



GSTR1-E系列电子式时间继电器

GSTR1-E Range Electrical Time Relay

一、用途 APPLICATION

GSTR1-E系列电子式时间继电器是一种新颖的时间继电器，它除了具有延时精度高、延时范围宽等其它产品所共有的特点外还可与接触器挂接使用，既可节省配电空间，又节约导线。在一般配电路中可替代空气式延时头。它适合在交流50Hz或60Hz电压至240V或直流至110V的控制电路中作时间控制元件，按预定时间接通或分断电路。

产品符合GB/T14048.1、GB14048.5标准,可与国内外同类产品互换使用。

GSTR1-E range electrical time relay is a new time relay, in addition to its high time-delay accuracy、wide time-delay range same as other products' feature, can used combination with contactor, can save distribution room, save lead and can replace air time-delay terminal in general distribution circuit. Adapt in AC 50Hz or 60Hz, voltage up to 240V or DC 110V control circuit, for time control components, according to the scheduled time making or breaking circuit.

Products meet GB/T14048.1、GB14048.5 standard, and interchange using with similar home and abroad products.

二、型号及含义 TYPE AND MEANS



△ 控制电源电压代号 control power voltage code 表(Table)1

控制电源电压 control power voltage		24V	48V	110V	220V	380V
代号code	AC	B	E	F	M	Q
	DC	BZ	EZ	FZ	MZ	-

△ 延时方式和延时范围代号 Time-delay way and Time-delay area code 表(Table)2

延时方式 Time-delay way	延时方式代号 Time-delay way code	延时范围 Time-delay area	延时范围代号 Time-delay area code
通电延时 Making time-delay	A	0.1S~3S	20
		2S~30S	22
		15S~180S	24
		30S~300S	26
断电延时 Breaking time-delay	F	0.1S~3S	20
		2S~30S	22
		15S~180S	24

三、结构特点 STRUCTURE FEATURE

- △ 触头为单断点，拍合式瞬时动作；
Single breaking point contact, shoot freestyle instantaneous action;
- △ 触头为防护式,防护等级IP20; Protection contact, protect grade IP20;
- △ 继电器可与接触器挂接使用，也可用于卡轨或螺钉安装使用；
Relay can used hung connecting with contactor; also can installation by rail track or screw
- △ 产品上方有时间调节旋钮，通电指示灯,断电指示灯；
With time adjusting button above in the product, making shower, breaking shower;
- △ 接线为组合螺钉式，可连接0.5mm²-1.5 mm²软硬线一至二根；
Wiring is combination screw type, can connect 1~2, 0.5mm²-1.5 mm² soft or hard wires;
- △ 产品机芯延时电路由集成电路控制，保证延时精度和可靠性；
IC circuit control product core time-delay circuit, ensure accuracy and reliability of time-delay

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

- △ 周围空气温度-5℃ ~ +40℃；
Ambient temperature: -5℃ ~ +40℃
- △ 周围空气温度24小时的平均值不超过+35℃；
Ambient temperature average value ≤ +35℃
- △ 安装地点的海拔高度不超过2000m；
Elevation ≤ 2000m
- △ 空气的相对湿度在周围空气温度为+40℃时不超过50%，在较低温度下可以允许有较高的相对湿度，例如+20℃时,相对湿度不大于90%。由于温度变化偶尔产生的产品表面的凝露应采取特殊的措施；
Not exceeding 50% at the maximum ambient temperature +40℃. With lower temperature, higher humidity would be permitted, such as, humidity up to 90% at the ambient temperature 20℃. Should give consideration to the dews on the goods surface, which would appear due to temperature change;
- △ 污染等级：“污染等级3”；Pollution grade: Grade 3.
- △ 安装类别为“安装类别Ⅱ”；Installation categories: class II；
- △ 安装方式：挂接式，卡轨或螺钉安装式。
Installation way: mounted by hung connect way、 rail track way or screw way.

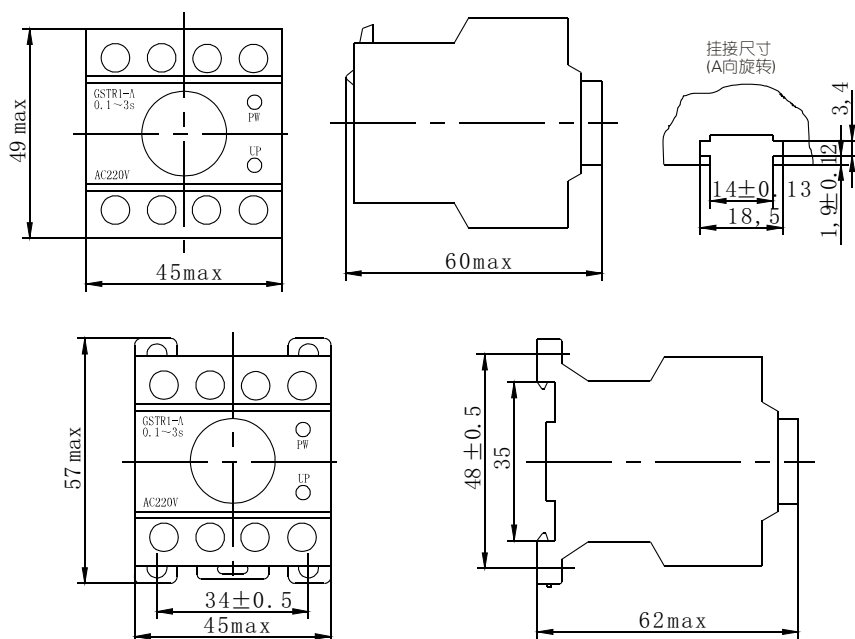
五、规格品种 CHARACTER TYPES

型号 Type	触点数量 Contact volume	动作形式 Action type	延时范围 Time-delay area	额定控制电源电压 Rated control power voltage
GSTR1-A20 GSTR1-A22 GSTR1-A24 GSTR1-A26	延时2转换 Time-delay 2 reverse	通电延时 Making time-delay	0.1S~3S 2S~30S 15S~180S 30S~300S	AC: 24V 48V 110V 220V 380V 50Hz DC: 24V 48V 110V 220V
GSTR1-F20 GSTR1-F22 GSTR1-F24	延时1转换 Time-delay 1 reverse	断电延时 Breaking time-delay	0.1S~3S 2S~30S 15S~180S	

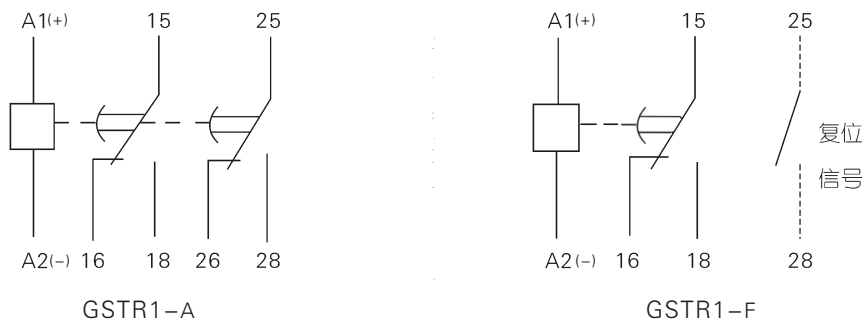
六、技术参数 TECHNICAL PARAMETERS

内容 content	型号 type	GSTR1-A	GSTR1-F
	触点额定绝缘电压 U_i Contact rated insulation voltage		250V
触点约定发热电流 I_{th} Contact conventional thermal current		5A	
触点额定工作电压 Contact rated work voltage		AC 220V DC 110V	
动作电压 action voltage		85% U_s ~110% U_s	
重复误差 repeated error		≤3%	
综合误差 general error		≤5%	
介电性能 dielectric properties		同组触点间 Among same group contact: AC1000V/1min 电气回路间 among electrical circuit: AC1500V/1min	
额定功率 rated power		AC 220V 1VA DC 110V 1.2W	AC 22V 1.2VA DC 110V 1.4W
触点容量 contact capacity		AC-12 220V 3A DC-12 110V 0.5A AC-15 220V 1.5A DC-13 110V 0.22A	
操作频率 operation frequency		在间隔时间不少于1.6S时可任意调节 Can be adjusted freely when among time ≥ 1.6s	
绝缘电阻 isolation resistant		100兆欧	
机械寿命 machine life span		300万次	
电寿命 electrical life span		15万次	
产品重量 weight	挂接式 hung connect way	约85g	约90g
	卡轨式 rail track way	约95g	约100g

七、外形尺寸与安装尺寸、接线图 OUTLINE DIMENSIONS AND MOUNTING DIMENSIONS, WIRING PICTURE



GSTR1-A(F)□E/□K外形与安装尺寸
GSTR1-A(F)□E/□K Outline Dimensions Andmounting Dimensions



八、订货须知 ORDER NOTICE

- 在订货时应指明下列事项： In order need attention following
- △ 继电器的全型号和名称； Entitle type and name of delay;
- △ 控制电源的频率及电压； Frequency and voltage of control power;
- △ 订货数量； Order volume
- 例如：GSTR1-A22E/MG电子式时间继电器(挂接式)一台；
 Example: GSTR1-A22E/MG electrical time relay (hung connect way) one sets;
- △ 控制电源电压未列入表1的规格，如用户需要可特殊订货。
 If user need the control power voltage which is not contained in table 1, please special customize.