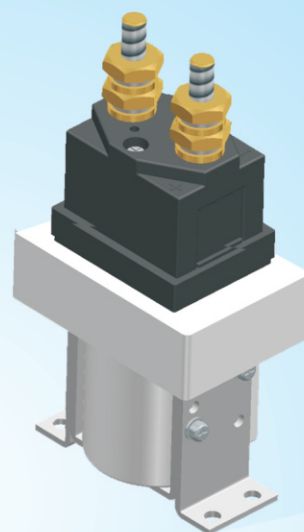


GSZ5-400系列直流接触器

GSZ5-400 Series D.C. Contactor

——控制电器产品名录 2014

安全 智能 灵动



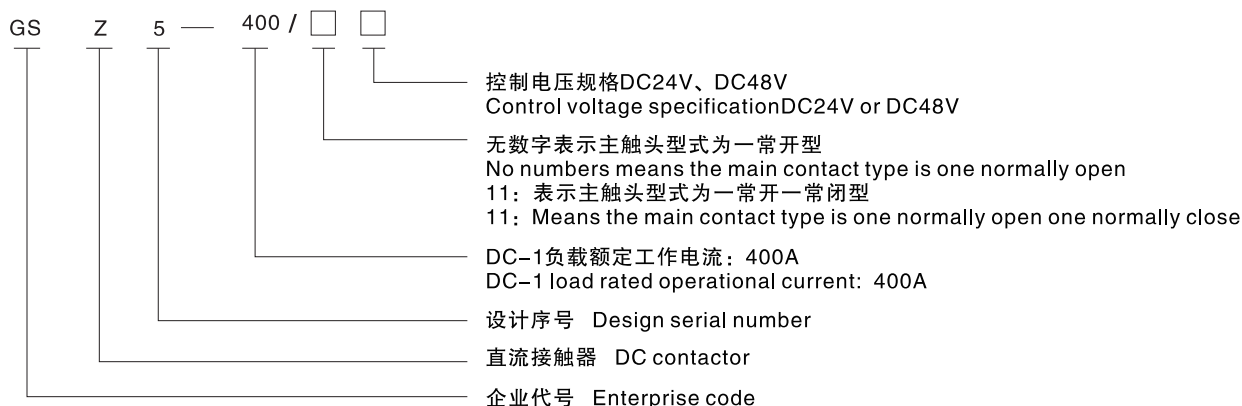
CE UL CCC TÜV CB RoHS
ISO9001 ISO14001 OHSAS18001

用途 APPLICATION

GSZ5-400系列直流接触器主要适用于高压变频器中旁路和隔离主电路系统，也适用于蓄电池车辆，如：电动叉车、牵引机车的起动和停止，电信、计算机等领域的电源切换及不间断电源系统。

GSZ5-400 series D.C. contactor is mainly used for high voltage converter bypass and isolation main circuit system, and also apply to battery vehicles, such as starter and stop of motor forklifts and traction engines and power switching and the uninterruptible power supply system of telecommunications and computer fields.

型号及含义 TYPE AND MEANING



结构特点 STRUCTURE FEATURE

- △ 动作机构为直动式，触头为双断点；
Action agency is directly operated type, contact is double breakpoints bridge type contact;
- △ 线圈封装结构，线圈采用耐高温高压硅橡胶的电线为软引线，有效的实现主电路与控制电路的隔离；
Coil package structure, coil's soft lead is autoclavable silicone rubber wire, effective to achieve the isolation of the main circuit and control circuit;
- △ 触头系统采用耐高温、高压环氧与陶瓷绝缘材料，稳定可靠；
Contact system using a high-temperature, high-pressure epoxy and ceramic insulating material, stable and reliable;
- △ 控制线圈低功耗、节能、耐久可靠。
Control coil low-power, energy-saving, durable and reliable.

工作条件及安装条件 WORKING AND INSTALLATION CONDITION

- △ 环境温度：-25~+40℃，24h平均值不超过+35℃；
Ambient air temperature is -25~+40℃, average temperature is less than +35℃ in 24h;
- △ 相对湿度：温度为+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%。对由于温度变化偶尔产生的凝露现象应采取特殊的措施；
When temperature is +40℃, relative air humidity is not exceeding 85%, with lower temperature higher relative humidity will be permitted, up to 90% at 20℃. By the temperature change to occasionally produce dews, should take special measure;
- △ 固定处的振动频率：1~50Hz(频率1~10Hz, 振幅25/f; 频率10~50Hz, 振幅250/f²)；
Vibration frequency at fixed place: 1~50Hz(1~10Hz frequency, amplitude 25/f; 10~50Hz frequency, amplitude 250/f²);
- △ 冲击加速度：30m/s²；
Impact acceleration: 30m/s²;
- △ 安装方向：任意；
Installation direction: free;
- △ 安装方式：螺钉安装；
Installation way: by screw;
- △ 适用工作制：不间断工作制 (DC-1)、断续周期工作制。
Applicable duty: uninterrupted duty (DC-1), intermittent periodic duty-type.

主要技术参数 MAIN TECHNICAL PARAMETERS

- △ 产品技术参数 Product technical parameters

型 号 规 格 Model Specification		GSZ5-400	GSZ5-400/11
主触头形式 Main contact form	GSZ5-400	1NO	
	GSZ5-400/11	1NO+1NC	
额定工作电流 DC-1 (Ie) Rated work current DC-1 (Ie)		400A	
约定发热电流 (Ith) Conventional thermal current (Ith)		400A	
额定绝缘电压 (Ui) Rated insulation voltage (Ui)		1000V	
主触头接触电阻 (mΩ) Contact resistance of the main contacts (mΩ)		≤0.6mΩ	
额定工作电压 (Ue) Rated work voltage (Ue)		DC-1、DC48V (产品触头带电动作场合) DC-1、DC48V (product contact charged action occasion)	
		AC-20、AC690V (产品触头不带电动作场合) AC-20、AC690V (product contact uncharged action occasion)	
操作频率 (次/小时) Operating frequency (times/hour)		90	
介质耐压 Dielectric withstanding voltage	线圈-主触头系统 coil – main contact system	AC (工频 Power frequency) 25000V/1min	无击穿或闪络现象， 且泄露电流 ≤5mA No breakdown or flashover, and Leakage current ≤5mA
	主触头进出线之间 between main contact inlet and outlet	AC (工频 Power frequency) 6000V/1min	
	线圈-地 Coil – ground	AC (工频 Power frequency) 2500V/1min	
	主触头-地 main contact – ground	AC (工频 Power frequency) 25000V/1min	
温升 temperature rise	线圈 (额定控制电压下) coil(at rated control voltage)	≤85K	
	接线端子 (额定工作电流下) terminals (at rated curren)	≤65K	
	外壳 Shell	< 50K	
电寿命 (次) Electrical life span (times)		>10000	
机械寿命 (次) Mechanical life span (times)		>100000	

△ 线圈参数 (在20℃下) coil parameters(at 20 ℃)

额定电压Us (V) Rated work voltage	保持电流 (A) Holding current	吸合电压 (V) Pull voltage	释放电压 (V) Release voltage
12	≤1.0	5.4-9.6	1.2-4.8
24	≤0.6	10.8-19.2	2.4-9.6
48	≤0.3	21.6-38.4	4.8-19.2

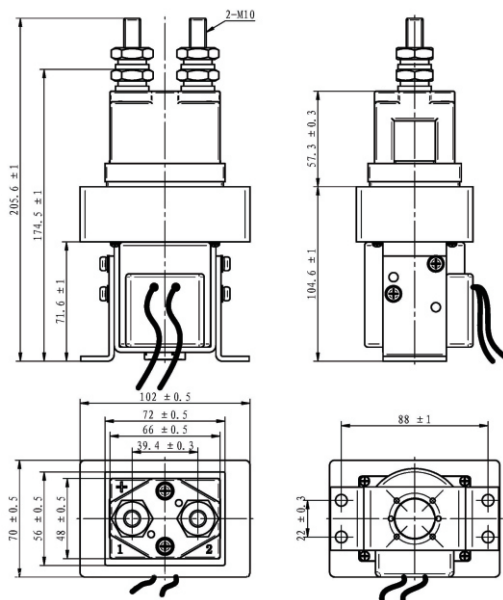
- 1、可根据客户要求特殊定做其他线圈电压规格产品；
Special customized other coil voltage specification products according to customer's requirements;
- 2、线圈电源电压波动范围 (最高环境温度40℃) : 85%-110%Us;
Coil supply voltage fluctuation range (maximum ambient temperature 40℃): 85%-110%Us;
- 3、以上数据为产品卧式安装的数据。
Above data for product horizontal installation data.

外形及安装尺寸

OUTLINE DIMENSIONS AND MOUNTING DIMENSIONS

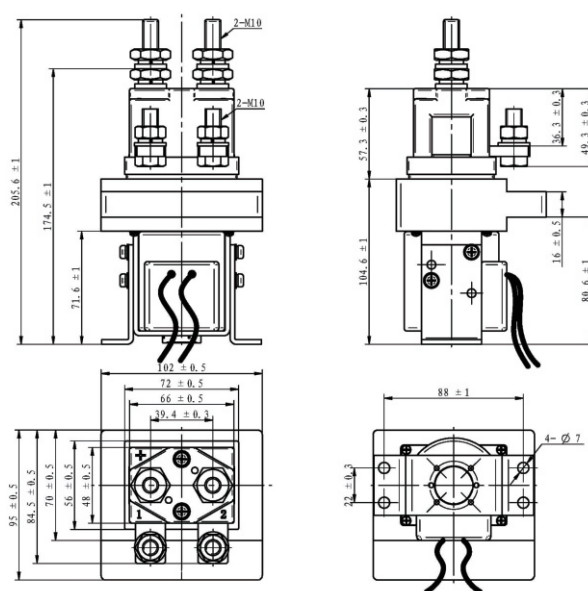
△ GSZ5-400 外形、安装尺寸

outline dimensions and mounting dimensions



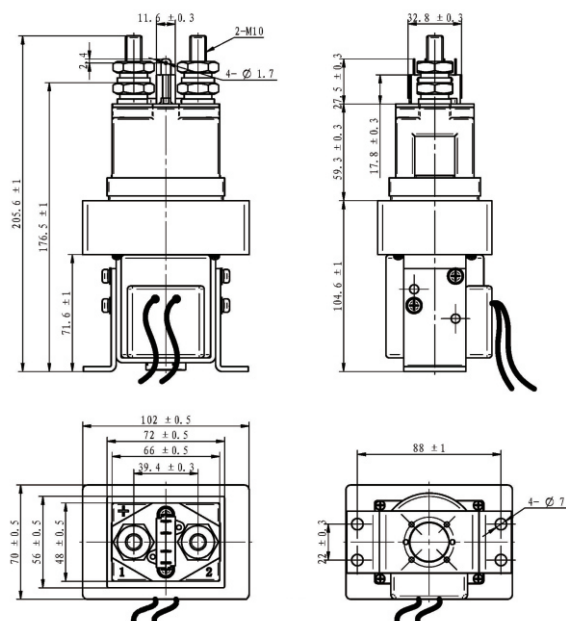
△ GSZ5-400/11 外形、安装尺寸

outline dimensions and mounting dimensions



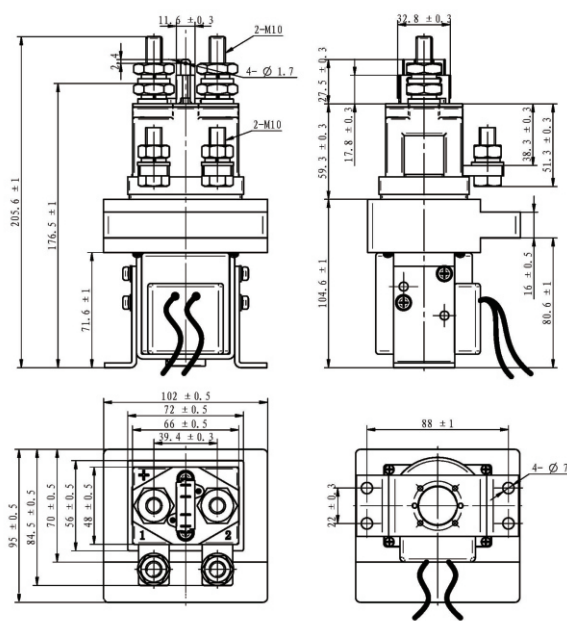
△ GSZ5-400+F4-11 外形、安装尺寸

outline dimensions and mounting dimensions



△ GSZ5-400/11+F4-11 外形、安装尺寸

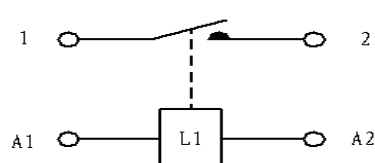
outline dimensions and mounting dimensions



接线图 WIRING PICTURE

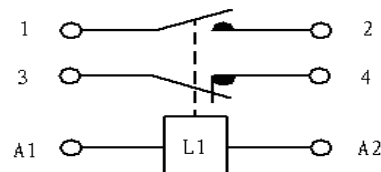
△ GSZ5-400 接线图

GSZ5-400 wiring picture



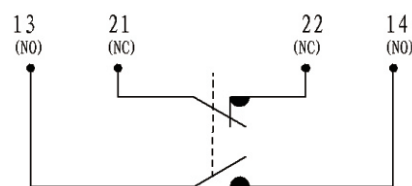
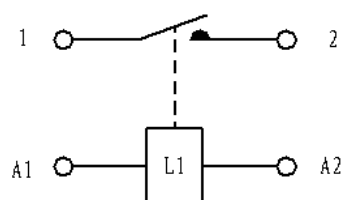
△ GSZ5-400/11 接线图

GSZ5-400/11 wiring picture



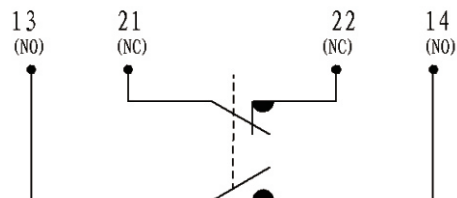
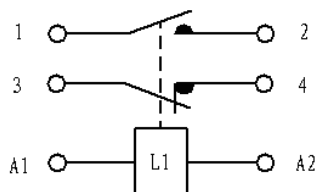
△ GSZ5-400+F4-11 接线图 及辅助触头组接线图

GSZ5-400+F4-11 wiring picture and auxiliary contact group wiring picture



△ GSZ5-400/11+F4-11 接线图 及辅助触头组接线图

GSZ5-400/11+F4-11 wiring picture and auxiliary contact group wiring picture



订货须知 ORDER REMARK

■ 订货时需注明:

When placing an order please clearly the following content:

△ 接触器的全型号及名称;

Full type and name of the contactor;

△ 控制线圈的电压规格;

Control coil voltage specification;

△ 订购数量。

Order quantity.

例如:

For example:

△ GSZ5-400/11 DC48V +F4-11 100台

GSZ5-400/11 DC48V +F4-11 100sets

表示主触头为一常开一常闭, DC-1负载额定工作电流为400A,线圈电压为DC48V, 加装辅助触头组, 订货 数量为100台。

Means main contact is one open and one closed, DC-1 load rated current is 400A, coil voltage is DC48V, add auxiliary contacts, quantity is 100 sets.