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www.huanfang.com



高压接触器 | 汽车电器专业制造
HIGH VOLTAGE CONTACTOR
Professional Manufacturer
Of Automotive Electric

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Note: this directory all series of products, there may be errors between data and actual, please refer to our actual product.
Are subject to change without prior notice.



高压接触器
汽车电器专业制造

HIGH VOLTAGE CONTACTOR
PROFESSIONAL MANUFACTURER
OF AUTOMOTIVE ELECTRIC



浙江环方汽车电器有限公司

ZheJiang HuanFang Automobile Electric Appliances Co., Ltd.



www.huanfang.com



CREATE MORE
POSSIBILITIES FOR
THE WORLD

BRIEF INTRODUCTION

Zhejiang Huanfang Automobile Electric Appliances Co., Ltd.

浙江环方汽车电器有限公司创建于1990年，是一家专业生产起动机用电磁开关、继电器和新能源高压接触器的股份制企业，是旋转变压器、电磁开关和继电器国家行业标准主要负责起草单位，在同行业处于领先地位。

多年来，公司始终坚持：“品质第一，精益求精”的经营理念，以日本电装、德国博世技术和管理经验为依托，生产高品质的“环方”牌系列电磁开关、继电器和新能源高压接触器，其技术指标达到日本、欧美发达国家同类产品水平，在国内配套市场上已取代进口产品。并且通过ISO / IATF16949国际质量体系认证、ISO14001环境体系认证、OHSAS18001职业健康安全管理体系认证。获得高新科技企业认证、行业年度单项冠军企业、排头兵企业、市政府质量奖、中国汽车电机电器行业创新企业、浙江省名牌商标、驰名商标等。

公司与国内多家知名起动机生产厂家有稳定的配套关系，主要配套于博世、电装、博格华纳、舍弗勒、马勒、索恩格、大洋电机、成都华川电装、锦州汉拿等。分别用于奔驰、宝马、福特、丰田、本田、铃木、日产、现代、起亚等车型。部分产品已远销欧洲、北美等地区，博得国内外用户信赖和赞赏。



42,800⁺

厂区占地面积42800平方米

Factory covers an area of
42800 square meters

100⁺

上百人的研发团队

Hundreds of
R&D team



- 工信部小巨人企业
- 中国内燃机电器行业协会排头兵单位
- 中国车用电机电器电子单项冠军
- 六部行业标准起草单位
- 浙江省省级企业研究院
- 浙江省专利示范企业

- 浙江省名牌产品
- 浙江制造精品单位
- 国家高新技术企业
- 电磁开关、继电器龙头企业
- 浙江省智能化工厂
- 市政府质量奖
- 浙江省著名商标

90⁺

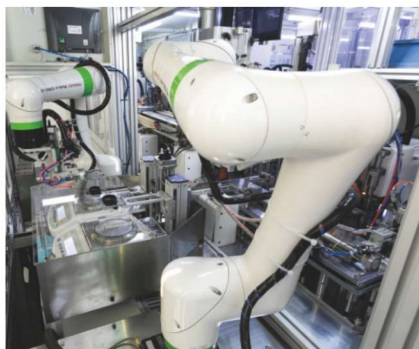
产品远销90多个国家

Our products are
exported to over 90
countries

高起点、高质量、高标准、高性价比

以现代化企业管理理念，以规范的标准化作业流程，严格的检验检测制度，
保证生产线出来的每一个产品均符合国家标准。

With modern enterprise management concept, standardized operation process,
strict inspection and testing system to ensure that every product out of the production
line meets the national standards.



让创新技术和高端品质服务于全球每一位用户！

Let innovative technology and
high-end quality serve every user
around the world!



QUALITY COMES FROM
CONSTANT POLISHING OF
DETAILS

品质来自于
对细节不断打磨



MADE WITH INGENUITY



我们视质量为企业的生命。

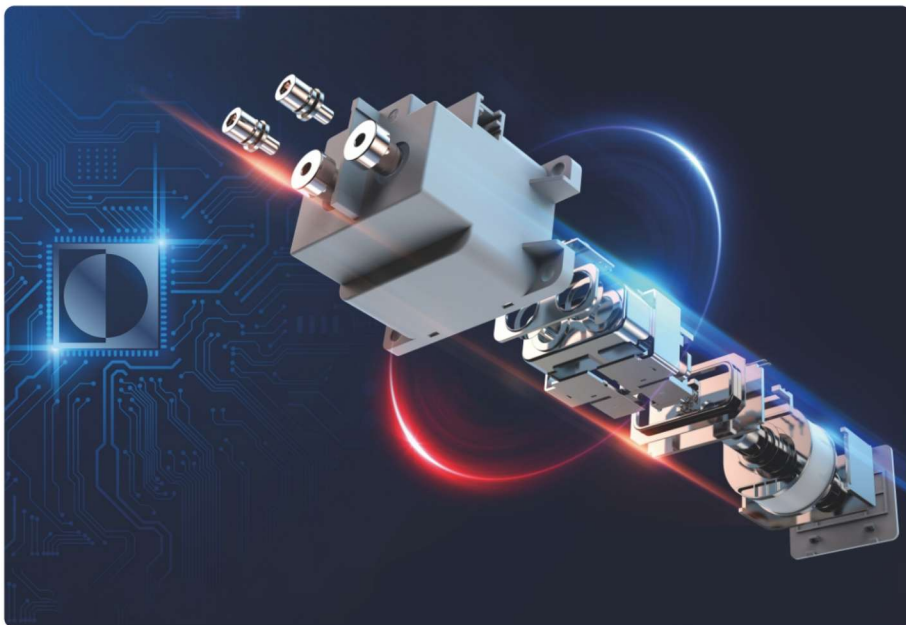
我们承诺对客户负责，始终追求达到零PPM的质量目标。

环方拥有超强凝聚力与创新力的团队，确保每一个环节的产品质量与服务品质。

精益求精，追求卓越，环方人用心打造高效率、高质量的产品，立志跻身于世界领先舞台。

Regarding quality as the life of the enterprise,
We commit being responsible for our customers,
strive for achieving a quality goal of 0 PPM.
Huanfang has a strong team with cohesion and innovation to ensure the quality of products
pursuing excellence, Huanfang strive for producing high-performance and high quality products enter
in the world's leading stage.

0 PPM 追求达到零PPM的质量目标
Pursue a quality goal of 0 ppm

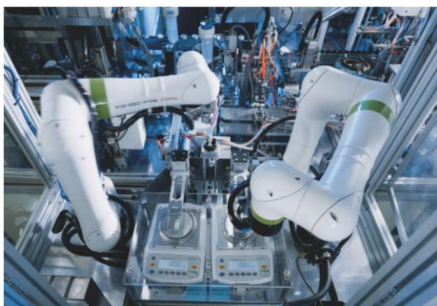


以工艺 | 造就杰作

CREATE MASTERPIECES

WITH CRAFTSMANSHIP

倾力缔造完美，每一件环方产品，皆属独一无二的极致成就



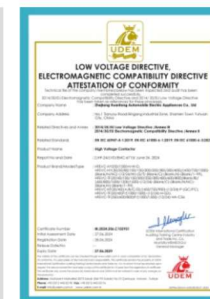
AUTHENTICATION CERTIFICATE



认证证书

通过严格的认证审核，企业向世界展示了其卓越的管理水平、精湛的技术能力和坚定不移的责任担当。这不仅为企业赢得了客户的信任与市场的青睐，更为企业的可持续发展注入了强大动力。

Through strict certification audits, enterprises have demonstrated their excellent management level, superb technical capabilities and unwavering sense of responsibility to the world. This not only wins the trust of customers and the favor of the market for enterprises, but also injects strong impetus into the sustainable development of enterprises.



HIGH VOLTAGE CONTACTOR APPLICATION RANGE

高压接触器应用范围

Wind power plant	风力发电站	Electric forklift	电动叉车
Solar power	太阳能发电	Electric heavy-duty construction vehicle	电动重型工程车
Energy storage battery	储能电池	Electric mining card	电动矿卡
New energy vehicle charging station	新能源汽车充电桩	Electric boat berthing	电动船舶
New energy vehicles	新能源汽车	Electric logistics vehicle	电动物流车
Electric motorcycle	电动摩托车	Electric sanitation vehicle	电动环卫车



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KF20D	02	KF40D	03

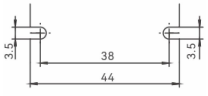
Epoxy Insulated series High-Voltage Contactor

HY30	03	HY200	05
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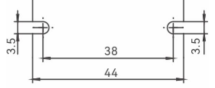
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High voltage contactor basic parameter

Product model		HFEVC-KF20A	HFEVC-KF20B	HFEVC-KF20C
Image photo for reference				
Dimensions(mm)		44x30x41.5	56x30x41.5	29.2x30x35.5
Contact form		1H	1H	1H
Contact resistance		≤8mΩ(at 20A)	≤8mΩ(at 20A)	≤8mΩ(at 20A)
Operate voltage		≤75%Un	≤75%Un	≤75%Un
Current rating		20A	20A	20A
Max breaking current		35A(320VDC)10PS	35A(320VDC)10PS	35A(320VDC)10PS
Max switching voltage		750VDC	750VDC	750VDC
Current durability		Switching : 1x10 ³ (750VDC,20A)	Switching : 1x10 ³ (750VDC,20A)	Switching : 1x10 ³ (750VDC,20A)
Dielectric Strength	Contact to coil	3000VAC 1min	3000VAC 1min	3000VAC 1min
	Contact to Contact	3000VAC 1min	3000VAC 1min	3000VAC 1min
Mechanical durability		2x10 ⁵	2x10 ⁵	2x10 ⁵
Coil power Consumption	Voltage rating(VDC)	12,24	12,24	12,24
	Power consumption	3W	3W	3W
Coil terminal type		Quick contact terminal	Quick contact terminal	PCB terminal
Load terminal type		Quick contact terminal	Quick contact terminal	PCB terminal
Weight (reference)		50g	50g	50g
Vibration		10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²
Humidity		5%~85%RH	5%~85%RH	5%~85%RH
Operating temperature		-40℃~85℃	-40℃~85℃	-40℃~85℃
Dimensions of mounting Holes (mm)				Refer to drawing

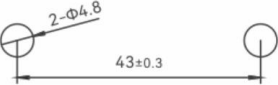
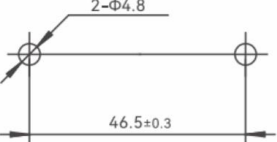
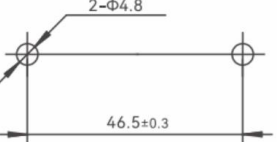
High voltage contactor basic parameter

Product model		HFEVC-KF20D	HFEVC-KF40A	HFEVC-KF40B
Image photo for reference				
Dimensions(mm)		61.8X30X41.5	44X30X41.5	56X30X41.5
Contact form		1H	1H	1H
Contact resistance		≤8mΩ(at 20A)	≤8mΩ(at 20A)	≤8mΩ(at 20A)
Operate voltage		≤75%Un	≤75%Un	≤75%Un
Current rating		20A	40A	40A
Max breaking current		35A(320VDC)10PS	60A(320VDC)10PS	60A(320VDC)10PS
Max switching voltage		750VDC	750VDC	750VDC
Current durability		Switching : 1x10 ³ (750VDC,20A)	Switching : 1x10 ³ (450VDC,40A)	Switching : 1x10 ³ (450VDC,40A)
Dielectric Strength	Contact to coil	3000VAC 1min	3000VAC 1min	3000VAC 1min
	Contact to Contact	3000VAC 1min	3000VAC 1min	3000VAC 1min
Mechanical durability		2x10 ⁵	2x10 ⁵	2x10 ⁵
Coil power Consumption	Voltage rating(VDC)	12,24	12,24	12,24
	Power consumption	3W	3W	3W
Coil terminal type		Quick contact terminal	Quick contact terminal	Quick contact terminal
Load terminal type		Quick contact terminal	Quick contact terminal	Quick contact terminal
Weight (reference)		50g	50g	50g
Vibration		10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²
Humidity		5%~85%RH	5%~85%RH	5%~85%RH
Operating temperature		-40℃~85℃	-40℃~85℃	-40℃~85℃
Dimensions of mounting Holes (mm)				

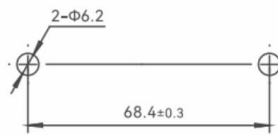
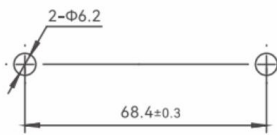
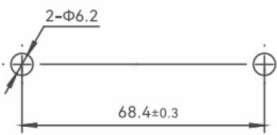
High voltage contactor basic parameter

Product model		HFEVC-KF40C	HFEVC-KF40D	HFEVC-HY30
Image photo for reference				
Dimensions(mm)		29.2X30X35.5	61.8X30X41.5	53.7X36.2X46.5
Contact form		1H	1H	1H
Contact resistance		≤8mΩ(at 20A)	≤8mΩ(at 20A)	≤3mΩ(at 30A)
Operate voltage		≤75%Un	≤75%Un	≤75%Un
Current rating		40A	40A	30A
Max breaking current		60A(320VDC)1OPS	60A(320VDC)1OPS	300A(320VDC)1OPS
Max switching voltage		750VDC	750VDC	750VDC
Current durability		Switching : 1x10 ³ (450VDC,40A)	Switching : 1x10 ³ (450VDC,40A)	Switching : 6x10 ³ (450VDC,30A) Switching : 1x10 ³ (750VDC,30A) Switching : 50 (1000VDC,30A)
Dielectric Strength	Contact to coil	3000VAC 1min	3000VAC 1min	2200VAC 1min
	Contact to Contact	3000VAC 1min	3000VAC 1min	2200VAC 1min
Mechanical durability		2x10 ⁵	2x10 ⁵	2x10 ⁵
Coil power Consumption	Voltage rating(VDC)	12,24	12,24	12,24
	Power consumption	3W	3W	3.6W/3.8W
Coil terminal type		PCB terminal	Quick contact terminal	Lead wire
Load terminal type		PCB terminal	Quick contact terminal	M4 internal thread
Weight (reference)		50g	50g	130g
Vibration		10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²
Humidity		5%~85%RH	5%~85%RH	5%~85%RH
Operating temperature		-40℃~85℃	-40℃~85℃	-40℃~85℃
Dimensions of mounting Holes (mm)		Refer to drawing		

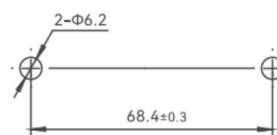
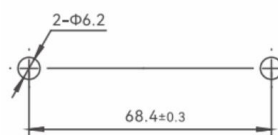
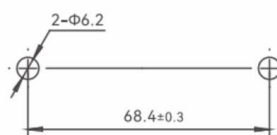
High voltage contactor basic parameter

Product model		HFEVC-HY50	HFEVC-HY80	HFEVC-HY100
Image photo for reference				
Dimensions(mm)		53.7X36.2X46.5	54.5X40.5X60	54.5X40.5X60
Contact form		1H	1H(NO auxiliary contacts for option)	1H(NO auxiliary contacts for option)
Contact resistance		≤3mΩ(at 50A)	≤2mΩ(at 80A)	≤2mΩ(at 100A)
Operate voltage		≤75%Un	≤75%Un	≤75%Un
Current rating		50A	80A	100A
Max breaking current		500A(320VDC)1OPS	1000A(320VDC)1OPS	1000A(320VDC)1OPS
Max switching voltage		1000VDC	1000VDC	1000VDC
Current durability		Switching : 6x10 ³ (450VDC,50A) Switching : 1x10 ³ (750VDC,50A) Switching : 50 (1000VDC,50A)	Switching : 6x10 ³ (450VDC,80A) Switching : 1x10 ³ (750VDC,80A) Switching : 50 (1000VDC,80A)	Switching : 6x10 ³ (450VDC,100A) Switching : 1x10 ³ (750VDC,100A) Switching : 50 (1000VDC,100A)
Dielectric Strength	Contact to coil	2200VAC 1min	2200VAC 1min	2200VAC 1min
	Contact to Contact	2200VAC 1min	3000VAC 1min	3000VAC 1min
Mechanical durability		2x10 ⁵	2x10 ⁵	2x10 ⁵
Coil power Consumption	Voltage rating(VDC)	12,24	12,24	12,24
	Power consumption	3.6W/3.8W	5.5W/6W	5.5W/6W
Coil terminal type		Lead wire	Lead wire	Lead wire
Load terminal type		M4 internal thread	M4 internal thread	M4 internal thread
Weight (reference)		130g	220g	220g
Vibration		10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²
Humidity		5%~85%RH	5%~85%RH	5%~85%RH
Operating temperature		-40℃~85℃	-40℃~85℃	-40℃~85℃
Dimensions of mounting Holes (mm)				

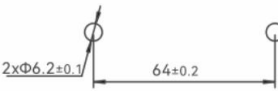
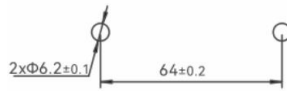
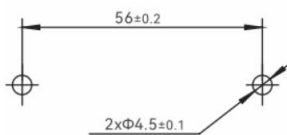
High voltage contactor basic parameter

Product model		HFEVC-HY150	HFEVC-HY200	HFEVC-HY250
Image photo for reference				
Dimensions(mm)		80.5X64X74	80.5X64X74	80.5X64X74
Contact form		1H(NO auxiliary contacts for option)	1H(NO auxiliary contacts for option)	1H(NO auxiliary contacts for option)
Contact resistance		≤0.3mΩ(at 150A)	≤0.3mΩ(at 200A)	≤0.3mΩ(at 250A)
Operate voltage		≤75%Un	≤75%Un	≤75%Un
Current rating		150A	200A	250A
Max breaking current		2000A(450VDC)1OPS	2000A(450VDC)1OPS	2000A(450VDC)1OPS
Max switching voltage		1000VDC	1000VDC	1000VDC
Current durability		Switching : 6x10 ³ (450VDC,150A) Switching : 3x10 ³ (750VDC,150A) Switching : 1x10 ³ (1000VDC,100A)	Switching : 6x10 ³ (450VDC,200A) Switching : 3x10 ³ (750VDC,200A) Switching : 1x10 ³ (1000VDC,100A)	Switching : 6x10 ³ (450VDC,250A) Switching : 3x10 ³ (750VDC,250A) Switching : 1x10 ³ (1000VDC,100A)
Dielectric Strength	Contact to coil	2200VAC 1min	2200VAC 1min	2200VAC 1min
	Contact to Contact	3000VAC 1min	3000VAC 1min	3000VAC 1min
Mechanical durability		2x10 ⁵	2x10 ⁵	2x10 ⁵
Coil power Consumption	Voltage rating(VDC)	9~36	9~36	9~36
	Power consumption	Pick up : 45W Hold in : 2W	Pick up : 45W Hold in : 2W	Pick up : 45W Hold in : 2W
Coil terminal type		Lead wire	Lead wire	Lead wire
Load terminal type		M8 external thread	M8 external thread	M8 external thread
Weight (reference)		430g	430g	430g
Vibration		10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²
Humidity		5%~85%RH	5%~85%RH	5%~85%RH
Operating temperature		-40℃~85℃	-40℃~85℃	-40℃~85℃
Dimensions of mounting Holes (mm)				

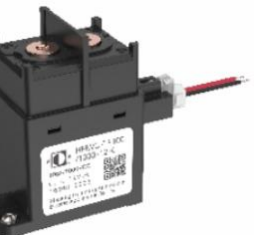
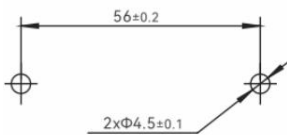
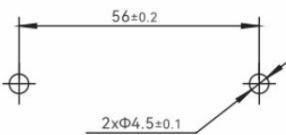
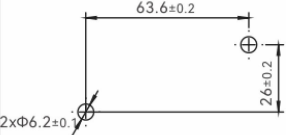
High voltage contactor basic parameter

Product model		HFEVC-HY300	HFEVC-HY350	HFECX-HY400
Image photo for reference				
Dimensions(mm)		80.5X64X74	80.5X64X74	80.5X64X74
Contact form		1H(NO auxiliary contacts for option)	1H(NO auxiliary contacts for option)	1H(NO auxiliary contacts for option)
Contact resistance		≤0.3mΩ(at 300A)	≤0.3mΩ(at 350A)	≤0.3mΩ(at 400A)
Operate voltage		≤75%Un	≤75%Un	≤75%Un
Current rating		300A	350A	400A
Max breaking current		2000A(450VDC)1OPS	2000A(450VDC)1OPS	2000A(450VDC)1OPS
Max switching voltage		1000VDC	1000VDC	1000VDC
Current durability		Switching : 6x10 ³ (450VDC,300A) Switching : 3x10 ³ (750VDC,300A) Switching : 1x10 ³ (1000VDC,100A)	Switching : 6x10 ³ (450VDC,350A) Switching : 3x10 ³ (750VDC,350A) Switching : 1x10 ³ (1000VDC,100A)	Switching : 6x10 ³ (450VDC,400A) Switching : 3x10 ³ (750VDC,400A) Switching : 1x10 ³ (1000VDC,100A)
Dielectric Strength	Contact to coil	2200VAC 1min	2200VAC 1min	2200VAC 1min
	Contact to Contact	3000VAC 1min	3000VAC 1min	3000VAC 1min
Mechanical durability		2x10 ⁵	2x10 ⁵	2x10 ⁵
Coil power Consumption	Voltage rating(VDC)	9-36	9-36	9-36
	Power consumption	Pick up : 45W Hold in : 2W	Pick up : 45W Hold in : 2W	Pick up : 45W Hold in : 2W
Coil terminal type		Lead wire	Lead wire	Lead wire
Load terminal type		M8 external thread	M8 external thread	M8 external thread
Weight (reference)		430g	430g	430g
Vibration		10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²
Humidity		5%~85%RH	5%~85%RH	5%~85%RH
Operating temperature		-40℃~85℃	-40℃~85℃	-40℃~85℃
Dimensions of mounting Holes (mm)				

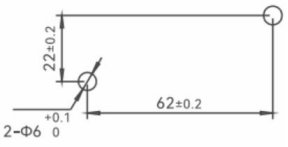
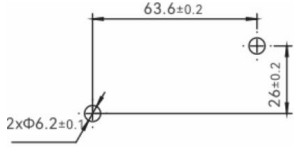
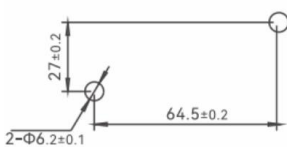
High voltage contactor basic parameter

Product model		HFEVC-TF20P	HFEVC-TF40P	HFEVC-TF40
Image photo for reference				
Dimensions(mm)		78.2X39.8X46.1	78.2X39.8X46.1	67X32.8X45
Contact form		1H	1H	1H
Contact resistance		≤4.5mΩ(at 20A)	≤4.5mΩ(at 20A)	≤3mΩ(at 40A)
Operate voltage		≤80%Un	≤80%Un	≤75%Un
Current rating		20A	40A	40A
Max breaking current		300A(320VDC)1OPS	300A(320VDC)1OPS	400A(320VDC)1OPS
Max switching voltage		1500VDC	1500VDC	1000VDC
Current durability		Connect : 1.5x10 ⁴ (1500VDC,20A) Switching : 1.5x10 ⁴ (1000VDC,15A) Switching : 1x10 ³ (1500VDC,15A)	Connect : 1.5x10 ⁴ (1500VDC,40A) Switching : 1.5x10 ⁴ (1000VDC,15A) Switching : 1x10 ³ (1500VDC,15A)	switching : 2x10 ⁴ (450VDC,40A) Connect : 7.5x10 ⁴ (750VDC,40A)
Dielectric Strength	Contact to coil	4000VAC 1min	4000VAC 1min	3000VAC 1min
	Contact to Contact	4000VAC 1min	4000VAC 1min	3000VAC 1min
Mechanical durability		2x10 ⁵	2x10 ⁵	2x10 ⁵
Coil power Consumption	Voltage rating(VDC)	12,24	12,24	12,24
	Power consumption	2.6W	2.6W	3W
Coil terminal type		Quick contact terminal	Quick contact terminal	Lead wire
Load terminal type		Quick contact terminal	Quick contact terminal	M4 internal thread
Weight (reference)		160g	160g	160g
Vibration		10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²
Humidity		5%~85%RH	5%~85%RH	5%~85%RH
Operating temperature		-40℃~85℃	-40℃~85℃	-40℃~85℃
Dimensions of mounting Holes (mm)				

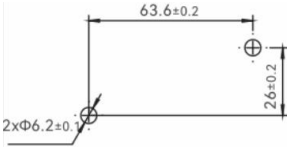
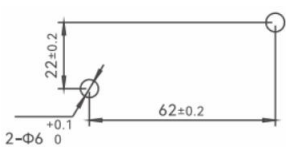
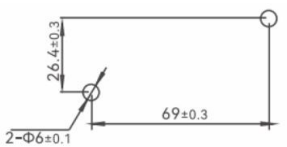
High voltage contactor basic parameter

Product model		HFEVC-TF50	HFEVC-TF60	HFEVC-TF100
Image photo for reference				
Dimensions(mm)		67X32.8X45	67X32.8X45	80.2X39X77
Contact form		1H	1H	1H
Contact resistance		≤3mΩ(at 50A)	≤3mΩ(at 60A)	≤3mΩ(at 100A)
Operate voltage		≤75%Un	≤75%Un	≤75%Un
Current rating		50A	60A	100A
Max breaking current		400A(320VDC)1OPS	600A(450VDC)1OPS	1000A(320VDC)1OPS
Max switching voltage		1000VDC	1000VDC	1000VDC
Current durability		switching : 1x10 ³ (800VDC,50A) Connect : 2.5x10 ⁴ (450VDC,50A)	Switching : 800 (750VDC,60A) Connect : 1.5x10 ⁴ (450VDC,60A)	Switching : 3x10 ³ (450VDC,100A) Switching : 1x10 ³ (750VDC,100A)
Dielectric Strength	Contact to coil	3000VAC 1min	3000VAC 1min	3000VAC 1min
	Contact to Contact	3000VAC 1min	3000VAC 1min	3000VAC 1min
Mechanical durability		2x10 ⁵	2x10 ⁵	2x10 ⁵
Coil power Consumption	Voltage rating(VDC)	12,24	12,24	12,24
	Power consumption	3W	3W	4.5W
Coil terminal type		Lead wire	Lead wire	Connector
Load terminal type		M4 internal thread	M4 internal thread	M5 internal thread
Weight (reference)		160g	160g	350g
Vibration		10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²
Humidity		5%~85%RH	5%~85%RH	5%~85%RH
Operating temperature		-40℃~85℃	-40℃~85℃	-40℃~85℃
Dimensions of mounting Holes (mm)				

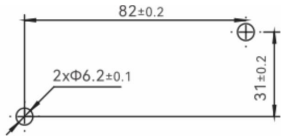
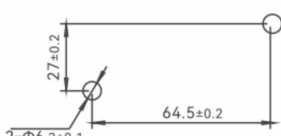
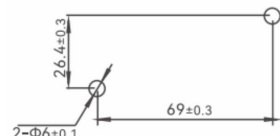
High voltage contactor basic parameter

Product model		HFEVC-TF100B	HFEVC-TF120	HFEVC-TF120B
Image photo for reference				
Dimensions(mm)		76X36X66.8	80.2X39X77	83.2X39X71.7
Contact form		1H	1H	1H
Contact resistance		≤0.5mΩ(at 100A)	≤3mΩ(at 120A)	≤0.5mΩ(at 120A)
Operate voltage		≤75%Un	≤75%Un	≤75%Un
Current rating		100A	120A	120A
Max breaking current		1200A(750VDC)1OPS	1000A(320VDC)1OPS	2000A(450VDC)1OPS
Max switching voltage		1500VDC	1000VDC	1500VDC
Current durability		switching : 1x10 ³ (800VDC,100A) switching : 2.5x10 ⁴ (22.5VDC,100A)	switching : 1x10 ³ (800VDC,120A) switching : 2x10 ⁴ (37.5VDC,120A)	switching : 500 (800VDC,120A) switching : 1x10 ³ (450VDC,120A)
Dielectric Strength	Contact to coil	4000VAC 1min	3000VAC 1min	3000VAC 1min
	Contact to Contact	4000VAC 1min	3000VAC 1min	3000VAC 1min
Mechanical durability		2x10 ⁵	2x10 ⁵	2x10 ⁵
Coil power Consumption	Voltage rating(VDC)	12,24	12,24	12,24
	Power consumption	5.8W	4.5W	5.8W
Coil terminal type		Lead wire	Connector	Connector
Load terminal type		M4 internal thread	M5 internal thread	M5 internal thread
Weight (reference)		280g	350g	330g
Vibration		10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²
Humidity		5%~85%RH	5%~85%RH	5%~85%RH
Operating temperature		-40℃~85℃	-40℃~85℃	-40℃~85℃
Dimensions of mounting Holes (mm)				

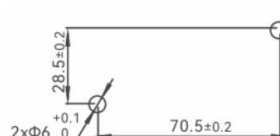
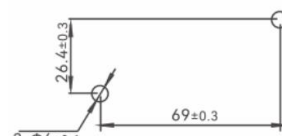
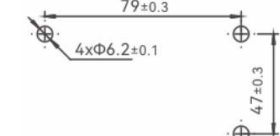
High voltage contactor basic parameter

Product model		HFEVC-TF150	HFEVC-TF150B	HFEVC-TF150P
Image photo for reference				
Dimensions(mm)		80.2X39X77	76X36X66.8	88.8X43X83.3
Contact form		1H	1H	1H(NO auxiliary contacts)
Contact resistance		≤3mΩ(at 150A)	≤0.5mΩ(at 150A)	≤0.3mΩ(at 150A)
Operate voltage		≤75%Un	≤75%Un	≤75%Un
Current rating		150A	150A	150A
Max breaking current		1000A(320VDC)1OPS	1200A(750VDC)1OPS	2000A(1000VDC)1OPS
Max switching voltage		1000VDC	1500VDC	1500VDC
Current durability		switching : 3x10 ³ (450VDC,150A) switching : 1x10 ³ (750VDC,150A)	Switching : 2x10 ³ (450VDC,150A) Switching : 1x10 ³ (800VDC,150A) Switching : 100(1500VDC,150A)	switching : 500 (1000VDC,150A) switching : 50 (1500VDC,150A)
Dielectric Strength	Contact to coil	3000VAC 1min	4000VAC 1min	4000VAC 1min
	Contact to Contact	3000VAC 1min	4000VAC 1min	4000VAC 1min
Mechanical durability		2x10 ⁵	2x10 ⁵	2x10 ⁵
Coil power Consumption	Voltage rating(VDC)	12,24	12,24	12,24
	Power consumption	4.5W	5.8W	Pick up : 46W Hold in : 2.5W
Coil terminal type		Connector	Lead wire	Connector
Load terminal type		M5 internal thread	M4 internal thread	M6 internal thread
Weight (reference)		350g	280g	320g
Vibration		10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²
Humidity		5%~85%RH	5%~85%RH	5%~85%RH
Operating temperature		-40℃~85℃	-40℃~85℃	-40℃~85℃
Dimensions of mounting Holes (mm)				

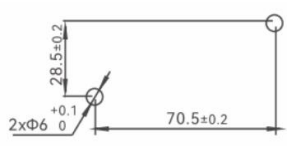
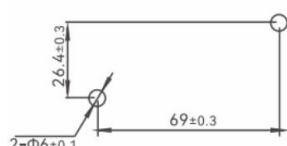
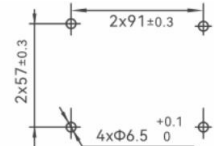
High voltage contactor basic parameter

Product model		HFEVC-TF200	HFEVC-TF200B	HFEVC-TF200P
Image photo for reference				
Dimensions(mm)		95x45x85.1	83.2x39x71.7	88.8x43x83.3
Contact form		1H	1H	1H(NO auxiliary contacts)
Contact resistance		≤2mΩ(at 200A)	≤0.5mΩ(at 200A)	≤0.3mΩ(at 200A)
Operate voltage		≤75%Un	≤75%Un	≤75%Un
Current rating		200A	200A	200A
Max breaking current		2000A(320VDC)1OPS	2000A(450VDC)1OPS	2000A(1000VDC)1OPS
Max switching voltage		1000VDC	1500VDC	1500VDC
Current durability		switching : 3x10 ³ (450VDC,200A) Switching : 1x10 ³ (750VDC,200A)	switching : 500 (800VDC,200A) Switching : 1x10 ³ (450VDC,200A)	switching : 500 (1000VDC,200A) Switching : 50 (1500VDC,200A)
Dielectric Strength	Contact to coil	3000VAC 1min	3000VAC 1min	4000VAC 1min
	Contact to Contact	3000VAC 1min	3000VAC 1min	4000VAC 1min
Mechanical durability		2x10 ⁵	2x10 ⁵	2x10 ⁵
Coil power Consumption	Voltage rating(VDC)	12,24	12,24	12,24
	Power consumption	Pick up : 34W Hold in : 4W	5.8W	Pick up : 46W Hold in : 2.5W
Coil terminal type		Connector	Connector	Connector
Load terminal type		M6 internal thread	M5 internal thread	M5 internal thread
Weight (reference)		500g	330g	320g
Vibration		10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²
Humidity		5%~85%RH	5%~85%RH	5%~85%RH
Operating temperature		-40℃~85℃	-40℃~85℃	-40℃~85℃
Dimensions of mounting Holes (mm)				

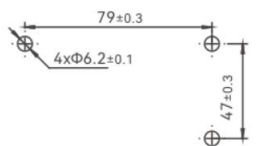
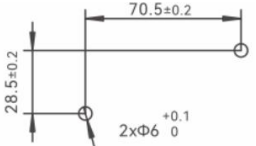
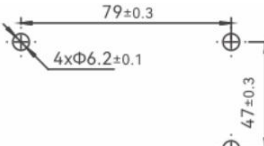
High voltage contactor basic parameter

Product model		HFEVC-TF250B	HFEVC-TF250P	HFEVC-TF300
Image photo for reference				
Dimensions(mm)		88.3x42.5x74.6	88.8x43x83.3	93x65x74.6
Contact form		1H	1H(NO auxiliary contacts)	1H
Contact resistance		≤0.5mΩ(at 250A)	≤0.3mΩ(at 250A)	≤0.5mΩ(at 300A)
Operate voltage		≤75%Un	≤75%Un	≤75%Un
Current rating		250A	250A	300A
Max breaking current		2000A(450VDC)1OPS	2000A(1000VDC)1OPS	2500A(320VDC)1OPS
Max switching voltage		1500VDC	1500VDC	1000VDC
Current durability		switching : 1x10 ³ (450VDC,300A) Switching : 500 (800VDC,250A)	Switching : 500 (1000VDC,250A) Connect : 50 (1500VDC,250A)	Switching : 3x10 ³ (450VDC,300A) Switching : 1x10 ³ (750VDC,300A)
Dielectric Strength	Contact to coil	3000VAC 1min	4000VAC 1min	3000VAC 1min
	Contact to Contact	3000VAC 1min	4000VAC 1min	3000VAC 1min
Mechanical durability		2x10 ⁵	2x10 ⁵	2x10 ⁵
Coil power Consumption	Voltage rating(VDC)	12,24	12,24	12,24
	Power consumption	6W	Pick up : 46W Hold in : 2.5W	Pick up : 45W Hold in : 3.8W
Coil terminal type		Connector	Connector	Connector
Load terminal type		M6 internal thread	M6 internal thread	M6 internal thread
Weight (reference)		360g	320g	700g
Vibration		10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²
Humidity		5%~85%RH	5%~85%RH	5%~85%RH
Operating temperature		-40℃~85℃	-40℃~85℃	-40℃~85℃
Dimensions of mounting Holes (mm)				

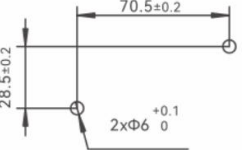
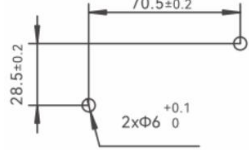
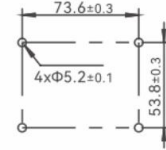
High voltage contactor basic parameter

Product model		HFEVC-TF300B	HFEVC-TF300P	HFEVC-TF350P
Image photo for reference				
Dimensions(mm)		88.3x42.5x74.6	88.8x43x83.3	104x70x107.9
Contact form		1H	1H(NO auxiliary contacts)	1H(NO auxiliary contacts)
Contact resistance		≤0.5mΩ(at 300A)	≤0.3mΩ(at 300A)	≤0.3mΩ(at 350A)
Operate voltage		≤75%Un	≤75%Un	≤75%Un
Current rating		300A	300A	350A
Max breaking current		2000A(450VDC)1OPS	2000A(1000VDC)1OPS	2000A(1000VDC)1OPS
Max switching voltage		1500VDC	1500VDC	1500VDC
Current durability		switching : 1x10 ³ (450VDC,300A) Switching : 500 (800VDC,300A)	switching : 500 (1000VDC,300A) Switching : 50 (1500VDC,300A)	Breaking : 5x10 ³ (1500VDC,100A) Breaking : 3x10 ³ (1500VDC,150A) Breaking : 1x10 ³ (1000VDC,350A)
Dielectric Strength	Contact to coil	3000VAC 1min	4000VAC 1min	4000VAC 1min
	Contact to Contact	3000VAC 1min	4000VAC 1min	4000VAC 1min
Mechanical durability		2x10 ⁵	2x10 ⁵	2x10 ⁵
Coil power Consumption	Voltage rating(VDC)	12,24	12,24	12,24
	Power consumption	6W	Pick up : 46W Hold in : 2.5W	Pick up : 50W Hold in : 5W
Coil terminal type		Connector	Connector	Connector
Load terminal type		M6 internal thread	M6 internal thread	M6 internal thread
Weight (reference)		360g	320g	1150g
Vibration		10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²
Humidity		5%~85%RH	5%~85%RH	5%~85%RH
Operating temperature		-40℃~85℃	-40℃~85℃	-40℃~85℃
Dimensions of mounting Holes (mm)				

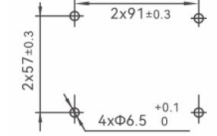
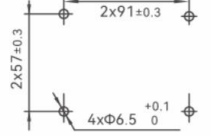
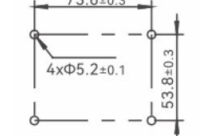
High voltage contactor basic parameter

Product model		HFEVC-TF400	HFEVC-TF400B	HFEVC-TF450
Image photo for reference				
Dimensions(mm)		93x65x74.6	86.1x42.5x85.1	93x65x74.5
Contact form		1H	1H	1H
Contact resistance		≤0.5mΩ(at 400A)	≤0.25mΩ(at 400A)	≤0.5mΩ(at 450A)
Operate voltage		≤75%Un	≤75%Un	≤75%Un
Current rating		400A	400A	450A
Max breaking current		2500A(320VDC)1OPS	2000A(800VDC)1OPS	2500A(320VDC)1OPS
Max switching voltage		1000VDC	1500VDC	1000VDC
Current durability		switching : 2x10 ³ (450VDC,400A) Connect : 1x10 ³ (750VDC,400A)	Breaking : 3x10 ³ (800VDC,200A) Breaking : 100 (1000VDC,400A)	Switching : 2x10 ³ (450VDC,450A) Switching : 1x10 ³ (750VDC,450A)
Dielectric Strength	Contact to coil	3000VAC 1min	3000VAC 1min	3000VAC 1min
	Contact to Contact	3000VAC 1min	3000VAC 1min	3000VAC 1min
Mechanical durability		2x10 ⁵	2x10 ⁵	2x10 ⁵
Coil power Consumption	Voltage rating(VDC)	12,24	12,24	12,24
	Power consumption	Pick up : 45W Hold in : 3.8W	6W	Pick up : 45W Hold in : 3.8W
Coil terminal type		Connector	Connector	Connector
Load terminal type		M6 internal thread	M6 internal thread	M6 internal thread
Weight (reference)		700g	480g	700g
Vibration		10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²
Humidity		5%~85%RH	5%~85%RH	5%~85%RH
Operating temperature		-40℃~85℃	-40℃~85℃	-40℃~85℃
Dimensions of mounting Holes (mm)				

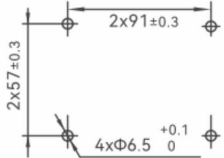
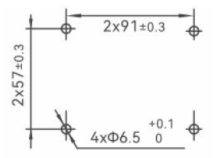
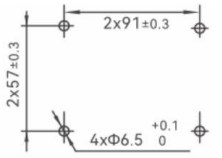
High voltage contactor basic parameter

Product model		HFEVC-TF450B	HFEVC-TF500B	HFEVC-TF600
Image photo for reference				
Dimensions(mm)		86.1X42.5X85.1	86.1X42.5X85.1	146X66.6X132.8
Contact form		1H	1H	1H(NO auxiliary contacts for option)
Contact resistance		≤0.25mΩ(at 450A)	≤0.3mΩ(at 500A)	≤0.2mΩ(at 600A)
Operate voltage		≤75%Un	≤75%Un	≤75%Un
Current rating		450A	500A	600A
Max breaking current		2000A(800VDC)1OPS	2000A(800VDC)1OPS	2500A(800VDC)1OPS
Max switching voltage		1500VDC	1500VDC	1500VDC
Current durability		Breaking : 100 (800VDC,450A) Breaking : 7.5x10 ⁴ (20VDC,140A)	Breaking : 200 (800VDC,500A) Breaking : 7.5x10 ⁴ (20VDC,140A)	switching : 300 (800VDC,600A) Switching : 100 (1000VDC,600A)
Dielectric Strength	Contact to coil	4000VAC 1min	4000VAC 1min	4000VAC 1min
	Contact to Contact	4000VAC 1min	4000VAC 1min	3000VAC 1min
Mechanical durability		2x10 ⁵	2x10 ⁵	2x10 ⁵
Coil power Consumption	Voltage rating(VDC)	12,24	12,24	12,24
	Power consumption	6W	6W	Pick up : 50W Hold in : 10W
Coil terminal type		Connector	Connector	Connector
Load terminal type		M6 internal thread	M6 internal thread	M8 internal thread
Weight (reference)		480g	480g	1160g
Vibration		10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²
Humidity		5%~85%RH	5%~85%RH	5%~85%RH
Operating temperature		-40℃~85℃	-40℃~85℃	-40℃~85℃
Dimensions of mounting Holes (mm)				

High voltage contactor basic parameter

Product model		HFEVC-TF600P	HFEVC-TF600P(Stud type)	HFEVC-TF800
Image photo for reference				
Dimensions(mm)		104x70x107.9	104x70x107.9	146x66.6x132.8
Contact form		1H(NO auxiliary contacts)	1H(NO auxiliary contacts)	1H(NO auxiliary contacts for option)
Contact resistance		≤0.3mΩ(at 600A)	≤0.3mΩ(at 600A)	≤0.2mΩ(at 800A)
Operate voltage		≤75%Un	≤75%Un	≤75%Un
Current rating		600A	600A	800A
Max breaking current		2000A(1000VDC)1OPS	2000A(1000VDC)1OPS	2500A(800VDC)1OPS
Max switching voltage		1500VDC	1500VDC	1500VDC
Current durability		Breaking : 5x10 ³ (1500VDC,100A) Breaking : 1x10 ³ (1500VDC,150A) Breaking : 50(1000VDC,600A)	Breaking : 5x10 ³ (1500VDC,100A) Breaking : 1x10 ³ (1500VDC,150A) Breaking : 50(1000VDC,600A)	Switching : 100 (1000VDC,800A) Switching : 5x10 ⁴ (800VDC,120A)
Dielectric Strength	Contact to coil	4000VAC 1min	4000VAC 1min	4000VAC 1min
	Contact to Contact	4000VAC 1min	4000VAC 1min	4000VAC 1min
Mechanical durability		2x10 ⁵	2x10 ⁵	2x10 ⁵
Coil power Consumption	Voltage rating(VDC)	12,24	12,24	12,24
	Power consumption	Pick up : 50W Hold in : 5W	Pick up : 50W Hold in : 5W	Pick up : 50W Hold in : 10W
Coil terminal type		Connector	Connector	Lead wire
Load terminal type		M8 internal thread	M8 external thread	M10 stud
Weight (reference)		1200g	1200g	1850g
Vibration		10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²
Humidity		5%~85%RH	5%~85%RH	5%~85%RH
Operating temperature		-40℃~85℃	-40℃~85℃	-40℃~85℃
Dimensions of mounting Holes (mm)				

High voltage contactor basic parameter

Product model		HFEVC-TF800P	HFEVC-TF800P(Stud type)	HFEVC-TF1000P
Image photo for reference				
Dimensions(mm)		104x70x107.9	104x70x107.9	104x70x107.9
Contact form		1H(No auxiliary contacts)	1H(No auxiliary contacts)	1H(No auxiliary contacts)
Contact resistance		≤0.3mΩ(at 800A)	≤0.3mΩ(at 800A)	≤0.3mΩ(at 1000A)
Operate voltage		≤75%Un	≤75%Un	≤75%Un
Current rating		800A	800A	1000A
Max breaking current		2000A(1000VDC)1OPS	2000A(1000VDC)1OPS	2000A(1000VDC)1OPS
Max switching voltage		1500VDC	1500VDC	1500VDC
Current durability		switching : 80 (1000VDC,800A) Switching : 50 (1500VDC,750A)	switching : 80 (1000VDC,800A) Switching : 50 (1500VDC,750A)	switching : 50 (750VDC,1000A) Switching : 100 (1500VDC,750A)
Dielectric Strength	Contact to coil	4000VAC 1min	4000VAC 1min	4000VAC 1min
	Contact to Contact	4000VAC 1min	4000VAC 1min	4000VAC 1min
Mechanical durability		2x10 ⁵	2x10 ⁵	2x10 ⁵
Coil power Consumption	Voltage rating(VDC)	12,24	12,24	12,24
	Power consumption	Pick up : 50W Hold in : 5W	Pick up : 50W Hold in : 5W	Pick up : 50W Hold in : 5W
Coil terminal type		Connector	Connector	Connector
Load terminal type		M8 internal thread	M8 external thread	M8 internal thread
Weight (reference)		1200g	1200g	1200g
Vibration		10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²	10Hz ~ 500Hz 49m/S ²
Humidity		5%~85%RH	5%~85%RH	5%~85%RH
Operating temperature		-40℃~85℃	-40℃~85℃	-40℃~85℃
Dimensions of mounting Holes (mm)				

部分配套客户



SOME MATCHING MODELS 部分配套车型

