictions of the use of hazardous substances in Electrical and Electronic markets in Europe.

**REACH** - The European Union's REACH Directive (EC 1907/2006) is designed to regulate the Registration, Evaluation, Authorization and Restriction of Chemical Substances.

**Conflict Minerals Policy** - We are committed to support ending the violence and human rights violations in the mining of certain minerals from a location described as the "Conflict Region."

In addition to our commitments, we must meet regulatory obligations. For more information view our statement at [www.kgtechnologies.net](http://www.kgtechnologies.net) - Environmental Policies Page.



## Global Contacts

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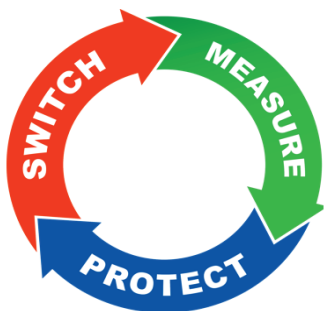
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***We Speak Your Language!***  
***KG Technologies, a Diversified Company***  
***Serving a Diversified Customer Base Globally***



***We strive to provide our customers  
with commitment, teamwork and respect!***



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