


特性

- 17A高切换能力
- 爬电距离达10mm，耐压可达5000伏（线圈触点间）
- 多种触点形式可供选择
- 外形尺寸：(29×12.7×16.0)mm

触点参数

型号	GO-1P	GO-2P	GO-2
触点形式	1A,1B,1C	2A,2B,2C	1A,1B,1C
接触电阻	≤100mΩ(1A 6VDC)		
触点材料	银合金	银合金	银合金
触点负载(阻性)	17A 250VAC	8A 250VAC	17A 250VAC
最大切换额定电压	277VAC	277VAC	277VAC
最大切换额定电流	17A	8A	17A
最大切换额定功率	4709VA	2216VA	4709VA
机械耐久性	1,000,000次		
电耐久性(阻性)	100,000次(1s通9s断)		

性能参数

绝缘电阻	1000MΩ(500VDC)	
介质耐压	线圈与触点间	5000VAC 1min
	触点极间	2500VAC 1min (仅限2组触点)
	断开触点间	1000VAC 1min
动作时间(额定电压下)	≤15ms	
释放时间(额定电压下)	≤10ms	
抗振动	稳定性	10Hz~55Hz 1.5mm
	强度	10Hz~55Hz 1.5mm
抗冲击	稳定性	10G Min
	强度	100G Min
湿度	5%~85%Rh	
温度范围	-40℃~105℃	
引出端形式	PCB	
重量	约10~13.5g	

线圈规格表

温度：23°C

额定电压 (VDC)	额定电流 ±%(mA)	线圈电阻 ±10%(Ω)	最大连续外加电压	吸合电压 (Max)	释放电压 (Min)	线圈额定功率 (W)
3	133.3	22.5	额定电压的130%	额定电压的75%	额定电压的5%	0.4
5	80	62.5				
6	66.7	90				
9	44.5	202.5				
12	33.3	360				
24	16.7	1440				
48	8.3	5760				
60	6.7	9000				
110	3.6	30250				
3	176.7	17	额定电压的130%	额定电压的75%	额定电压的5%	0.53
5	106	47.2				
6	88.3	67.9				
9	58.9	152.8				
12	44.2	271.7				
24	22	1086.8				
48	11	4347.2				
60	8.8	6792.5				
110	4.8	22830				

GO 命名规则

GO -1 C -12 D S A H T XXX

特殊说明:数字或者字母代表特殊型号

无--表示环境温度85度(采用普通的工程料)

T--表示环境温度105度(采用过灼热丝材料)

 触点负载:无--标准型(单刀单掷),H--高负载(单刀单掷)
 2--高负载(单刀双掷)

绝缘等级:无--Class F,A-Class A

密封方式:无--密封型,S--密封防水型/防爆型

线圈功率:D--0.4W;H--0.53W

线圈额定电压(VDC):3,5,6,9,12,18,24,48,60,110

接触形式:A--常开型;B--常闭型;C--转换型

触点组数:1--1组触点;2--2组触点

型号:GO

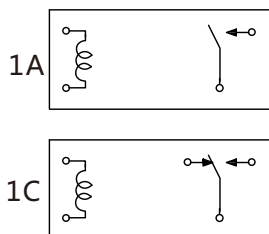
安规认证

认证类别	CQC	TUV	UL	
证书号	CQC15002129740	R 50321370	E321783	
GO-1P 负载要求	12A 250VAC(常规) 16A/17A 250VAC(高负载)	12A 250VAC (常规) 12A 24VDC (常规) 16A/17A 250VAC (高负载) 16A/17A 24VDC (高负载)	1 form C (NO&NC)	12A 250VAC/277VAC/24VDC 1/3HP 250VAC
			1 form C (NO)	TV-5 250VAC
			1 form A (NO)	1/3HP 250VAC 12A 24VDC 16A/17A 250VAC/277VAC 16A/17A 250VAC/277VAC 1/2HP 125VAC/250VAC TV-5 250VAC
			1 form B (NC)	16A 250VAC/277VAC
GO-2P 负载要求	8A 250VAC	8A 250VAC 8A 24VDC	2 form C (NO&NC)	8A 250VAC/277VAC/240VAC 8A 24VDC 1/3HP 250VAC
			2 form A (NO) 2 form C (NO)	TV-3 250VAC TV-5 125VAC
GO-2 负载要求	16A/17A 250VAC	16A/17A 250VAC 16A/17A 24VDC	1 form C (NO)	16A/17A 250VAC/277VAC/24VDC TV-5 250VAC
			1 form C (NC)	16A 250VAC/277VAC 16A/17A 24VDC
			1 form C (NO&NC)	1HP 250VAC
			1 form A (NO)	TV-5 250VAC 16A/17A 250VAC/277VAC 1/2HP 125VAC/250VAC 1HP 250VAC 16A/17A 24VDC
			1 form B (NC)	16A 250VAC/277VAC 16A/17A 24VDC

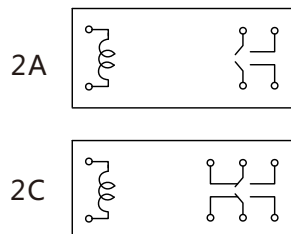
接线图 (底视图)

单位:mm

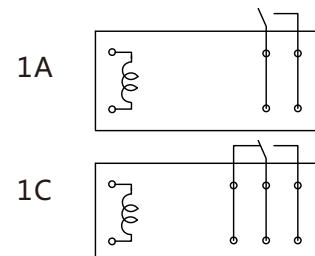
GO-1P



GO-2P

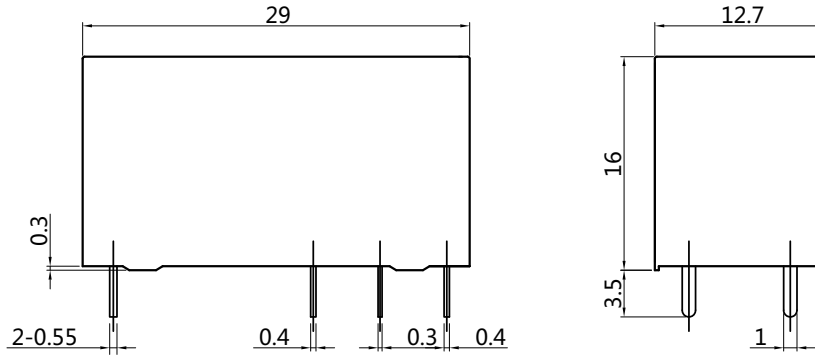


GO-2



外形图

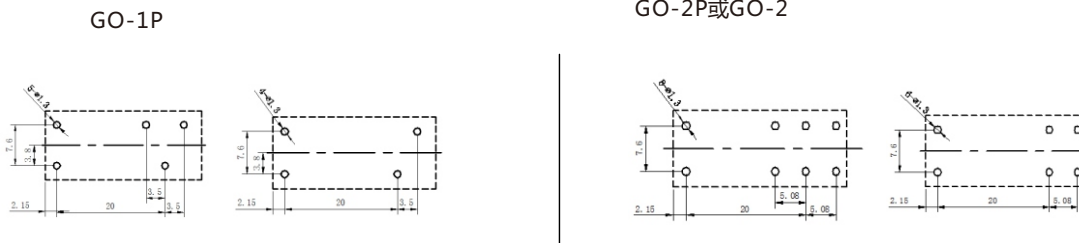
单位:mm



注：产品部分外形尺寸未注尺寸公差，
当外形尺寸 < 1mm，公差为±0.2mm；
当外形尺寸在1~5mm之间时，公差为±0.3mm；
当外形尺寸 > 5mm，公差为±0.4mm。

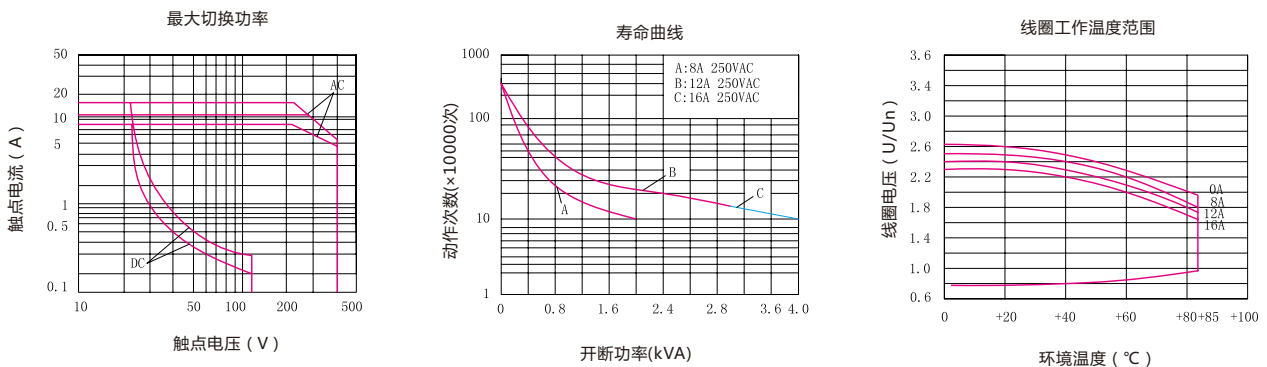
安装孔尺寸 (底视图)

单位:mm



注：引出端子尺寸为预焊前尺寸；安装孔尺寸公差：±0.1mm。

性能曲线图



声明:

本产品规格书仅供客户使用时参考,若有更改,恕不另行通知。

对高登而言,不可能评定继电器在每个具体应用领域的所有性能参数要求,因而客户应该根据具体的使用条件选择与之相配的产品,若有疑问,请与高登联系获取更多的技术支持,但是产品选型责权由客户负责。

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Characteristics

- 17A high switching capability
- Creepage distance can reach 10mm, withstand voltage can reach 5000V (Between coil & contacts)
- A variety of contact forms to choose from
- Sizes: (29× 12.7× 16.0)mm

Contact parameter

Model	GO-1P	GO-2P	GO-2
Contact form	1A,1B or 1C	2A,2B or 2C	1A,1B or 1C
Contact resistance	≤100mΩ(1A 6VDC)		
Contact material	Silver alloy		
Contact load (Resistance)	17A 250VAC	8A 250VAC	17A 250VAC
Max. Switching Voltage	277VAC	277VAC	277VAC
Max. Switching Current	17A	8A	17A
Max. Switching Power	4709VA	2216VA	4709VA
Mechanical Life	1,000,000 ops.		
Electrical Life (Resistive)	100,000 ops. (1s on 9s off)		

Performance parameter

Insulation resistance	1000MΩ(500VDC)	
Dielectric Strength	Between coil & contacts	5000VAC 1min
	Between contacts & contacts	2500VAC 1min((only for 2 pole)
	Between open contacts	1000VAC 1min
Operating time (at rated voltage)	≤15ms	
Release time (at rated voltage)	≤10ms	
Vibration resistant	Malfunction	10Hz ~ 55Hz 1.5mm
	Durability	10Hz ~ 55Hz 1.5mm
Impact resistance	Malfunction	10G Min
	Durability	100G Min
Humidity	5% ~ 85%Rh	
Operating Condition	-40°C ~ 105°C	
Terminal Type	PCB	
weight	About 10-13.5g	

Coil parameter			Temperature: 23°C			
Nominal Voltage (VDC)	Rated current ±%(mA)	Coil resistance ±10%(Ω)	Maximum continuous applied voltage	Pull-in voltage (Max)	Release voltage (Min)	Coil rated power (W)
3	133.3	22.5	130% of rated voltage	75% of rated voltage	5% of rated voltage	0.4
5	80	62.5				
6	66.7	90				
9	44.5	202.5				
12	33.3	360				
24	16.7	1440				
48	8.3	5760				
60	6.7	9000				
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GO Naming rules

GO -1 C -12 D S A H T XXX

Special instructions: none-standard type; letters or numbers-special instructions

Blank--surrounding air temperature 85°C

T--surrounding air temperature 105°C

Contact Rating : Blank: standard type (Single pole Single system);
 H--High rating (Single pole Single system)
 2--High rating (Single pole double system)

Insulation System : Blank--Class F;A-Class A

Sealing method : Blank--Sealed type ; S--Explosion proof or sealed

Rated coil power : D--0.4W;H--0.53W

Rated coil voltage (VDC) :3,5,6,9,12,18,24,48,60,110

Contact Form:A--make contact ;B--break contact ;C--change-over contact

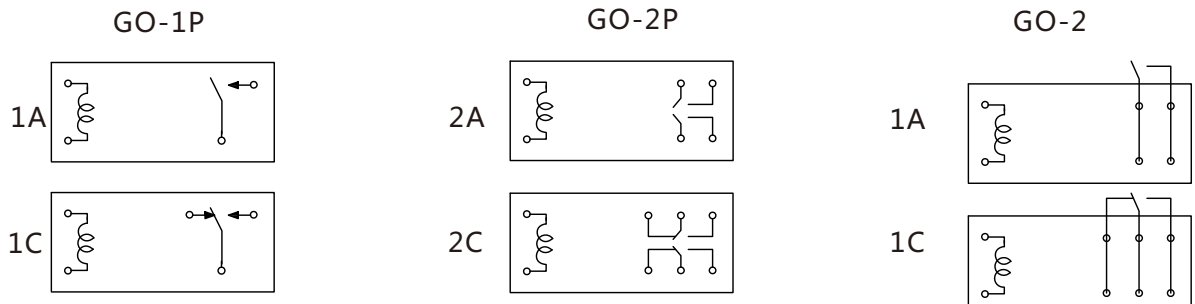
Number of pole: 1--1 pole; 2--2 poles

Model: GO

Safety certification

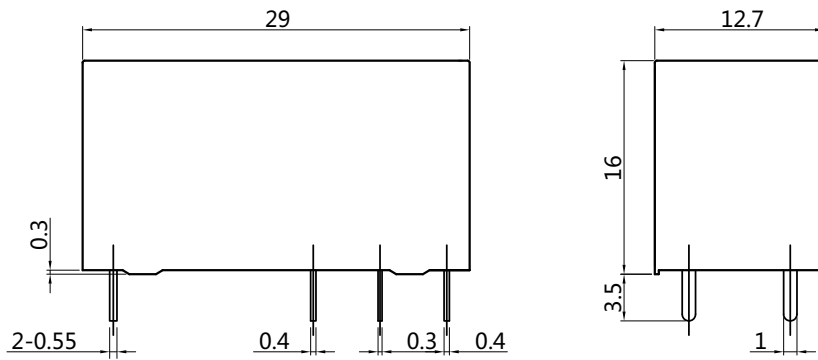
Certification category	CQC	TUV	UL	
Certificate No	CQC15002129740	R 50321370	E321783	
GO-1P Load requirement	12A 250VAC(常规) 16A/17A 250VAC(高负载)	12A 250VAC (常规) 12A 24VDC (常规) 16A/17A 250VAC (高负载) 16A/17A 24VDC (高负载)	1 form C (NO&NC)	12A 250VAC/277VAC/24VDC 1/3HP 250VAC
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			2 form A (NO) 2 form C (NO)	TV-3 250VAC TV-5 125VAC
GO-2 Load requirement	16A/17A 250VAC	16A/17A 250VAC 16A/17A 24VDC	1 form C (NO)	16A/17A 250VAC/277VAC/24VDC TV-5 250VAC
			1 form C (NC)	16A 250VAC/277VAC 16A/17A 24VDC
			1 form C (NO&NC)	1HP 250VAC
			1 form A (NO)	TV-5 250VAC 16A/17A 250VAC/277VAC 1/2HP 125VAC/250VAC 1HP 250VAC 16A/17A 24VDC
			1 form B (NC)	16A 250VAC/277VAC 16A/17A 24VDC

Wiring diagram (bottom view) Unit: mm



Outline drawing

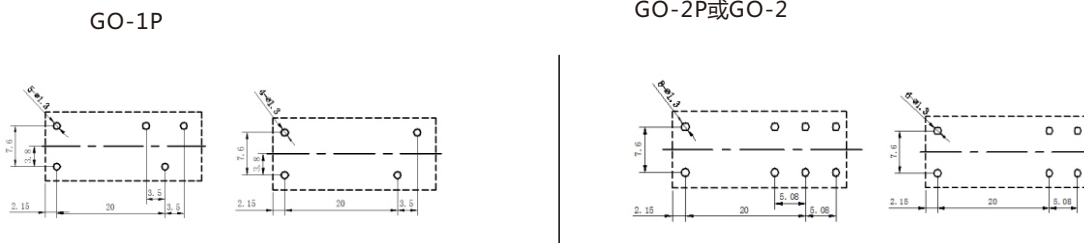
Unit: mm



Note: Part of the product has no tolerances on the external dimensions.
 When the external dimensions are less than 1mm, the tolerance is $\pm 0.2\text{mm}$;
 When the external dimension is between 1~5mm, the tolerance is $\pm 0.3\text{mm}$;
 When the external dimension $> 5\text{mm}$, the tolerance is $\pm 0.4\text{mm}$.

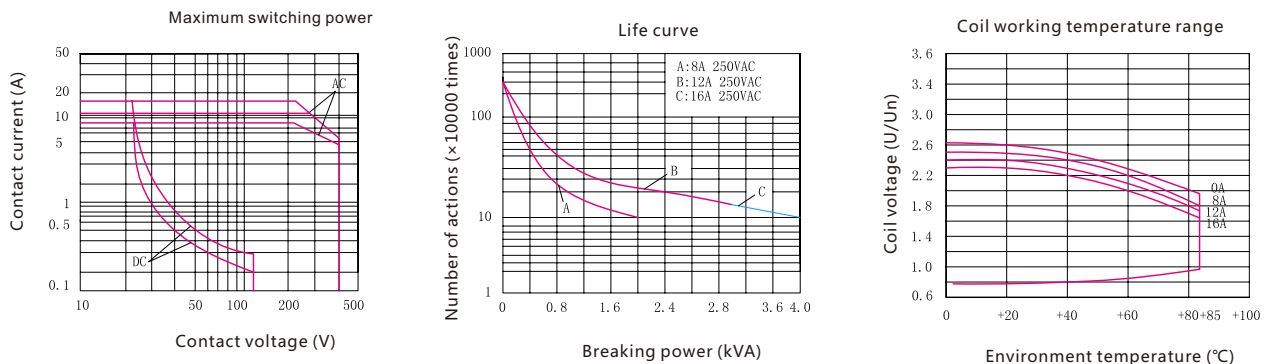
PCB Layout (bottom view)

Unit: mm



Note: The size of the lead terminal is the size before pre-welding;
 the size tolerance of the mounting hole: $\pm 0.1\text{mm}$.

Performance graph



statement:

This product specification is only for reference when customers use it, and subject to change without notice.

For Golden, it is impossible to evaluate all the performance parameter requirements of the relay in each specific application field. Therefore, the customer should choose the product that matches it according to the specific use conditions. If you have questions, please contact Golden for more technical support, but the customer is responsible for product selection.

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