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产品规格确认书

Specification for approval

文件编号 File No.: GK20200810001

产品名称 Product Name: 继电器 RELAY

产品型号 Product model: GK-A-1A-12D3M

发布日期 Date: 2020 年 08 月 10 日

联系人 Contact: _____

版本 Version: V1.0

更改单号 Number of Modification: _____

高登审批签字 Signature by golden			顾客签字或盖章 Stamp or signature by customer
批准 Approved	审核 Check	拟制 Make	负责人 by:
			日期 date:



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变更版记录 Revisions

顾客 Customer		产品型号:GK-A-1A-12D3M Part No.		
变更版 Version No.	变更日期 Change Date	变更内容 Description	原因 Reason	负责人 By



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➤ TYPE: GK SERIES

型号 Type	触点形式 Contact form	外形尺寸 Outline(绝缘系统 Electrical Insulation	触点材料 Contact Material	产品单重 Weight
GK-A-1A-12D3M	<u> 1A </u>	$\frac{32.0 \times 27.4}{19.3} \text{ mm}$	Class <u> / </u>	Silver alloy	About 24g

➤ 安全标准 Safety Standard

Certified	UL/CUL	CQC	TUV	VDE
File No.	申请中	申请中	申请中	/

上述认证号代表该产品取得相关认证，但具体认证内容请以我公司提交的证书为准。

The authentication number represents the product to obtain the relevant certification, but the specific certification to certificate our company, please submit prevail.

➤ 线圈额定参数 Coil Rating

at 23°C

额定电压 Nominal Voltage Vd. c.	动作电压 Pick-up Voltage Vd. c.	释放电压 Drop-out Voltage Vd. c.	允许最大线圈电压 Max. Allowable Voltage Vd. c.	线圈电阻 Coil Resistance Ω	线圈功耗 Coil Power W
12.0	≤ 9	≥ 1.2	15.6	$102.8 \times (1 \pm 10\%)$	About 1.4

➤ 触点参数 Contact Specification

触点额定负载（阻性） Contact Rating (Cos ϕ =1)	最大切换电流 Max. Contact Current	最大切换电压 Max. Contact Voltage	最小适用负载 Min. Applicable Load
50A 250VAC	50A	250VAC	6VDC 1A



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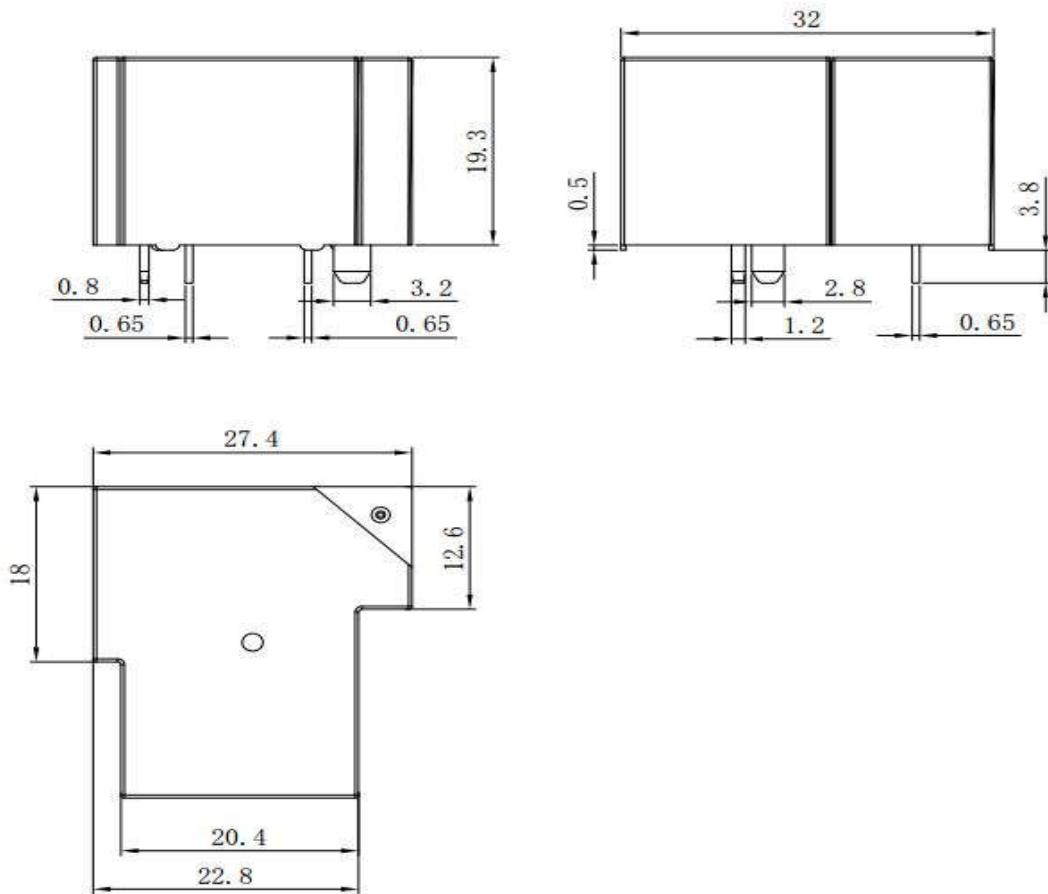
➤ 性能 Performance

触点材料 Contact material	Silver alloy	
接触电阻 Contact resistance	<u>100</u> mΩ Max. (at 6 Vd.c. 1A)	
动作时间 Operate time	<u>15</u> ms Max.	
释放时间 Release time	<u>10</u> ms Max.	
绝缘电阻 Insulation resistance	1000 MΩ Min. (DC500V)	
环境温度 Operating ambient temperature	-40~ <u>85</u> °C	
介质耐压 Dielectric strength ⁽¹⁾	触点触点间 Between open contact	:AC <u>1500</u> V, 50/60Hz 1min.
	触点线圈间 Between contact & coil:	AC <u>2500</u> V, 50/60Hz 1min.
	触点极间 Between contact Sets:	AC <u> </u> V; 50/60Hz 1min.
振动 Vibration resistance	稳定性 <u>Malfunction</u>	10~55Hz, amplitude <u>1.5</u> mm
	强度 <u>Durability</u>	10~55Hz, amplitude <u>1.5</u> mm
冲击 Shock resistance	稳定性 <u>Malfunction</u>	<u>98</u> m/s ² (approx 10 G)
	强度 <u>Durability</u>	<u>980</u> m/s ² (approx 100 G)
寿命 Life expectancy	机械寿命 Mechanical	10,00,000 operations (frequency 18,000 operations/h)
	电气寿命 Electrical	30,000 operations (frequency 600 operations/h 1s ON/9s OFF)
焊接性能 Soldering Ability	焊接温度 Soldering Temperature	(260±3) °C
	焊接时间 Soldering time	(3±0.5) s



➤ 产品结构 Configuration

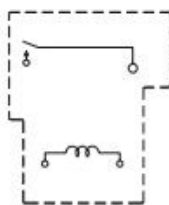
外形图 OUTLINE DIMENSIONS



产品外形尺寸未注尺寸公差	
Outline dimensions hadn't specified tolerance	
外形尺寸	公差
Outline Dimensions	Tolerance
≤1	±0.2
>1~5	±0.3
>5	±0.4

接线图 (底视图) WIRING DIAGRAM (Bottom View)

GK-A-1A

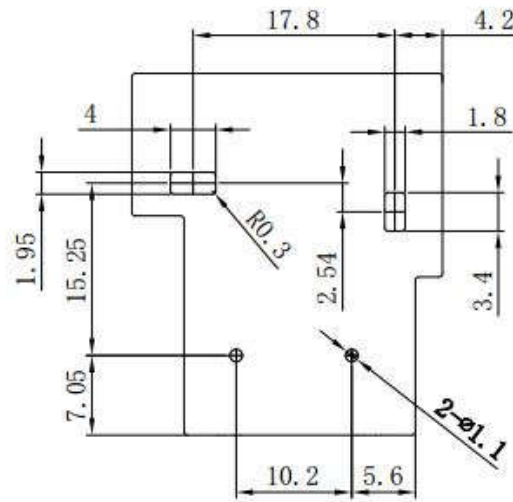




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安装孔位图 (底视图) PCB layout (Bottom View)

GK-A-1A



TOLERANCE: ± 0.1

订货标记 Ordering Information

GK-50A 命名规则

GK-A | -1A | -24 | D3 | M | N | D | C | F

绝缘等级: 无--Class B; F--Class F

密封方式: 无--塑封防尘型; C--全密封型

IP/OP耐压强度: 无-- $\geq 2500V$; D-- $\geq 4000VAC$

脚位形式: 无--无中心脚; N--有中心脚

触点负载: M--50A

线圈功率: D3--1.4W

线圈额定电压 (VDC): 5, 6, 12, 24, 48

触点形式: 1A--1组常开型

型号: GK-A



➤ Marking and Packing

标识 Logo	<p>GOLDEN C2007-02A1 GK-A-1A-12D3M</p> <p>50A 250VAC ⊕ 12VDC</p>	Eng. Change							
		Initial Issued	2020-08-10						
<p>NOTE:</p> <p>1. Marking “C2007-02A1” is the production date and batch number;</p> <p>2. The meaning of the marking according to below:</p> <div style="display: flex; align-items: center;"> <table style="border-collapse: collapse; margin-right: 20px;"> <tr> <td style="border: 1px solid black; padding: 2px;">C</td> <td style="border: 1px solid black; padding: 2px;">20</td> <td style="border: 1px solid black; padding: 2px;">07</td> <td style="border: 1px solid black; padding: 2px;">-02</td> <td style="border: 1px solid black; padding: 2px;">A</td> <td style="border: 1px solid black; padding: 2px;">1</td> </tr> </table> <div style="font-size: 2em; margin-right: 10px;">}</div> <div style="font-size: 0.8em;"> <p>班别标识：1或2, 1:白班, 2:夜班</p> <p>线别标识：A~Z大写英文字母, A:1线, B:2线, C:3线</p> <p>日期标识：01~31, 分别代表制作此钢板时所处的日期</p> <p>月份标识：01~12分别代表制作此钢板时所处的月份</p> <p>年份标识：2020年用20标识, 2021年用21标识</p> <p>C: Made in China</p> </div> </div>		C	20	07	-02	A	1	<p>装箱数量 Packing</p> <p><u>400</u> PCS/Box</p>	
C	20	07	-02	A	1				
<p>3. May have no the marking if customer have no demand;</p>									

➤ 其他 Others

- 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 data listed in the datasheet are the initial values tested under standard testing condition.
- 2 非塑封继电器需要防止助焊剂或污染物进入继电器
Unsealed relays should be hand soldered to avoid flux contamination of the relay.
- 3 避免在强磁场条件下使用继电器, 外界强磁场会造成继电器动作和释放等参数发生变化。
To avoid using relays under strong magnetic field because it will change the parameters of relay such as pull-in and drop-out voltage.
- 4 为了保持继电器的性能, 请注意不要使继电器掉落或受到强冲击。掉落后的继电器建议不再使用。
To maintain the performances of relays, please do not make the relay drop or be shocked strongly. Suggest that the relays dropped not be used.