



GSJ3系列接触器式继电器 GSJ3 Range Contactor Type Relay

一、用途 APPLICATION

GSJ3系列接触器式继电器（以下简称继电器）主要用于额定绝缘电压690V，约定发热电流不大于10A，交流50Hz（或60 Hz）额定工作电压至660V及直流额定工作电压至400V的控制电路中，作控制各种电磁线圈，使信号放大或传递之用。

GSJ3 range contactor type relay is used in rated insulation voltage 690V, arrange of generate heat current is up to 10A in AC 50Hz (or 60Hz), rated voltage up to 660V or DC voltage up to 400V circuit, for control variety electromagnetic coil, expanding or transmission signal.

二、型号及含义 TYPE AND MEANS



表(Table)1

电源 频率 power frequency	线圈电压V coil voltage					
	24	36	48	110	220	380
50 Hz/60 Hz	B7	C7	E7	F7	M7	Q7

三、结构特点 STRUCTURE FEATURE

- △ 触头为双断点，动作机构为直动式；
Direction-moving, double breaking contact terminal;
- △ 触头形式分两种：5常开；3常开 2常闭；
- △ 三层接线方式，触头分两层，控制线圈端子分层布置，使用方便；继电器的顶部可加挂辅助触头组F3-X（或F3-d），和空气延时头SK4-d，侧面可加装辅助触头组F3-X1（或F3-d1）线圈端面可加装过电压抑制器等功能模块；
Can add installation F3-X (or F3-d) or air time-delay SK4-d on above; both sides can be fixed auxiliary contact arrangement F3-X1 (or F3-d1);
- △ 产品结构紧凑，防尘性能强，外观呈流线形设计，美观大方。
Products, compact, dust-proof performance, streamline appearance was designed to look generous.

四、工作条件和安装条件 WORKING AND INSTALLATION CONDITION

- △ 周围空气温度-5℃~+40℃,且24h内的平均温度值不超过+35℃。
Ambient temperature: -5℃~+40℃, average temperature ≤+35℃ in 24H
- △ 安装地点的海拔不超过2000m。 Elevation≤2000m;
- △ 最高温度为+40℃时，空气的相对湿度不超过50%，在较低的温度下可以允许有较高的相对湿度，例如20℃时达90%。对由于温度变化偶尔产生的凝露应采取

特殊的措施。

Not exceeding 50% at the maximum ambient temperature +40°C. With lower temperature, higher humidity would be permitted, such as, humidity up to 90% at the ambient temperature 20°C. Should give consideration to the dews on the goods surface, which would appear due to temperature change;

- △ 污染等级为3。 Pollution grade: Grade 3;
- △ 安装类别为安装类别Ⅲ。 Installing grade: class Ⅲ;
- △ 安装面与垂直面的倾斜度不大于 $\pm 25^\circ$ ； The tilt and swing gradient $\leq 25^\circ$
- △ 继电器可采用螺钉安装或用TH35-7.5型标准安装轨安装。

Mounting way: mounted on screw or with TH3.5-7.5 standard rail;

五、规格 CHARACTER

表2 继电器的规格及触头数量

Table 2 specifications of the relay and the number of contact

表(Table)2

规格 type	触头数量 Contact capacity	
	常开 (NO)	常闭 (NC)
GSJ3-50	5	0
GSJ3-32	3	2

六、主要技术参数 MAIN TECHNICAL PARAMETERS

表(Table)3

参数parameters	型号 type	GSJ3
符合标准 standard		IEC60947-5 GB14048.5
额定绝缘电压 U_i (V) Rated insulation voltage		690
额定工作电压 (U_e) V Rated work voltage		AC380 DC220
约定自由空气发热电流 (I_{th}) A Free hot air current agreement		10
额定工作电流 I_e A Rated working current	AC-15 (380V)	1.90
	DC-13 (220V)	0.27
可接通最小负载 (可靠工作) Can be connected to the minimum load (and reliable work)		24V 10mA
额定操作频率 次/时 Rated operating frequency / time		1200
机械寿命 10^6 次 Machinery life span of trip times		8.0×10^6
电寿命 Life span		1.0×10^6
绝缘电阻 $M \Omega$ Insulation resistance $M \Omega$		10
耐压 Pressure (AC)		2500V 1min
线圈参数 Coil parameters	额定控制电源电压 (U_s) V Rated control supply voltage (Us) V	24、36、48 110、220、380
	吸合电压 pull voltage	$0.85 \sim 1.1 U_s$
	释放电压 release voltage	$0.2 \sim 0.75 U_s$
	吸合功率 Pull-in power	70VA
	保护功率/功耗 Protection of power / power consumption	8VA
接线能力 mm^2 cable capacity	软线、硬线 (控制回路) Soft line, hard-line (control circuit)	1根或2根 1 or 2
	软线、硬线 (触头回路) Soft line, hard line (contact loop)	1根或2根 1 or 2

七、外型与安装尺寸 OUTLINE AND MOUNTING SIZE

△ 继电器及挂接附件的外形尺寸、安装尺寸如表4及图1。

outline and mounting size of contactor and annex see table 4 and picture 1

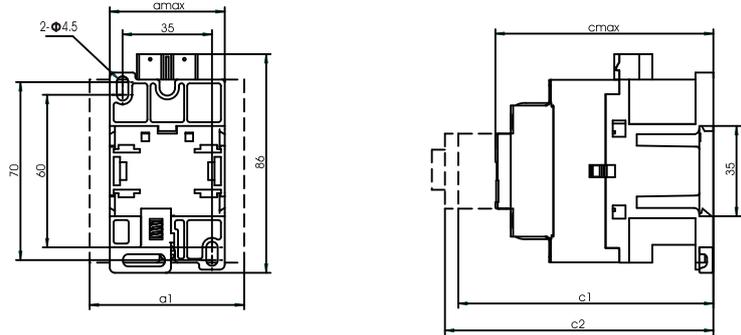


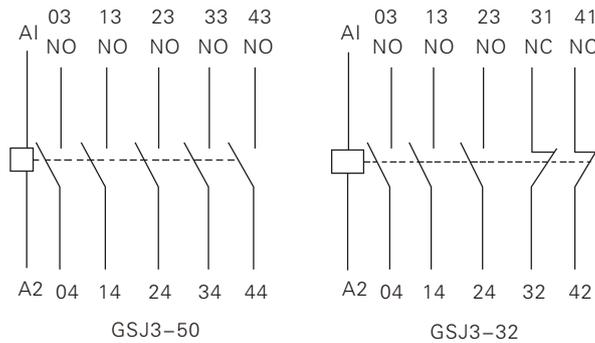
图1 外形尺寸与安装尺寸
picture 1 outline and mounting size

表(Table)4

C1: GSJ3+F3-X (或F3-d)
C2: GSJ3+SK4-d
a1: GSJ3+F3-X1 (或F3-d1)

继电器	amax	cmax	a1	C1	C2
GSJ3	47	88	75	121	140

八、接线图 WIRING PICTURE



九、订货须知 ORDER NOTICE

■ 订货时必须指明下列事项: in order need attention following:

- △ 继电器的全型号和名称; Entitle type of contactor;
- △ 控制线圈的频率和电压; Frequency and voltage of control coil;
- △ 订货数量 order volume

例如: GSJ3-50接触器式继电器AC50/60Hz 220V

Example: GSJ3-50 contactor way relay AC 50Hz/60Hz 220V

- △ 额定控制电源电压未列入表1的规格, 如用户需要可特殊订货。

Special rated control voltage character product, can special customize if need.