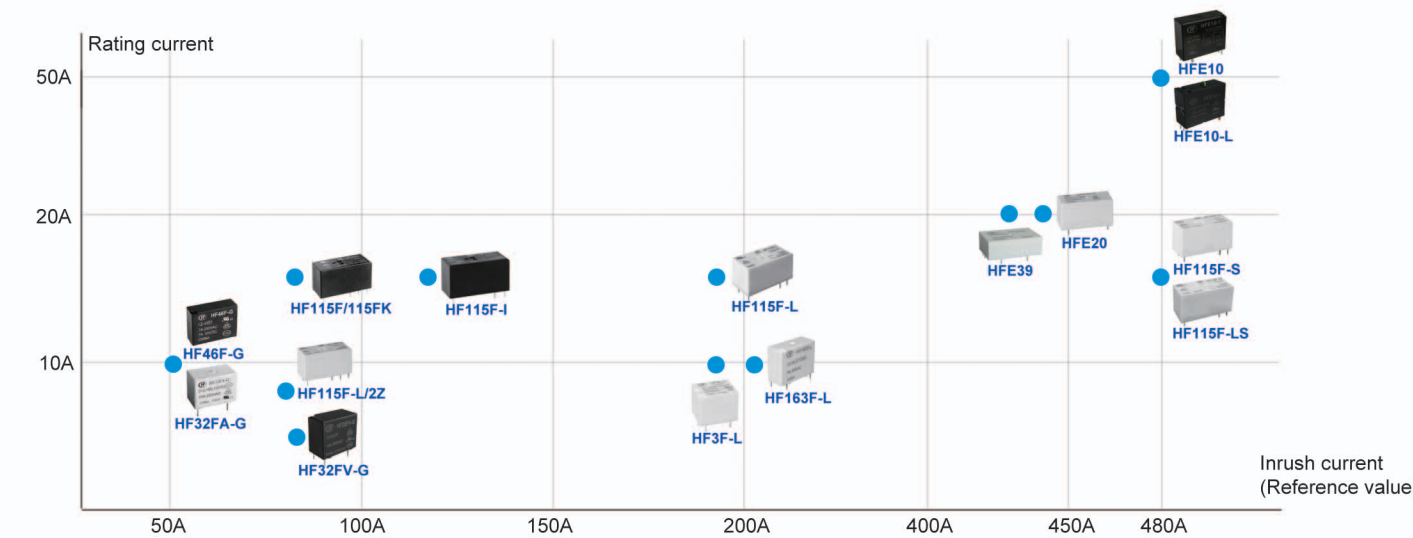


PRODUCT INTRODUCTION

Hongfa focuses on providing complete & reliable relay solutions to customers in lighting control field.

These series of relays, cover a wide load range (5A to 50A) and strong surge resistance capability (Maximum 500A), compliant with UL508/IEC60669-1/IEC60669-2-1. There are multiple options with diversified contact arrangements and latching/non-latching options, that are suitable for different types of load (Tungsten lamp, Fluorescent lamp, LED lamp, Standard ballast & Electronic ballast).

Hongfa has successfully provide lighting control relay solutions to well-known companies in intelligent building, energy-saving socket and street light fields around the world.



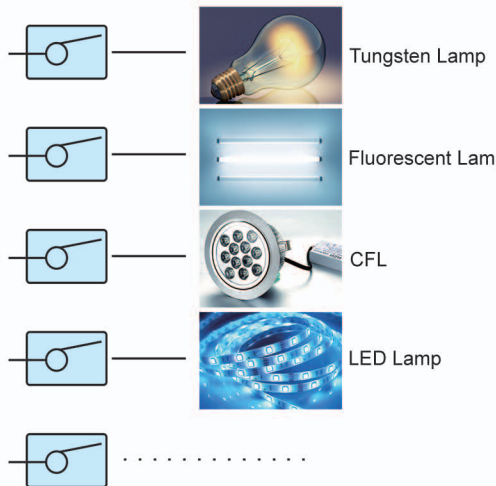
Product features:

- Multi-type lamp load capacity
- Zero power consumption latching product in standby mode
- Product with tungsten contact and customized specifications available
- Strong surge resistance capability (Maximum 500A)
- High safety performance, meet the UL 94V-0 flame-proof classification

Applications



Panel/Switch



Xiamen Hongfa Electroacoustic Co.,Ltd.

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TEL.: + 86 - 592 - 6106688 Fax: + 86 - 592 - 6106678

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Scan here for more information.

www.hongfa.com

HONGFA RELAY LIGHTING CONTROL

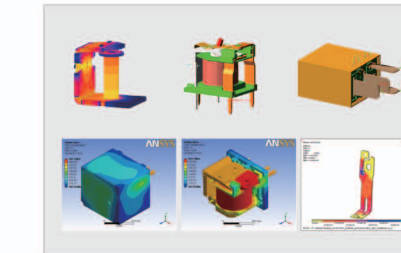
Focusing on providing complete & reliable relay solutions for lighting control market



ISO9001 ISO/TS16949 ISO14001 OHSAS18001 IECQ QC080000 CERTIFIED

ABOUT HONGFA

Vertically integrated relay manufacturing chain



R&D and Innovation



Mold Designing and Manufacturing



Precision Component Production



Testing & Analysis



Quality Assurance



High-effect Automatic Production Line

Hongfa Group (Stock Code:SH600885), ranked top in Chinese relay industry in terms of overall economic effectiveness, is the largest base for relay R&D, manufacturing & export.

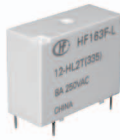
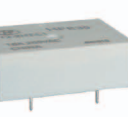
Founded in 1984, with the insisting on the company spirit-Persevere for Progress, Strive for Excellence and the operational philosophy -Winning through quality, Hongfa has become the world-class R&D and manufacturing base for relay products. The sales revenue of Hongfa Group in 2015 is 5.75 billion RMB. Hongfa Group owns more than 30 subsidiaries with over 13,000 employees globally.

With regard to R&D, Hongfa focuses on development and application, absorbing & transferring the most cutting-edge technology from international industry. Hongfa owns the National Enterprise Technical Center, the largest and most comprehensive, well-equipped testing lab in Chinese relay industry, the first Post-doctoral Research Station, Academician expert workstation etc. Meanwhile, Hongfa presides over or participates in formulating professional or national standards, implements several national key projects and promotes the industry development.

Hongfa products cover variety of categories which include relays, low-voltage devices, L/H volt. Complete equipments, precision & automatic equipments. Hongfa products are currently being exported to over 100 countries and regions and Hongfa has established local sales & services networks in several countries and regions with strong global marketing operation and technical support capability. The customers of Hongfa are well-known enterprises from variety of fields which cover industry, energy, transportation, information, home appliance, medical care and national defense etc..



Lighting Control Relay Selection Guide

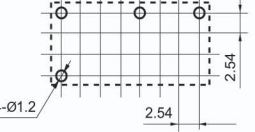
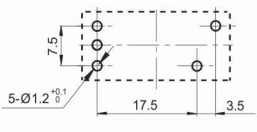
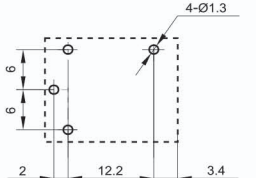
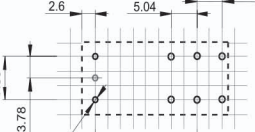
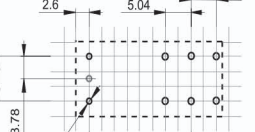
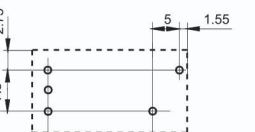
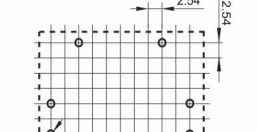
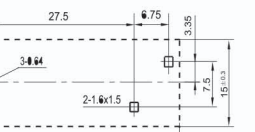
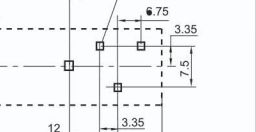
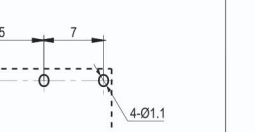
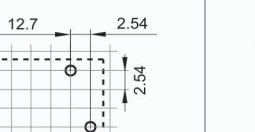
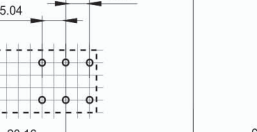
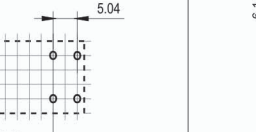
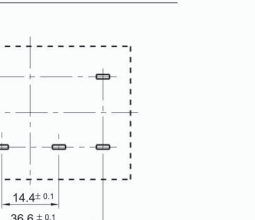
	Latching Relays									Non-Latching Relays					
Type	HFE60	HF163F-L	HF3F-L	HF115F-L	HF115F-LS	HFE20/...D	HFE39	HFE10-L	HFE10	HF49FD	HF46F-G	HF32FV-G	HF115F	HF115F-S	HF116F-1,-2,-3
Appearance															
Dimensions(L x W x H) mm	17.6 x 10.1 x 12.3	24.0 x 10.0 x 18.8	19.0 x 15.2 x 15.5	29.0 x 12.7 x 15.7	29.0 x 12.7 x 15.7	29.0 x 12.7 x 15.7	20.0 x 30.0 x 10.2	39.0 x 15.0 x 29.3	39.0x 15.0 x 30.2	20.0 x 5.0 x 12.5	20.0 x 7.2 x 12.5	18.4 x 10.2 x 15.3	29.0 x 12.7 x 15.7	29.0 x 12.7 x 15.7	50.5 x 33.5 x 48.0

Contact Ratings

Contact Form		1A	2A,1A+1B	1A	1A	1C	1A	2A	1A	1A		2A,2B,1A+1B		1A	1A	1A	1A	1A	1A	1A	2A				
Contact Material		AgSnO ₂		AgSnO ₂ /W		AgSnO ₂		AgSnO ₂		W+AgSnO ₂		HFE20: AgSnO ₂	HFE20/...D: W+ AgSnO ₂	AgSnO ₂		AgSnO ₂		AgSnO ₂		AgSnO ₂					
Electrical Endurance	Tungsten (Inrush)	1000W / 220VAC (70A)		800W / 277VAC (40A)		1800W / 120VAC (150A)		2200W / 230VAC (120A) 800W / 277VAC (70A)		3500W / 220VAC (220A)		1800W 120VAC (191A) 3000W 220VAC (200A)		10A / 220VAC (141A)		5000W / 250VAC (226A)		5000W / 240VAC (226A)		200W / 120VAC (10A) 500W / 277VAC (31A)		500W / 277VAC (31A) 1500W / 277VAC		3000W / 220VAC (202A) 4000W / 220VAC (210A)	
	Fluorescent Lamp (Inrush)	3A / 220VAC (205A)		600W / 230VAC (50A)		1800W / 220VAC (150A)		2300W / 230VAC (192A) —		4432W / 277VAC (480A)		2300W 230VAC (320A) 3300W 277VAC (440A)		10A / 220VAC (430A)		5000W / 220VAC (480A)		5000W / 220VAC (480A)		—		4432W / 277VAC (480A) 1920W / 120VAC (242A)		1920W / 120VAC (242A)	
	LED Load (Inrush)	100W / 220VAC (108A)		100W / 220VAC (108A)		200W / 220VAC (104A)		400W / 220VAC (124A) —		600W / 220VAC (240A)		400W 220VAC (235A) 400W 220VAC (235A)		400W / 220VAC (235A)		2500W / 220VAC (500A)		2500W / 220VAC (500A)		—		100W / 220VAC (60A) 100W / 220VAC (60A)		400W / 220VAC (124A) 600W / 220VAC (124A)	
	Electrical Ballast (Inrush)	3A / 220VAC (205A)		3A / 220VAC(W) (205A)		5A / 120VAC (192A)		5A120VAC (192A) —		16A / 277VAC (480A)		5A 277VAC (320A) 3300W 277VAC (440A)		10A / 220VAC (430A)		16A / 277VAC (480A)		16A / 277VAC (480A)		—		—		5A / 120VAC 16A / 277VAC (480A) 16A / 277VAC (242A)	
	TV Load (Inrush)	TV-3 (51A)		TV-3 (51A)		TV-10 (141A)		TV-12 (163A) TV-3 (51A)		TV-15 (191A)		TV-8 (117A) TV-8 (117A)		TV-10 (117A) TV-20 (226A)		TV-10 (117A) TV-20 (226A)		TV-20 (226A)		—		TV-3 (51A) TV-5 (78A)		TV-8 (117A) TV-10 (141A)	
	Rated resistive load		8A / 250VAC,3 x 10 ⁴ ops		8A / 250VAC,5 x 10 ⁴ ops		10A / 277VAC,1 x 10 ⁴ ops		16A / 250VAC,5 x 10 ⁴ ops		16A / 250VAC,1 x 10 ⁴ ops		16A / 250VAC,1 x 10 ⁵ ops		20A 250VAC, 5 x 10 ⁴ ops		20A,277VAC, 1 x 10 ⁵ ops		50A 277VAC, 1 x 10 ⁵ ops		5A 250VAC, 5 x 10 ⁵ ops		10A 250VAC, 1 x 10 ⁵ ops		10A 250VAC,1 x 10 ⁵ ops 8A 250VAC,1 x 10 ⁵ ops 16A 250VAC,1.2 x 10 ⁵ ops 30A 240VAC,1.2 x 10 ⁵ ops

Characteristics

Rated Voltage	3VDC to 24VDC	3VDC to 24VDC	3VDC to 24VDC	3VDC to 24VDC	3VDC to 24VDC	3VDC to 24VDC	3VDC to 24VDC	3VDC to 48VDC	6VDC to 48VDC	6VDC to 48VDC	5VDC to 24VDC	3VDC to 24VDC	3VDC to 48VDC	5VDC to 110VDC	5VDC to 110VDC	3VDC to 110VDC
Nominal Operating Power	0.15W, 0.3W	0.2W, 0.4W	0.4W, 0.8W	0.4W, 0.6W	0.4W, 0.6W	0.4W, 0.6W	0.4W, 0.6W	1W, 2W	1.5W, 3.0W	1.5W, 3.0W	0.12W to 0.18W	0.2W	0.2W, 0.45W	0.4W	0.4W	1.9W
Surge Voltage	1000MΩ	1000MΩ	100MΩ	1000MΩ	1000MΩ	1000MΩ	1000MΩ	1000MΩ	1000MΩ	1000MΩ	1000MΩ	1000MΩ	1000MΩ	1000MΩ	1000MΩ	1000MΩ
Dielectric Strength (Between coil and contacts)	3000VAC	5000VAC	2000VAC	5000VAC	5000VAC	5000VAC	4000VAC	4000VAC	4000VAC	4000VAC	3000VAC	4000VAC	4000VAC	5000VAC	5000VAC	4000VAC
Ambient Temperature	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to 70°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-55°C to 70°C
Operate / Release Time max.	10ms / 10ms	15ms / 15ms	8ms / 5ms	10ms / 10ms	10ms / 10ms	10ms / 10ms	15ms / 15ms	15ms / 15ms	15ms / 15ms	15ms / 15ms	10ms / 5ms	10ms / 10ms	8ms / 5ms	15ms / 8ms	15ms / 8ms	30ms / 30ms
Construction	RTII,RTIII	RTII,RTIII	RTII,RTIII	RTII,RTIII	RTII,RTIII	RTII,RTIII	RTII,RTIII	RTII,RTIII	RTII,RTIII	RTII,RTIII	RTII,RTIII	RTII,RTIII	RTII,RTIII	RTII,RTIII	RTII,RTIII	RTII,RTIII

Layout (Bottom view)															
Approved Standards	UL/CUL TÜV	UL/CUL VDE	UL/CUL VDE CQC	UL/CUL VDE	UL/CUL TÜV CQC	UL/CUL VDE	UL/CUL	UL/CUL VDE	UL/CUL	UL/CUL TÜV CQC	UL/CUL VDE	UL/CUL VDE CQC	UL/CUL VDE CQC	UL/CUL VDE CQC	UL/CUL VDE CQC

Note: Specification and dimensions in this catalog are subject to change without notice.