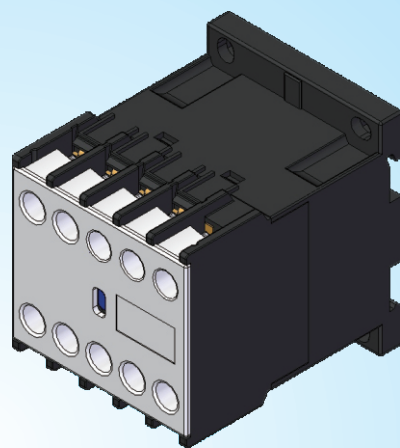


# GSC3-06E/09E系列交流接触器

GSC3-06E/09E Series AC Contactor

——控制电器产品名录 2014

安全 智能 灵动



CE UL CCC TÜV CB RoHS

ISO9001 ISO14001 OHSAS18001

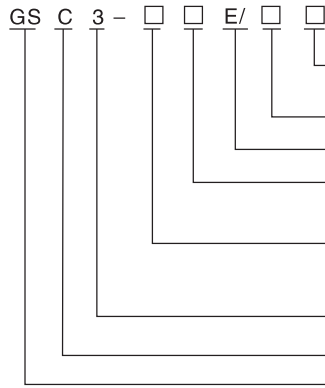
## 用途 APPLICATION

GSC3-06E/09E系列交流接触器(以下简称接触器)适用于交流50Hz(或60Hz),额定绝缘电压为690V,在AC-3使用类别下额定工作电压为380V时额定工作电流至9A的电路中,供远距离接通、分断电路及频繁起动、控制交流电动机。接触器与适当的热过载继电器组合,可保护可能发生过负荷的电路。

GSC3-06E/09E series AC contactor is used in AC 50Hz(or 60Hz), rated insulation voltage is up to 690V, and rated current is up to 9A under rated voltage 380V and AC-3, for long distance frequency starter, making and breaking circuit and control AC motor. It can be added auxiliary contact arrangement and hot relay arrangement, protecting overload circuit.

## 型号及含义 TYPE AND MEANS

### ■ 型号及含义 type and means



湿热带产品代号: TH Humid Tropics product code: TH  
船用产品代号“C”; Marine products code-named "C";  
线圈电压规格(见表1) Coil voltage specifications (see table1)  
结构形式代号 Structure in the form of code  
辅助触头代号 auxiliary contact code  
10为1常开 10, said open 01为1常闭 01, said closed  
产品规格代号,用380V、AC-3条件下的Ie值表示  
The basic specifications, code-named, 380V, AC-3 under the conditions of use value of Ie said that the figures  
设计序号 Design serial number  
交流接触器 AC contactor  
企业代号 Enterprises code

### ■ 线圈电压规格 coil voltage character

表(table)1

型号 Type	电源频率 Power frequency (Hz)	线圈电压规格(V) coil voltage						
		12	24	36	48	110	220	380
GSC3-06E/09E	50	/	/	C	/	/	/	Q
	50/60	J7	B7	/	E7	F7	M7	/

## 结构特点 STRUCTURE FEATURE

- △ 产品体积小 The product volume is small;
- △ 动作可靠性高 High operating reliability;
- △ 外观新颖 New appearance of the product;
- △ 适用范围广 Wide range of applications.

## 工作条件和安装条件 WORKING AND INSTALLATION CONDITION

- △ 周围空气温度-25℃ ~ +60℃; Ambient temperature: -25℃ ~ +60℃;
- △ 安装地点海拔不超过3000m; Elevation ≤ 3000m;
- △ 温度大于等于+40℃时,空气的相对湿度不超过50%,在较低温度下可允许有较高的相对湿度,在20℃可达90%。对于温度变化偶尔产生的凝露现象,应采取特殊的措施。

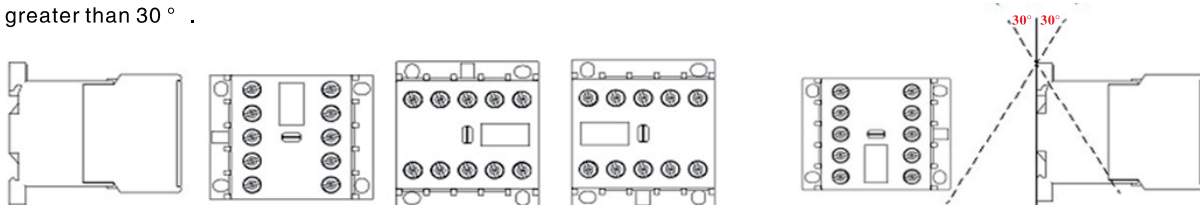
Relative humidity is not exceeding 50% at the maximum ambient temperature +40℃. With lower temperature, higher humidity would be permitted, such as, humidity is up to 90% at the ambient temperature 20℃. Should give consideration to the dews, which would appear due to temperature change;

- △ 安装类别为“安装类别III”; Installation categories: class III;
- △ 污染等级为“污染等级3”; Pollution grade: Grade 3;
- △ 除用螺钉安装外,还可采用35mm标准卡轨安装;

Installation way: mounted by screw or 35mm standard rail track;

- △ 安装角度:接触器可在正常的安装平面旋转90°、180°,安装倾斜度不大于30°。

Mounting angle: contactors may be in the normal installation plane rotation of 90°, 180°, installation the tilt of not greater than 30°.



## 产品规格 CHARACTER

表(Table)2

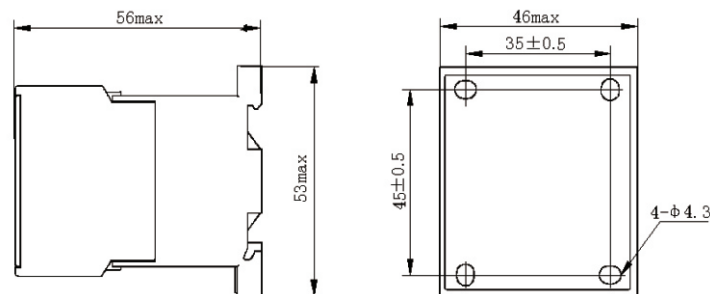
型号规格 Type	额定工作电流 (A) (380V) Rated working current	AC-3使用类别 Using type				触头数量 Contact volume
		控制功率 (Kw) Control power				
		220V	380V/415V	440V/500V	660V	
GSC3-06E	6	1.5	2.2	3	3	3P+1NC 3P+1NO
GSC3-09E	9	2.2	4	4	4	

## 主要技术参数 MAIN TECHNICAL PARAMETERS

表(Table)3

参数 parameters		型号 type	GSC3-06E	GSC3-09E
AC-3使用类别下额定工作电流 Rated working current in usingtype Ie ( A )		380 V	6	9
		660 V	5	7.5
约定发热电流Ith (A) Conventional thermal current			16	16
额定工作电压Ue (V) Rated working voltage			380	660
额定绝缘电压Ui (V) Rated insulation voltage			690	
AC-3 ( 6Ie, Ie )	电寿命 ( 次 ) Life span of trip		0.3 × 10 <sup>6</sup>	
	操作频率 ( 次 h <sup>-1</sup> ) Operation frequency Hz		1200	
AC-4 ( 6Ie, 6Ie )	电寿命 ( 次 ) Life span of trip		10 × 10 <sup>4</sup>	
	操作频率 ( 次 h <sup>-1</sup> ) Operation frequency Hz		300	
机械寿命 ( 次 ) Machinery life trip			3 × 10 <sup>6</sup>	
辅助触头 Auxiliary contact	约定发热电流 Ith conventional thermal current		6 A	
	电寿命 ( 次 ) Electric life span of trip no.	AC-15 ( 360VA )	0.5 × 10 <sup>6</sup>	
		DC-13 ( 33W )		
线圈参数 coil	额定控制电压 ( Us ) V Rated control voltage		AC: 12、24、48、110、220、380	
	吸合电压 pull voltage		0.80 Us ~ 1.10 Us	
	释放电压 release voltage		0.20 Us ~ 0.70 Us	
	吸合功率(VA) pull power		40	
	保持功率(VA)/功耗(VW) contain power/power release		4/1.2W	

## 外型及安装尺寸 OUTLINE AND MOUNTING DIMENSIONS

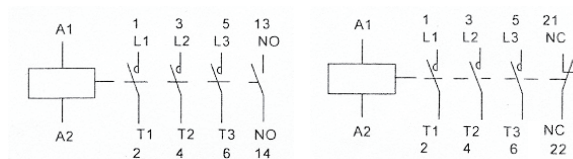


## 接线图 WIRING PICTURE

■ 接线端子连接导线的能力 ( 见表4 )

Connect lead capacity of wiring terminal (as following table 4)

表(Table)4



螺钉连接 Screw connection	
无冷压端头 No cold press terminal	1 × 0.75mm <sup>2</sup> ~ 2 × 2.5mm <sup>2</sup>
有冷压端头 Have cold press terminal	2 × 1mm <sup>2</sup> ~ 1 × 2.5mm <sup>2</sup>

## 注意事项 NOTICE

产品经出厂检查合格后，使用过程中不能随意打开。  
It is not allowed to open freely the product by user.

## 订货须知 ORDER NOTICE

■ 订货时应指明(Order notice):

△ 接触器的全型号及名称、接线型式、控制线圈的频率及电压，订货数量。

Entitle type and name of contactor, wiring way, frequency and voltage of control of control coil, order volume.

例：GSC3-0610E/M7交流接触器 220V 50Hz/60Hz 10台。

Example: GSC3-0610E/M7 AC contactor , 220V 50Hz/60Hz 10 sets.

表示为6A交流接触器，有一常开辅助触头，控制电源电压的频率为50Hz/60Hz，电压为220V，订货数量为10台。

Means need 6A AC contactor, expressed as a normally open auxiliary contact control supply voltage

Frequency 50Hz/60Hz, voltage is 220V, the Number of orders for 10 units.

△ 若需要特殊电压及TH产品可特殊订货。

If need special voltage or TH product, please specially customize.