技术参数 Specifications

电气参数 Ratings:

- ◇最大工作电压
 - Max. Switching Voltage: 1500VDC
- ◇额定电流
- Rated Current: 600A

◇主触点形式 Main Contact Type: 一组常开 SPST-NO

- ◇辅助触点 Auxiliary Contact: 可选配 Optional
- ◇辅助触点形式 Auxiliary Contact Type: 一组常开 SPST-NO
- ◇线圈额定电压 Coil Rated Voltage : 12VDC/24VDC/48VDC
- ◇使用环境温度
- Ambient Operation Temperature : -40°C~+85°C ◇使用环境湿度 Ambient Operation Humidity : 5%~85%RH

认证/标准 Approvals/Standard:

- ◇REACH
- $\Diamond \mathsf{RoHS}$
- ◇UL 60947-4

♦ CCC/CE/CB/S Mark

产品特征 Features&Benefits:

陶瓷密封结构, 腔内充有氢气混合气体, 无电弧泄露风险, 接触电阻低且稳定;

Ceramic sealing structure with H_2 mixed gas filled in the chamber, no risk of arc leakage, low&stable contact resistance;

良好的抗短路能力,确保通过短路电流,触头仍能可靠闭合不斥开,产品不起火不爆炸; High value of short-circuit current withstanding to ensure the contacts can be reliably closed when encountering short-circuit current, contributing to no risk of fire and explosion;

无极性灭弧设计,安装方向不敏感,适用回路双向电流的各种场景,使用安全可靠;

Non-polarity arc extinguishing design that is applicable to a range of scenarios with bidirectional current circuit safely and reliably;

可选配一组常开辅助触点;

A set of NO auxiliary contacts is optional;

能够在85°C环境下持续承载600A电流;

Carrying current 600A continuously at 85°C;

产品型号说明 Product Model:

		<u> </u>									
	HC	F	600	□/	1500	-12	Н	С	2	Н	
公司代码 Company Code											
系列代码 Series Code	F:方形系列 Square S	•									
触点容量(额定电流) Contact Rating(Rated	Current)	600:600	A Contraction								
衍生型号 Derivative Model 负载电压 Load Voltage				l C; 1000:1000\	/DC;						
线圈电压 Coil Voltage	12:12VD0	C; 24:24V	DC; 4	3:48VDC							
主触点形式 Main Contact Type	H: 一组常	开 SPST-	NO								
线圈出线方式 Coil Input Terminal	C : 连接器	Connecto	or								
负载引出端方式 Load Input Terminal	1 : 内螺纹	Internal	Thread	;2: 外螺纹 Exte	ernal Thre	ead					
辅助触点 Auxiliary Contact	无 Nil: 无	辅助触点丨	No Aux	iliary Contact; I	H: 一组常	#开 SPST-NO					
安装形式 Mounting	无 Nil: 立	体安装 Ve	rtical N	lounting							
特性号 Special Code	XXX: 客)	特殊要求	Custo	mer Special Co	ode; 无 l	Nil: 标准型 Sta	ndard				



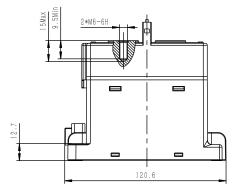
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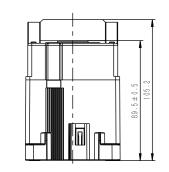


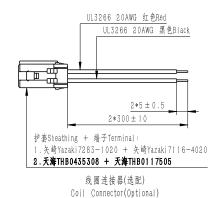
DC CONTACTOR

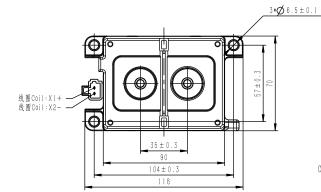
DC CONTACTOR

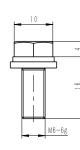
HCF600/D-DHC1



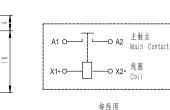








组合螺钉示意(选配) Combination Screw(Optional)



接线图 Coil Wiring Diagram 未注公差 General Tolerance: <10mm:±0.3mm 10~50mm:±0.5mm >50mm:±0.8mm

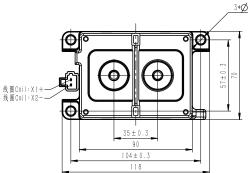
特性参	数 CHARACTI	ERISTIC PARA	AMETERS							
主触点参数	K MAIN CONTACT DAT	A								
最大工作电应 Max . Switch		1500VDC	额定电流 Rated Current			600A				
触点形式 Contact Arra		一组常开 SPST-NO	触点压降 Contact Vo	tage Drop		≤0.12V(at 600A)				
短时承载电ì Limiting Sho	^流 prt-time Current	700A:10min; 1000A:60s	700A:10min; 1000A:60s; 1600A:10s; 3000A:1s							
电寿命(阻1	性负载)	450V 型 Model 800V 型 Model		1000V 型 Model 1500		1500	DV 型 Model			
Electrical Lif	fe (Resistive Load)	600A 450VDC 2000 次 (ops), 仅分断 Only Breaking	(ops),		DA 1000VDC 1000 次 s), ∂断 Only Breaking		A 1500VDC 500 次(ops), 仅分断 Only Breaking A 1500VDC 1000次 (ops), 仅分断 Only Breaking			
Max. Breaking (Resistive Lo	oad)	2000A 1000VDC 1 次(oq	ps);1000A 1500VDC	1 次(ops)						
	阻性负载) reaking (Resistive Load)	1000A 900VDC 100 次(ops)								
	t Current Withstanding	8000A(5ms) 不冒烟、不	「起火 No Smoke or I	Fire						
性能参数(CHARACTERISTIC DAT	A								
介质耐压 Dielectric	主触点与线圈间(初始) Between Main Contacts and Coil (Initial)	≥5000VAC(1min)		绝缘电阻 Insulation	主触点与线圈间(初始) Between Main Contacts and Coil (Initial)		≥1000MΩ(1500VDC)			
Strength	断开主触点间(初始) Between Open Main Contacts (Initial)	≥5000VAC(1min)		Resistance	新开主触点间(初始) Between Open Main Contacts (Initial)		≥1000MΩ(1500VDC)			
耐冲击 Shock	功能性 Functional 强度	20g 半正弦波 Half-Sine Wave 11ms		耐振动 Vibration			5 . 79g (10~2000Hz, 随机 Random)			
Resistance	油度 Destructive	50g 半正弦波 Half-Sine	e Wave 6ms	Resistance	tesistance					
吸合时间 Operate Tim	 19	Max:50ms		机械寿命 Mechanical Life			2*10 ⁵ 次(ops)			
释放时间 Release Tim		Max:30ms		重量 Weight			约 Approx 1300g			
	COIL DATA									
额定电压 Rated Voltag	ge	12VDC		24VDC			48VDC			
吸合电压 Pick-up Voltage		≤9VDC		≤18VDC			≤36VDC			
释放电压 Drop-out Vo	Itage	≥1 . 2VDC		≥2 . 4VDC			≥4.8VDC			
线圈功率 Rated Opera		约 Approx 60W(启动 St 5.4W(保持 Hold)	tart);	约 Approx 5.4W(保持	60W(启动 Start); Hold)		约 Approx 60W(启动 Start); 5.4W(保持 Hold)			
最大允许电应 Max. Allowa		16VDC		32VDC			64VDC			

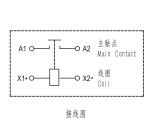
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DC CONTACTOR

HCF600/ - HC2 -2*M8-6g 螺栓高度Bolt Height=15±0.5mm UL3266 20AWG 红色Red UL3266 20AWG 黑色Black (P d $2*5 \pm 0.5$ 89.5 ± 0.5 . 60 2*300±10 护套Sheathing + 端子Terminal: 1 .矢崎Yazaki7283-1020 + 矢崎Yazaki7116-4020 **2 .天海THB043530**8 **+ 天海THB011750**5 r Π 1 线圈连接器(选配) 120.6 Coil Connector(Optional) 3∗Ø6.5±0.1 গ Φ 未注公差 General Tolerance: -O A2 主触点 Main Contact A1 O $< 10 \text{mm} \cdot \pm 0.3 \text{mm}$ Φ 0 10~50mm:±0.5mm

> 50mm: ± 0.8 mm







特性参	数 CHARACTI	ERISTIC PARA	AMETERS							
主触点参数	MAIN CONTACT DAT	A								
最大工作电压 Max . Switching Voltage		1500VDC	额定电流 Rated Current			600A				
触点形式 Contact Arra	<u> </u>	一组常开 SPST-NO	触点压降 Contact Voltage Drop			≪0.12V(at 600A)				
短时承载电流 Limiting Sho	َّدُ rt-time Current	700A:10min; 1000A:60s; 1600A:10s; 3000A:1s								
电寿命(阻图	+ 名 裁)	450V 型 Model	1000V 型 Model 1500			Ⅳ 型 Model				
	e (Resistive Load)	600A 450VDC 2000 次 (ops), 仅分断 Only Breaking 仅分断 Only Break		(ops),			1500VDC 500 次 (ops), 仅分断 Only Breaking 1500VDC 1000 次 (ops), 仅分断 Only Breaking			
Max. Breakir (Resistive Lo	pad)	2000A 1000VDC 1 次(ops);1000A 1500VDC 1 次(ops)								
过载分断(图 Overload Bre	且性负载) eaking (Resistive Load)	1000A 900VDC 100 次(ops)								
耐短路电流 Short Circuit	Current Withstanding	8000A(5ms) 不冒烟、不	「起火 No Smoke or F	ire						
性能参数(CHARACTERISTIC DAT	A								
介质耐压 Dielectric	主触点与线圈间(初始) Between Main Contacts and Coil (Initial)	≥5000VAC(1min)		绝缘电阻 Insulation	主触点与线圈间(初始) Between Main Contacts and Coil (Initial)		≥1000MΩ(1500VDC)			
Strength	断开主触点间(初始) Between Open Main Contacts (Initial)	≥5000VAC(1min)		Resistance	断开主触点间(初始) Between Open Main Contacts (Initial)		≥1000MΩ(1500VDC)			
耐冲击 Shock	功能性 Functional	20g 半正弦波 Half-Sine Wave 11ms		耐振动 Vibration	功能性		5.79g (10~2000Hz, 随机 Random)			
Resistance	强度 Destructive	50g 半正弦波 Half-Sine	e Wave 6ms	Resistance			.			
吸合时间 Operate Tim	e	Max:50ms		机械寿命 Mechanical Life			2*10 ⁵ 次(ops)			
释放时间 Release Tim	e	Max:30ms		重量 Weight			约 Approx 1300g			
线圈参数(COIL DATA									
额定电压 Rated Voltag	je	12VDC		24VDC			48VDC			
吸合电压 Pick-up Voltage		≤9VDC		≤18VDC			≤36VDC			
释放电压 Drop-out Vol	tage	≥1.2VDC		≥2.4VDC			≥4.8VDC			
线圈功率		约 Approx 60W(启动 St	art);	约 Approx 60W(启动 Start);			约 Approx 60W(启动 Start);			
Rated Operating Power 最大允许电压 Max, Allowable Voltage		5.4W(保持 Hold) 16VDC		5.4W(保持 Hold) 32VDC			5.4W(保持 Hold) 64VDC			

HCF600/ - HC1H

12.7

辅助触点Auxiliary Contact 白色White-

线圈Coil:X1+ 线圈Coil:X2-

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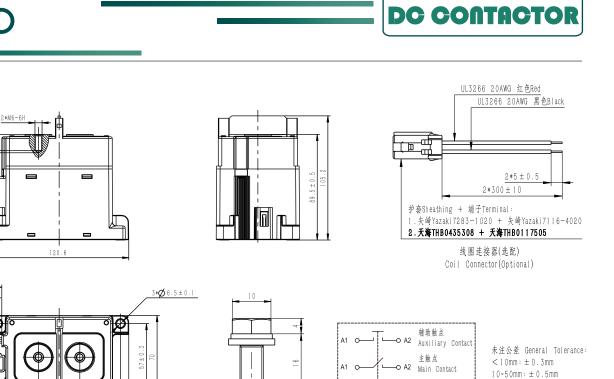
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		118		tion Screw(Opt	ional)	0011 1111	ing Diagram	
	数 CHARACTI		AMETERS					
	T MAIN CONTACT DAT	4		من المراجع				
最大工作电应 Max . Switch		1500VDC		额定电流 Rated Curr	ent		600A	
触点形式 Contact Arra		一组常开 SPST-NO	触点压降 Contact Voltage Drop			≪0.12V(at 600A)		
短时承载电测 Limiting Sho	^充 irt-time Current	700A:10min; 1000A:60s	; 1600A:10s; 3000A:	1s				
电寿命 (阻)	4 色 北)	450V 型 Model	800V 型 Model	10	00V 型 Model	1500	V型 Model	
	e (Resistive Load)	600A 450VDC 2000 次 (ops), 仅分断 Only Breaking 仅分断 Only Break		(ops),			1500VDC 500 次(ops), 仅分断 Only Breaking 1500VDC 1000 次 (ops), 仅分断 Only Breakin	
最大分断电》 Max . Breakin (Resistive Lo		2000A 1000VDC 1 次(op		•				
过载分断(图		1000A 900VDC 100 次(d	ops)					
	t Current Withstanding	8000A(5ms) 不冒烟、不	远起火 No Smoke or F	ire				
性能参数(CHARACTERISTIC DAT	Ā		1				
	主触点与线圈间(初始) Between Main Contacts and Coil (Initial)	≥5000VAC(1min)			主触点与线圈问(初始) Between Main Contacts and Coil (Initial)		≥1000MΩ(1500VDC)	
介质耐压 Dielectric Strength	断开主触点间(初始) Between Open Main Contacts (Initial)	≥5000VAC(1min)		绝缘电阻 Insulation Resistance	断开主触点间(初始) Between Open Main Contacts (Initial)		≥1000MΩ(1500VDC)	
Strength	主触点与辅助触点间(初始) Between Main Contacts and Auxiliary Contact (Initial)	≥5000VAC(1min)		Resistance	主触点与辅助触点问(初始) Between Main Contacts and Auxiliary Contact (Initial)		≥1000MΩ(1500VDC)	
耐冲击 Shock Resistance	功能性 Functional 强度	20g 半正弦波 Half-Sine 50g 半正弦波 Half-Sine		耐振动 Vibration Resistance	功能性 Functional		5 . 79g (10~2000Hz, 随机 Random)	
吸合时间	Destructive	Max:50ms		机械寿命			2*10 ⁵ 次(ops)	
Operate Tim 释放时间		Max:30ms		Mechanica 重量	Lite		约 Approx 1300g	
Release Tim 线				Weight				
额定电压 Rated Voltag		12VDC		24VDC			48VDC	
吸合电压 Pick-up Voltage		≤9VDC		≤18VDC			≤36VDC	
释放电压 Drop-out Voltage		≥1.2VDC	0	≥2.4VDC			≥4.8VDC	
线圈功率 Rated Operating Power		约 Approx 60W(启动 Start); 5.4W(保持 Hold)		约 Approx 60W(启动 Start); 5.4W(保持 Hold)			约 Approx 60W(启动 Start); 5.4W(保持 Hold)	
最大允许电应 Max. Allowa	ble Voltage	16VDC		32VDC			64VDC	
	数 AUXILIARY CONTA	CT DATA		the state of the	see the see			
	ntact Arrangement	一组常开 SPST-NO		辅助触点使 Auxiliary C	.用范围 ontact Range		100mA/8VDC~2A/30VDC	
辅助触点电图 Auxiliary Co	∄ ntact Resistance	≤200mΩ (at 100mA)						

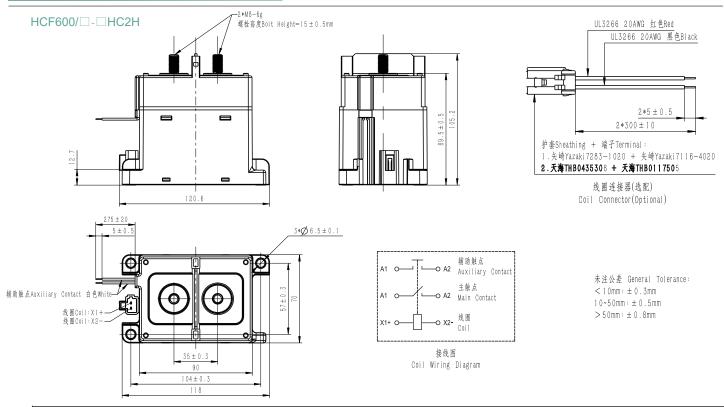
> 50mm: ± 0.8 mm

-o x2- 线圈 Coil

X1+ O

M6-6g

DC CONTACTOR

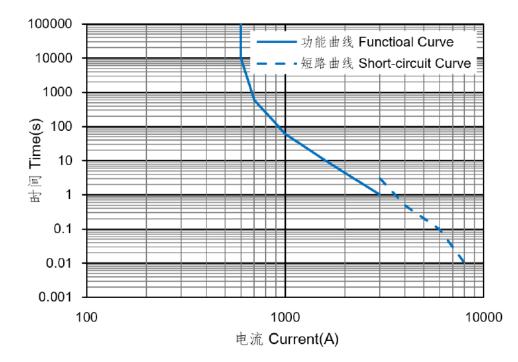


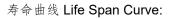
特性参数 CHARACTERISTIC PARAMETERS

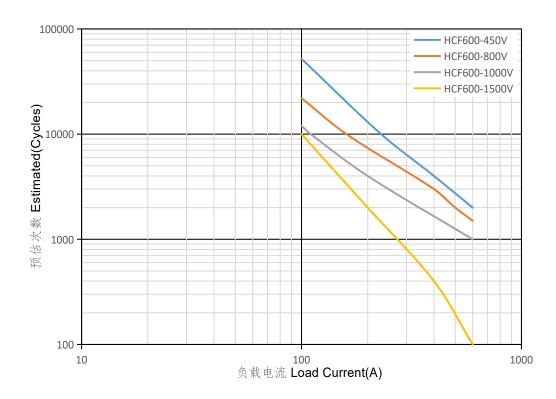
MAIN CONTACT DAT	Ą							
	1500VDC		额定电流				600A	
ing voltage	+							
ngement	一组常开 SPST-NO						≪0.12V(at 600A)	
َرُّ rt-time Current	700A:10min; 1000A:60s	; 1600A:10s; 3000A:	1s		<u> </u>			
生负载)	450V 型 Model 800V 型 Model			1000V 型 Model 1500		1500	₩型 Model	
e (Resistive Load)	600A 450VDC 2000 次 (ops), 仅分断 Only Breaking	(ops), 4004			A 1500VDC 500 次 (ops), 仅分断 Only Breaking A 1500VDC 1000 次 (ops), 仅分断 Only Breaking			
秔(阻性负载) ng Current bad)	2000A 1000VDC 1 次(op	os);1000A 1500VDC	1 次(ops)					
且性负载) eaking (Resistive Load)	1000A 900VDC 100 次(c	ops)						
Current Withstanding	, , , , , , , , , ,	起火 No Smoke or F	Fire					
	A							
Between Main Contacts and Coil (Initial)	≥5000VAC(1min) ≥5000VAC(1min)						≥1000MΩ(1500VDC)	
断开主触点间(初始) Between Open Main Contacts (Initial)			绝缘电阻 Insulation	n	断开主触点间(初始) Between Open Main Contacts (Initial)		≥1000MΩ(1500VDC)	
主触点与辅助触点间(初始) Between Main Contacts and Auxiliary Contact (Initial)	≥5000VAC(1min)		 Resistance 		Between Main Contac	cts	≥1000MΩ(1500VDC)	
功能性 Functional 躍度			Vibration		功能性 Functional		5 . 79g (10~2000Hz, 随机 Random)	
Destructive	50g 半止弦波 Halt-Sine	e Wave 6ms						
e	Max:50ms	Mechanical Life				2*10 ⁵ 次(ops)		
e	Max:30ms	重量 Weight				约 Approx 1300g		
COIL DATA			-					
le	12VDC	24VDC				48VDC		
age	≤9VDC		≤18VDC				≤36VDC	
tage	≥1.2VDC		≥2.4VDC				≥4.8VDC	
ating Power	约 Approx 60W(启动 St 5.4W(保持 Hold)	约 Approx 60W(启动 Start); 5.4W(保持 Hold)				约 Approx 60W(启动 Start); 5.4W(保持 Hold)		
E ble Voltage	16VDC		32VDC				64VDC	
数 AUXILIARY CONTA	CT DATA							
t ntact Arrangement	一组常开 SPST-NO		辅助触点使用范围 Auxiliary Contact Range				100mA/8VDC~2A/30VDC	
1 ntact Resistance	≤200mΩ (at 100mA)							
	ng Voltage ngement rt-time Current totage (Resistive Load) ((Resistive Load)) Current Withstanding (HARACTERISTIC DAT 主触点与线圈问(初始) Between Main Contacts and Coil (Initial) 断开主触点问(初始) Between Open Main Contacts (Initial) 主触点与辅助触点问(初始) Between Main Contacts and Auxiliary Contact (Initial) 功能性 Functional 强度 Destructive e e COIL DATA e age tage ting Power c tact Arrangement	ng Voltage 1500VDC ngement 一组常开 SPST-NO Tettime Current 700A:10min; 1000A:60s tetting Current 600A 450VDC 2000 次 (ops), 仅分断 Only Breaking E (腔性负载) g Current 2000A 1000VDC 1 次 (ops), (口子断 Only Breaking E (腔性负载) g Current 2000A 1000VDC 1 00 次 (ops), (口子断 Only Breaking E (腔性负载) g Current 2000A 1000VDC 100 次 (ops), (口子断 Only Breaking E (腔性负载) g Current Withstanding Current Withstanding Current Withstanding Current Withstanding Current Withstanding E between Main Contacts and Coll (Initial) 断开主触点间(初始) Between Open Main Contacts (Initial) 主触点与辅助触点间(初始) Between Main Contacts and Auxiliary Contact (Initial) 立 5000VAC(1min) E between Main Contacts and Auxiliary Contact (Initial) 立 5000VAC(1min) E between Main Contacts and Auxiliary Contact (Initial) 立 5000VAC(1min) E between Main Contacts and Auxiliary Contact (Initial) Destructive E Max:50ms E Max:30ms COIL DATA Le 12VDC E 12VDC E 12VDC	Ing Voltage 1500VDC Ingement 一組常开 SPST-NO Intervent 700A:10min; 1000A:60s; 1600A:10s; 3000A; Ithe Current 450V 型 Model Ithe Current 800V 型 Model Ithe Current 600A 450VDC 2000 次 (ops), (欠分断 Only Breaking) It (胚性负载) 2000A 1000VDC 100 次 (ops); It (胚性负载) 2000A 1000VDC 100 次 (ops); It (胚性负载) 1000A 900VDC 100 次 (ops); It (胚点 点 刻 圖向(初始) 8000A(5ms) 不冒烟、不起火 No Smoke or I Setween Main Contacts and Coil (Initial) 25000VAC(1min) It 和品 点 与 圖向(初始) ≥5000VAC(1min) Between Main Contacts and Auxiliary Contact (Initial) >5000VAC(1min) It 和品 Contacts and Auxiliary Contact (Initial) ≥5000VAC(1min) It Sub 点 与 細 助魚 点 问(初始) ≥5000VAC(1min) Between Main Contacts and Auxiliary Contact (Initial) ≥5000VAC(1min) It Sub 点 与 細 助魚 点 问(初始) ≥5000VAC(1min) It Sub 点 与 細 助魚 点 问(初始) ≥5000VAC(1min) It Sub 点 与 細 助魚 点 问(初始) ≥5000VAC(1min) It Sub 点 与 細 助魚 点 同(初始) ≥5000VAC(1min) It Sub 点 与 細 助魚 点 同(初始) ≥5000VAC(1min) It Sub 点 与 細 助魚 点 同(初始) ≥5000VAC(1min) It Sub 点 与 細 助魚 点 同(初始) ≥5000VAC(1min) It Sub 点 与 細 助魚 点 同(初始) ≥5000VAC(1min) It Sub 点 与 細 助魚 点 同(初始)<	Ing Voltage 1500VDC 額定电法 Rated C Ingement 一组常开 SPST-NO 融点压率 Contact Interference 700A:10min; 1000A:60s; 1600A:10s; 3000A:1s Image: Contact Interference 700A:10min; 1000A:60s; 1600A:10s; 3000A:1s Image: Contact Interference 600A 450VDC 2000 次 (ops), (x 分 m) Only Breaking 600A 800VDC 1500 次 (ops), (x 分 m) Only Breaking Image: Contact Interference 2000A 1000VDC 1 次 (ops); 1000A 1500VDC 1 次 (ops) 1000A 900VDC 100 次 (ops) Current Withstanding 2000A 1000VDC 1 00 次 (ops) Image: Contacts Interference 8000A(5ms) 不冒烟、不起火 No Smoke or Fire Current Withstanding 25000VAC(1min) Image: Contacts Interference 25000VAC(1min) Image: Contacts Ind Auxiliary Contact 25000VAC(1min) Image: Contacts Ind Auxiliary Contact 200 # III Image: Contacts Image: Contacts Ind Auxiliary Contact 200 # III Image: Contacts Image: Contacts Ind Auxiliary Contact 200 # III Image: Contacts Image: Contacts Ind Auxiliary Contact 200 # III Image: Contacts Image: Contacts Ind Auxiliary Contact 200 # III Image: Contacts Image: Contacts Ind Auxiliary Contact 200 # III Image: Contacts Image: Contacts Ind Auxiliary Contact 200 # I	IsouvDC 額定电流 Rated Current Macha E Current Macha E Contact Volta Contact Volta (cps),	Ing Voltage 1500VDC 解死电流 Rated Current ngement 一想常开 SPST-NO 融点压滞 Contact Voltage Drop the Current 700A:10min; 1000A:60s; 1600A:10s; 3000A:1s 1000V 型 Model 600 A 500VDC 2000 次 (ops), (p / bf Only Breaking 600A 400VDC 100 次 (ops), (p / bf Only Breaking 600A 1000VDC 1 000 次 (ops), (p / bf Only Breaking 600A 1000VDC 1 000 次 (ops), (p / bf Only Breaking 600A 1000VDC 1 次(ops) 12(1) 2000A 1000VDC 1 次(ops); 1000A 1500VDC 1 次(ops) 600A 1000VDC 1 次(ops) 600A 1000VDC 1 次(ops) 2000A 1000VDC 1 次(ops); 1000A 1500VDC 1 次(ops) 1000A 900VDC 100 次(ops) 600A 1000VDC 1 次(ops) Current Withstanding 2000A 1000VDC 100 次(ops) 80000A(5ms) 不冒烟、不起火 No Smoke or Fire PHARACTERISTIC DATA ≥5000VAC(1min) 25000VAC(1min) 8000A(5ms) Between Main Contacts and Coil (Initial) 25000VAC(1min) 8000 Resistance 8000 Resistance Between Main Contacts (Initial) 25000VAC(1min) 8000 Resistance 8000 Resistance 8000 Resistance ge Max:50ms 25000VAC(1min) 8000 Resistance 8000 Resistance 8000 Resistance ge Max:30ms 21 2 VDC 21 2 VDC 18 2 4 2 VD	Instruction 朝東会道、 Rated Current 朝東会道、 Rated Current 1500VDC 福君生のLurrent 花点压降 Contact Votage Drop 14 700A:10min; 1000A:60s; 1600A:10s; 3000A:1s I000V 型 Model 1500 450V 450V 型 Model 800V 型 Model 1000V 型 Model 1500 6 (Resistive Load) 600A 450VDC 2000 次 (ops), (2 / sm Only Breaking 000A 150VDC 1500 次 (ops), (2 / sm Only Breaking 600A 100VDC 1000 次 (ops), (2 / sm Only Breaking 600A 400/Z 1 (Clitté dat) 2000A 1000VDC 1 次(ops); 1000A 900VDC 100 次(ops) Image: Clitte data 600A 1000A 900VDC 100 次(ops) Current Withstanding 8000A(5ms) 不冒湿、不起火 No Smoke or Fire Image: Clitte data Image: Clitte data PHARACTERISTIC DATA 25000VAC(1min) Et& all alloin Resistance Image: Clitte data Image: Clitte data Between Main Contacts and Auxilary Contact (Initial) 25000VAC(1min) Image: Clitte data Image: Clitte data 2 ge 2 gg # 正弦波 Half-Sine Wave films Image: Clitte data Image: Clitte data Image: Clitte data 2 gg 12 VDC 21 VDC 22 4VDC Image: Clitte data Image: Clitte data 2 gg 12 VDC	

DC CONTACTOR

电流承载曲线 Current Carry Curve:









使用注意事项 Caution:

- 1.规格书内的各项性能参数是基于标准测试条件下测得的初始值。 All the performance parameters listed in this specification are deemed as initial value measured under standard testing conditions.
- 2.使用环境温度-40°C~+85°C,湿度5%~85%RH。 Used in environment temperature -40°C~+85°C, humidity 5%~85%RH.
- 3.请避免安装在强磁场(变压器、磁铁周围)或发热物体附近。 Please avoid installing the device near high magnetic fields (eg.transformers or magnetics) or hot objects.
- 4.电寿命试验为阻性负载时的数值,应用在L/R≥1ms的感性负载回路时,请与感性负载并行采取浪涌吸收措施。未采取措施的情况下,可能会成电气寿命下降、发生切断不良。

The electrical life test is performed with resistive load. Therefore, please take surge absorption measures in parallel with inductive load when the device is applied to inductive load circuit with L/R≥1ms. Otherwise, the electrical life is likely to decline, resulting in poor cutting off.

- 5.应用在容性负载回路时,请注意采取预充等措施,建议接触器闭合压差控制在20V以内。如未采取措施,可能会造成触点粘连。 Measures including precharging etc. must be taken if the device is to be applied in capacitive load circuit.It is suggested that the differential pressure be controlled within 20V when the contactor is in closed position. Otherwise, it might lead to contact adhesion.
- 6.接触器的线圈有极性,因此在进行线圈的连接时,请按接线图的指示进行操作。 The coils of the contactor are polarized, so follow the connection schematic when connecting the coils.
- 7.接触器内置单触发脉冲发生电路,请通过快速上升沿(脉冲式供电方式)驱动线圈;接触器接通信号后,约300ms后线圈电流自动切换,请避免间隔不满300ms的重复切换操作。
 The contactor has a built-in one-shot pulse generator circuit, please drive the coil with a quick startup (pulse power supply mode); after the signal enters contactor, automatic coil current switching occurs after approximately 300ms, please avoid repetitive switch in which interval time is less than 300ms.
- 8.请避免在引出端上粘附油脂等异物,建议使用400mm²以上规格导线,否则有可能造成引出端异常发热。 Please avoid adhering such foreign matters as grease etc. on the leading-out terminals. Over 400mm² conductors shall be used. Otherwise, it will casue abnormal heating of leading-out terminals.
- 9.请避免在使用或运输过程中发生撞击或跌落。为保持产品的性能,撞击或跌落后不建议继续使用。 Please avoid collision or falling during use or transportation. In order to maintain the performance of the product, it is not recommended to continue to use it after impact or fall.
- 10. 当产品使用1个及多个导电铜排连接时,请确保导电铜排与触点端面紧密贴合(多个铜排需确保大电流的导电铜排最贴近触点端面,小电流的 导电铜排其次),然后是平垫圈、弹簧垫圈、螺母。不正确的连接顺序可能造成严重过热,参考下图1: When the product is connected with one or more conductive copper bars, please ensure that the conductive busbars closely fit the contact terminal surface (The conductive copper bars with high current must be closet to the contact terminal surface if there are multiple copper bars and then conductive busbars with low current), followed by flat washers, spring washers and screws. Incorrect connection sequence perhaps give rise to severe overheatng. Refer to Figure 1 as follows:
- 11.螺钉安装时,螺纹咬合深度不能过浅,否则有可能导致滑牙松脱,建议咬合深度至少螺纹深度的2/3。 When installing the screws, the thread engagement depth shall not be too shallow, otherwise it may cause the sliding teeth to become loose. It is recommended that the engagement depth be at least 2/3 of the thread depth.
- 12.为防止出现松动,接触器安装时请使用垫圈螺钉锁紧,各部位的螺钉锁紧扭矩请控制在以下范围: To prevent looseness, the contactor shall be locked with washer screws during installation, and the screw locking torque of each part shall be controlled within the following range:

	主负载的	安装部位	接触器壳体安装部位(图2) Contactor she ll installation department (figure 2)				
	Main loading i	nstallation part					
安装方式	扭矩要求	铜排孔径	铜排厚度	安装方式	扭矩要求	底板孔径	
Installation	Torque	Diameter of	Busbar	Installation	Torque	Diameter of	
method	requirements	busbar	thickness	method	requirements	baseboard	
M8螺母 Nut	9N•m~10N•m	Ø8mm~Ø8.5mm	≥4mm	M6螺钉 Screw	6N·m~8N·m	M6	
M6螺钉 Screw	6N m~8N m	Ø6mm~Ø6.5mm	≥4mm	INIO 练行 SCREW	יווי∼ווי∼ווייווס	IVIO	

