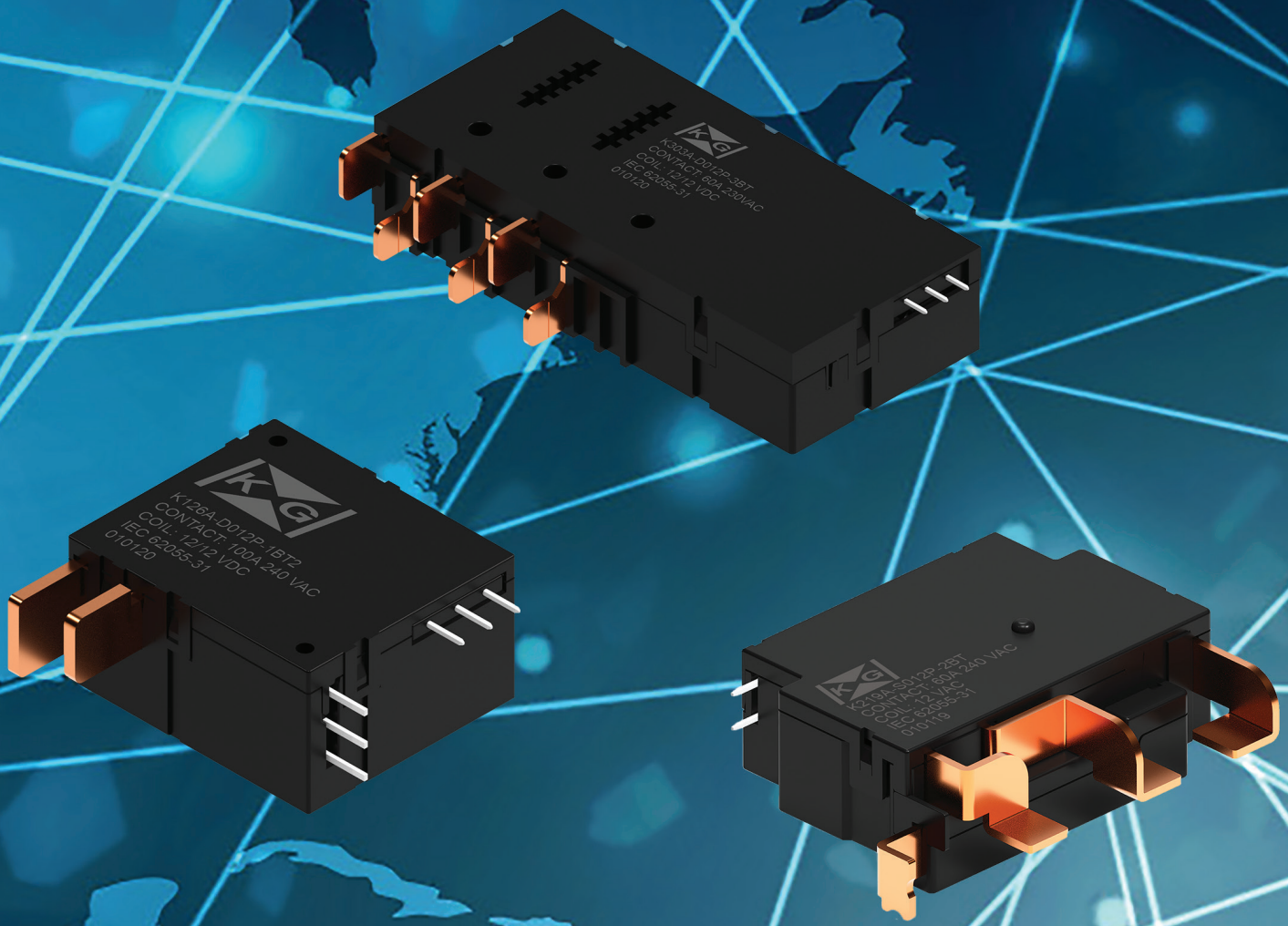
KG Technologies®

HONGFA Group Company

LR

Latching Relay Product Catalog



World Class Energy Management Solutions

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www.kgtechnologies.net

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World Class Switching Solutions for Energy Management

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 a significant savings in cost.

In 2015, Hongfa Group, the largest relay manufacturer in the world, acquired KG Technologies broadening our product line with a variety of relays including power, signal, HVDC, etc. in addition to Latching Relays and Smart Circuit Breakers. In 2017 KG and Hongfa Group jointly introduced Current Transformers (CT's) to their product portfolio.

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.

KGT 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 deliverying 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.

The Most Reliable Relays in the Market

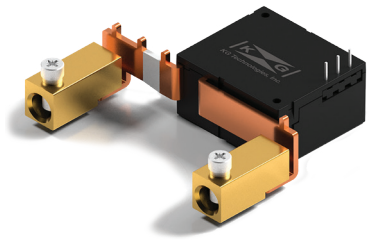
KG Technologies provides flexible solutions from the design process through final product delivery. At the start of each project, we work with our customers' engineers to understand their specific product needs and develop the most cost-effective and high-performance assemblies. We design our products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

KGT Specializes in Customization and Value Added Services

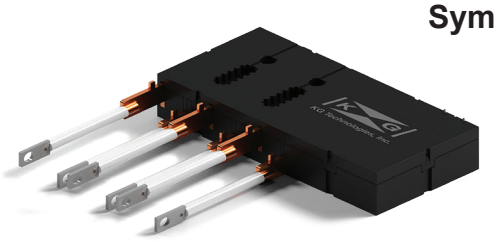
The KG Team offers their expertise in customization (some examples below)

- 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

ASNI Class 200 2S with Current Sensing

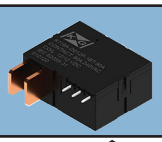
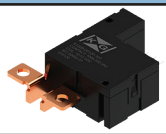
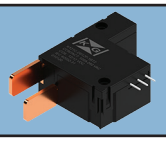
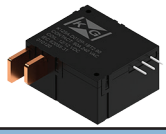
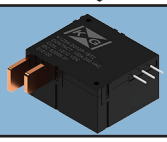
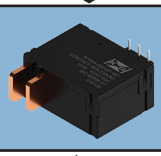
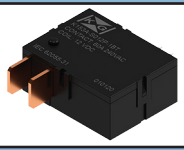
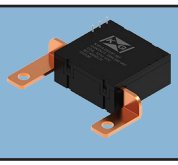


Symmetrical Single-Phase



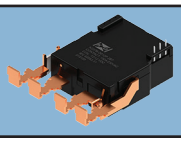
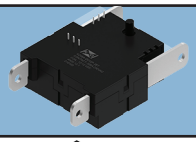
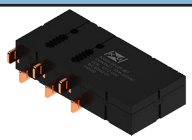
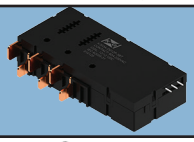
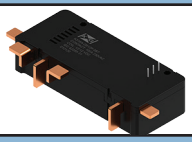
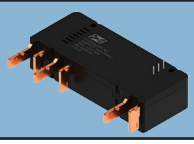
Din Poly-Phase

Latching Relays: Metering

Part Number	Contact Form	Contact Rating (See footnote 1 below)	Load at which the relay can pass mentioned specification	Max Switching Power (See footnote 2 below)	Dimensions	
K119-60	1A, 1B	60A @ 276Vac	UC1 as per IEC 62055-31	16,500 VA	38.1 x 30.0 x 16.5	
K119-90	1A, 1B	60A @ 276Vac	UC2 as per IEC 62055-31	16,560 VA	38.1 x 30.0 x 16.5	
K120	1A, 1B	100A @ 220Vac	UC3 as per IEC 62052-31	22,000 VA	52.0 x 43.0 x 22.0	
K121	1A, 1B	100A @ 240Vac	UC3 as per IEC 62052-31	24,000 VA	52.0 x 43.0 x 22.0	
K125-90	1A, 1B	100A @ 240Vac 90A @ 276Vac	UC3 as per IEC 62052-31 or UC3 as per IEC 62055-31	24,840 VA	43.0 x 37.0 x 22.90	
K125-100	1A, 1B	100A @ 276Vac	UC3 as per IEC 62055-31	27,600 VA	43.0 x 37.0 x 22.90	
K126-100	1A, 1B	100A @ 276Vac	UC2 as per IEC 62055-31	27,600 VA	43.0 x 37.0 x 22.90	
K150	1A, 1B	80A @ 264.5Vac	UC2 as per IEC 62055-31	21,160 VA	39.0 x 30.0 x 18.5	
K153	1A, 1B	60A @ 276Vac	UC2 as per IEC 62055-31	16,560 VA	39.6 x 30.3 x 16.7	
K161	1A, 1B	100A @ 240Vac 90A @ 276Vac	UC3 as per IEC 62052-31 or IEC 62055-31	27,600 VA	43.0 x 40.0 x 18.0	

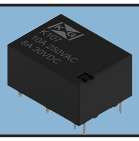
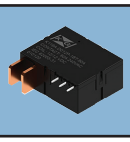
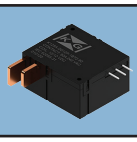
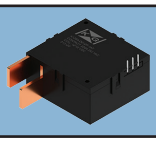
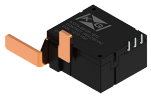
***(1) Contact Rating** - this value is the max contact load under which the relay can pass the noted IEC/ANSI standards*

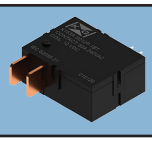
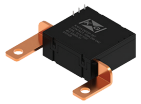
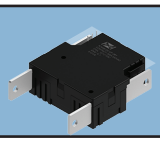
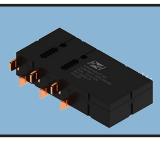
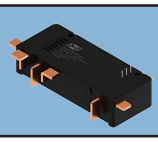
***(2) Max Switching Power** - this value is the max switching power that the relay can pass the noted IEC/ANSI standards*

Part Number	Contact Form	Contact Rating (See footnote 1 below)	Load at which the relay can pass mentioned specification	Contact Rating (See footnote 2 below)	Dimensions	
K219	2A, 2B	60A @ 276Vac	UC2 as per IEC 62055-31	16,560 VA	54.9 x 35 x 19.5	
K237	2A, 2B	100A @ 230Vac	UC3 as per 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	
K300	3A, 3B	100A @ 220Vac	UC3 as per IEC 62052-31	22,000 VA	115.0 x 54.0 x 24.0	
K303	3A, 3B	60A @ 264.5Vac	UC2 as per IEC 62055-31	15,870 VA	100.5 x 45.3 x 22.5	
K316A	3A, 3B	100A @ 253Vac	UC3 as per IEC 62055-31	25,300 VA	115.0 x 48.0 x 26.0	
K316B	3A, 3B	100A @ 253Vac	UC3 as per IEC 62055-31	25,300 VA	115.0 x 48.0 x 26.0	

*(1) **Contact Rating** - this value is the max contact load under which the relay can pass the noted IEC/ANSI standards*
*(2) **Max Switching Power** - this value is the max switching power that the relay can pass the noted IEC/ANSI standards*

Latching Relays: Non-Metering

Part Number	Contact Form	Contact Rating	Max Switching Voltage	Max Switching Current	Max Switching Power	Outline Dimensions (mm)	
K106	1A, 1B 1C	20A 250Vac 1.5HP 250Vac	277Vac	20A	4,000VA	29.0 x 12.7 x 15.7	
K107	1A, 1B 2A, 2B	10A 250Vac/30Vdc	277Vac	10A	2,500VA	20.0 x 15.0 x 10.2	
K108	1A	8A 250Vac 5A 30Vdc	380Vac 240Vdc	8A	2,000 VA 150 W	20.2 x 11.3 x 10.5	
K110	1A, 1B, 1C	50A 277Vac	440Vac	50A	12,500VA	39.0 x 15.0 x 30.2	
K119-60A	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, !B	100A 277Vac	440Vac	120A	24,930VA	43.0 x 37.0 x 22.90	
K126-100A	1A,1B	100A 277Vac	440Vac	120A	27,700VA	43.0 x 37.0 x 22.90	
K128	1A, 1B	200A 240Vac	440Vac	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	

Part Number	Contact Form	Contact Rating	Max Switching Voltage	Max Switching Current	Max Switching Power	Outline Dimensions (mm)	
K150	1A, 1B	80A 277Vac	440Vac	100A	22,160VA	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 277Vac	440Vac	120A	27,700VA	43.0 X 40.0 X 18.0	
K219	2A, 2B	90A 277Vac	440Vac	90A	24,930VA	54.9 x 35 x 19.5	
K237	2A, 2B	100A 277Vac	440Vac	100A	27,700VA	60.0 x 52.0 x 23.0	
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	
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	120A 277Vac	440Vac	120A	33,240VA	115.0 x 48.0 x 26.0	
K316B	3A, 3B	120A 277Vac	440Vac	120A	33,240VA	115.0 x 48.0 x 26.0	

Quality Statement

KG consistently provides products and services that meet or exceed the requirements and expectations of our customers. We will actively pursue ever-improving quality through programs that enable our products to be the market leaders that we are.

We develop reliable products that meet the world's highest energy standards (UL, IEC and ANSI) at the best cost for our customers. Our focus on the best value extends through our dependable manufacturing and logistical capabilities. This approach gives us the unique ability to produce large volume orders and dropship them anywhere in the world. We take pride in having one of the lowest failure rates in the industry.

Quality Standards

ISO 9001 / ISO 14001 - KG consistently delivers products and services that meet customer and regulatory requirements.

IATF16949 - The IATF is a standard that establishes the requirements for a Quality Management System (QMS), specifically for the automotive sector.

UL Recognition - KG products are recognized by the Underwriters Laboratories (UL).

RoHS - KG conforms to the requirements of the RoHS directive (2011/65/EU) of the European Union Parliament and the latest amendments for their materials and processes. 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.

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

HONGFA
Group Company

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

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Part Number: 90-00039 Rev. 01

06/20