

Honyone®

宏利源电器

專業精密電子開關解決方案製造商

Design, development and manufacture of custom switch solutions

- 20年電子開關，保險絲座專業製造經驗
- 秉承“品質，誠信，創新，回饋”之經營理念
為電子工業界提供近千種不同規格之開關產品



BUSINESS PHILOSOPHY

經營理念

企业文化 Enterprise culture



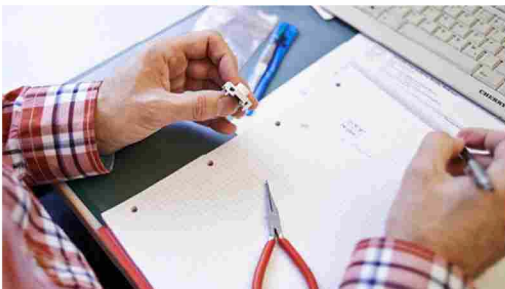
企业文化是企业传承和发展的基因。今天我们正面临愈加激烈的全球化竞争，企业不仅要在技术、产品、市场、资本等方面展开竞争。

品牌理念 Brand Concept



"品质，诚信，创新，回馈"是宏利源的品牌核心理念为电子工业界提供近千种不同规格之开关产品。

研发系统 R&D system



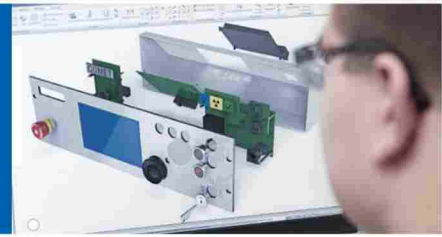
经过20年的积累和持续的投入，宏利源已经建立起完善的研发体系，为企业的发展提供源源不断的动力。

自动化生产 Automatic Production



强大的生产制造能力是宏利源的核心竞争优势，产品丰富、品类齐全、规模庞大的制造体系形成，支撑宏利源的产业扩张和市场拓展。

公司簡介 Company Profile



Honyone Electrical Appliance Co., Ltd. has over 20 years professional manufacturing electronic switch and fuse holder experience, adhering to the "quality, integrity, innovation, feedback" business philosophy, for the electronics industry to provide nearly thousands of different specifications of the switch products. including tact switch with led, pushbutton switch, metal button switch, rocker switch, fuse holder and so on. Another company in Taiwan, Hong Kong, Shenzhen set up branch offices, responsible for product sales, export transport, and after-sales service.

Company production base is located in Huizhou Shiwan Town, the factory area of 5000 square meters, adjacent to Guang-Hui high-speed and WAN-Hong Kong-Shenzhen high-speed Railway (Dongguan station), convenient transportation. The factory has more than 300 skilled workers, including nearly 50 engineers and technicians, under the engineering Department, Research and Development Department, production planning department, Mold Department, injection Department, Hardware department, Quality Department, laboratories and other departments, with complete, technologically advanced production equipment, including: electrical discharge machine, high precision grinder, vertical milling machine, drilling, vertical, Horizontal injection molding machine. In addition to the company has a product life tester, insulation resistance tester, micro-ohm meter and other precision tester equipment, but also has the United States UL Test Room certification of DC load cabinets. Three-dimensional measuring instrument.

Division I passed the United States UL certification, and China CQC.CCC certification, and has the European Union ENEC, the Netherlands Kemark certification, Korea KTL certification. We welcome any ODM or OEM cooperation program.

宏利源电器有限公司累积超过20年专业制造电子开关和保险丝座经验，秉承“品质，诚信，创新，回馈”之经营理念，为电子工业界提供近千种不同规格之开关产品。包括轻触带灯开关，按键开关，金属按钮开关，翘板开关，保险丝座等。另公司分别在台湾，香港，深圳设立分公司，负责产品销售，出口运输，及售后服务。

公司生产基地位于惠州市石湾镇，厂区面积达5000平米，比邻广惠高速和莞深港高速铁路(东莞站)，交通便利。工厂有300多名熟练工人，其中工程技术人员有近50名，下设工程部，研发部，生产计划部，工模部，注塑部，五金部，品质部，实验室等部门，拥有配套齐全，技术先进之生产设备，包括：放电加工机，精密平面模床，立式铣床，钻床，立式，卧式注塑机。公司除了拥有产品寿命测试仪，绝缘电阻测试仪，微欧姆计等各种精密测试仪器设备外，还拥有美国UL试验室认证之直流负载柜。三次元测量仪等。

我司通过了美国UL认证，及中国CQC.CCC认证，并且拥有了欧盟ENEC,荷兰KEMARK认证，韩国KTL认证。我们欢迎任何的ODM或OEM合作方案。



ISO9001:2015

公司發展歷程 Company History



公司大事记时间轴

- 2017年10月 ○ 成立东莞弘力源精密电子有限公司
- 2017年04月 ○ 成为中国中车集团CRRRC合格供应商,开始进入高铁轨道交通行业
- 2016年12月 ○ 通过新版ISO9001:2015管理体系认证,全年取得6项实用新型专利证书
- 2015年09月 ○ 全球广播控制台按钮领域市场占有率达68%,外销首超35%
- 2014年10月 ○ 宏利源开始为美国PHONIX,深圳华为公司开始供货
- 2013年06月 ○ 宏利源电器成为华帝股份,鱼跃集团等上市企业主要零部件供货商
- 2011年04月 ○ 宏利源工厂取得美国UL,中国CQC,欧盟ENEC产品质量认证
- 2010年06月 ○ 创立宏利源HONYONE品牌,开始筹划新厂建设
- 08月 ○ 宏利源公司惠州工厂正式投产,同年香港宏利源国际有限公司成立
- 2008年03月 ○ 开始为德国大众汽车充气泵产品提供开关部件
- 07月 ○ 东莞成立制造二厂,开始铝合金压铸模具与成品生产
- 2006年03月 ○ 东莞工厂取得ISO:9001质量管理体系认证
- 2005年01月 ○ 东莞石碣自建新工厂竣工,同年迁入正式投产
- 2004年06月 ○ 产品取得美国UL,德国VDE,中国CQC质量认证
- 12月 ○ 正式成为美国沃尔玛公司零部件供应商
- 2003年09月 ○ 东莞工厂正式成立,开始制造开关,保险丝座,电源插座产品
- 2001年05月 ○ 取得中国海军南海舰队按钮供应资格证.开始为湛江,黄埔港陆续供货
- 2000年12月 ○ 取得瑞士EAO公司深圳代理权,负责在深圳及华南地区销售EAO开关产品
- 1998年10月 ○ 成立深圳公司,销售EAO,ABB.FUJISOKU,IDEC, APEM.CANAL公司产品



宏利源成为中车集团供应商



宏利源成为西门子供应商



宏利源参加全球电子展会



汽车电子应用领域



宏利源为大众汽车提供开关部件



视频处理器应用



F 工廠巡視 actory Tour



◆ 东莞弘力源 ◆
DongGuan office



◆ 香港展会 ◆
HongKong Exhibition



◆ 研发部 ◆
R&D Department



◆ 自动化加工 ◆
Automated production



◆ 组装生产线 ◆
Assembly Line



◆ 来料检验 ◆
Inspection



◆ 工厂全貌 ◆
Factory Panorama



◆ 注塑车间 ◆
Injection workshop



Q 資質證書 Quality Certification



— K-Mark证书 —



— ISO证书 —



— ISO证书 —



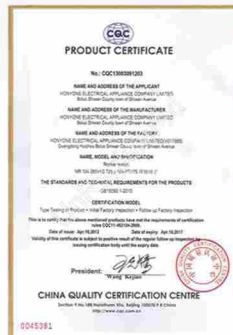
— ENEC证书 —



— 防水证书 —



— UL证书 —



— CQC证书 —

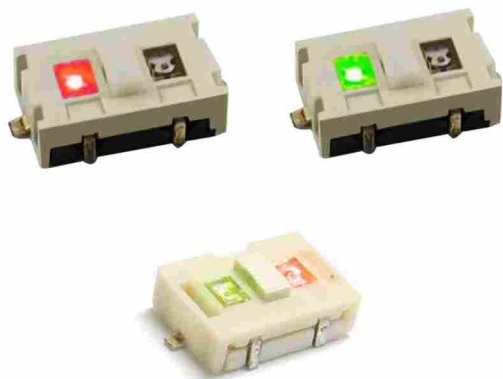


— CE证书 —

Honyone



带灯轻触开关
LED TACT SWITCHES

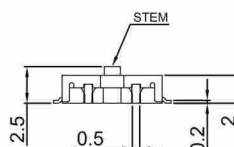
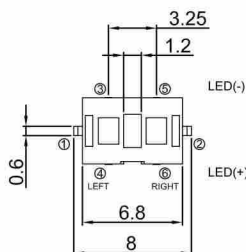


SPECIFICATIONS

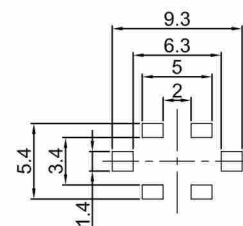
Circuit	: SPST with LED
Current Rating	: 50mA
Voltage Rating	: 12VDC
Dielectric withstanding voltage	: 250VAC for 1 minute
Contact Resistance	: 500mΩ Max. (initial)
Insulation Resistance	: 100MΩ Min.
Operating Force	: 160+75/-30gf
Total Travel	: 0.25+0.2/-0.1mm
Operating Force	: 30,000 Cycles Min
Solder Specifications	: 260°C for 5 Seconds
Function	: Momentary
Operating Temperature	: -20°C+70°C



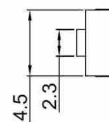
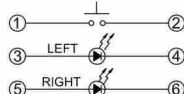
TS11-N-A-RG-RG-P



P.C.B. LAYOUT



CIRCUIT



TS11	N	A	U	R	U	W	P
MODEL 型号	OPERATION 操作	CIRCUIT 电路	LEFT LED BRIGHTNESS 左灯亮度	LED COLOR 灯颜色	RIGHT LED BRIGHTNESS 右灯亮度	LED COLOR 灯颜色	TERMINAL SHAPE 端子形状
	N NON-LOCK (std.) 非锁定	A A CIRCUIT (std.) 常规	U ULTRA (std.) 超亮	N Without LED	U ULTRA (std.) 超亮	N Without LED	S
			R REGULAR 普亮	R Red 红灯	R REGULAR 普亮	R Red 红灯	P
			N WITHOUT LED	Y Yellow 黄灯	Y Yellow 黄灯	Y Yellow 黄灯	
				G Green 绿灯	N WITHOUT LED	G Green 绿灯	
				U Blue 蓝灯		U Blue 蓝灯	
				W White 白灯		W White 白灯	
				O Orange 橙色		O Orange 橙色	



TS1-3B-5RN-21S



TS1-2A-2RW-11S



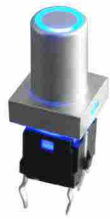
TS1-00-7YO-11S

SPECIFICATIONS

Circuit	:SPST 1P1T
Current Rating	:50mA
Voltage Rating	:12VDC
Dielectric withstanding voltage	:250VAC for 1 minute
Contact Resistance	:100mΩ Max. (initial)
Insulation Resistance	:100MΩ Min.
Operating Force	:180±50gf or 250±50gf
Total Travel	:0.25±0.1mm
Operating Force	:200,000 Cycles Min
Solder Specifications	:260°C for 3 Seconds
Function	:Momentary
Operating Temperature	:-20°C ~ +70°C



TS1-00-6TU-11S



TS1-00-6SU-21-11S



TS1-00-7TU-11S

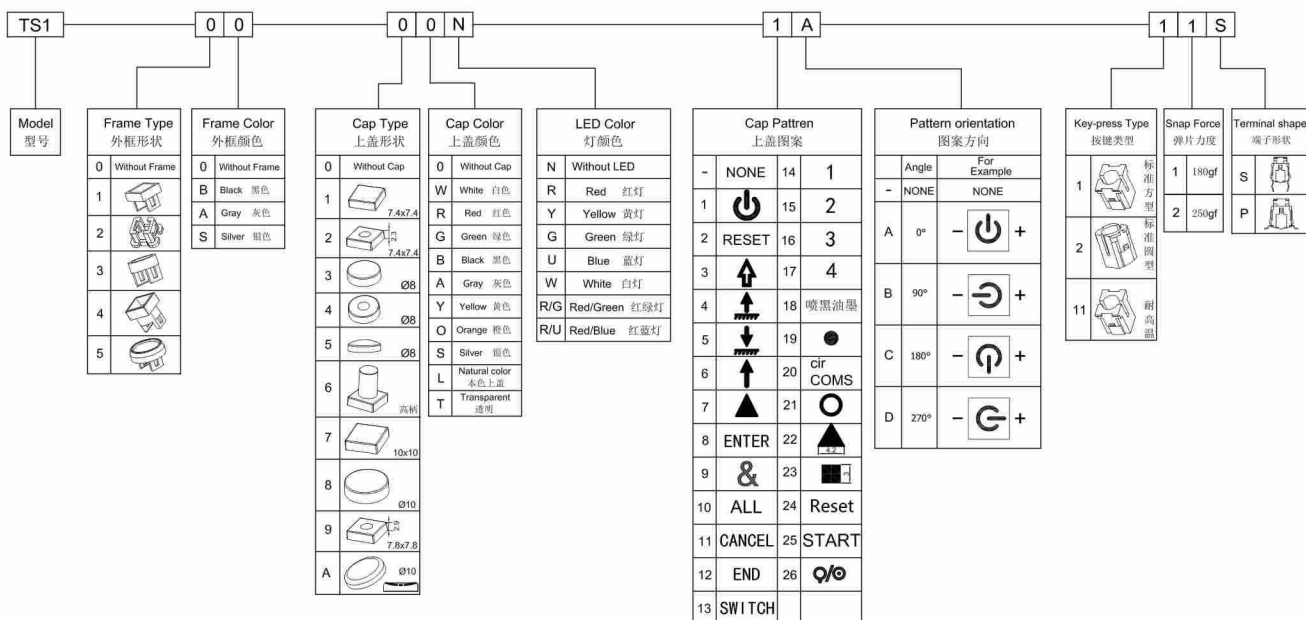


LED SPECIFICATIONS

	Unit	Value / LED Color				
		Blue	Green	Red	White	Yellow
FORWARD CURRENT	If	20	20	20	20	20
REVERSE VOLTAGE	Vr	5.0	5.0	5.0	5.0	5.0
REVERSE CURRENT	Ir	10	10	10	10	10
FORWARD VOLTAGE	Vf	2.8-3.4	1.8-2.4	1.8-2.4	2.8-3.8	1.8-2.4



ATTENTION (+) (-) LEDs are Electrostatic Sensitive devices



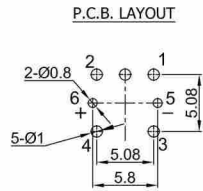
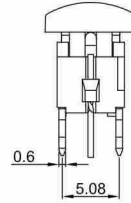
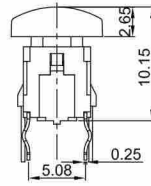
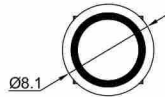
* TS1-00-00N indicated:without Frame,cap and LED

* TS1-00-00N 代表:无外框,上盖和LED灯.

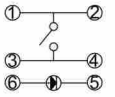
带灯轻触开关



TS1-00-5BW-21-11S



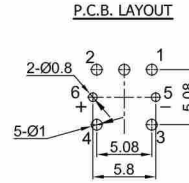
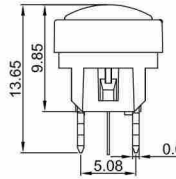
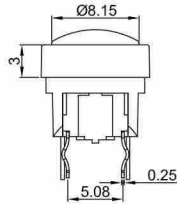
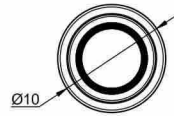
CIRCUIT



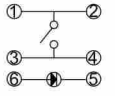
带灯按钮开关



TS1-6B-5BG-21-11S



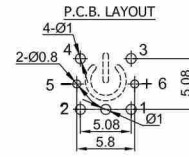
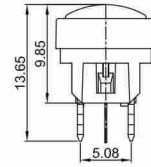
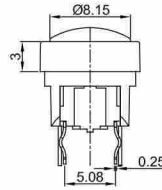
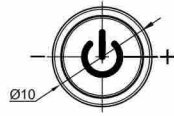
CIRCUIT



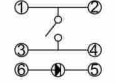
按钮开关



TS1-3A-5BR-1A-11S



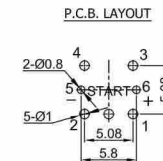
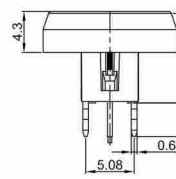
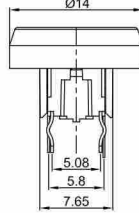
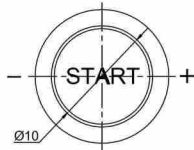
CIRCUIT



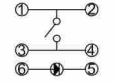
金属按钮开关



TS1-5A-ARW-25A-11S



CIRCUIT

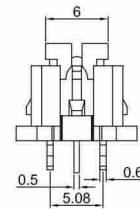
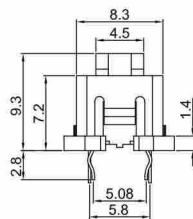
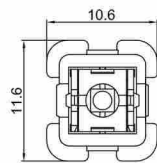


翘板开关

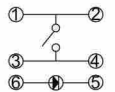
保险插座



TS1-2A-00Y-11S



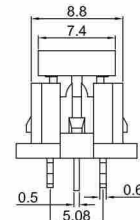
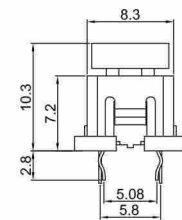
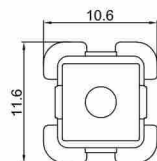
CIRCUIT



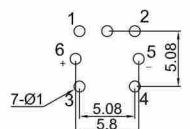
光电触摸开关



TS1-2A-2RW-11S



P.C.B. LAYOUT



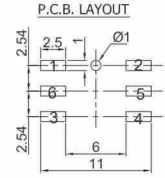
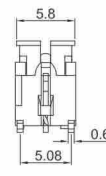
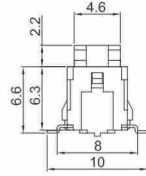
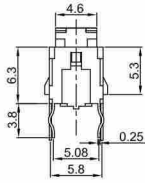
旋转开关



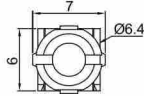
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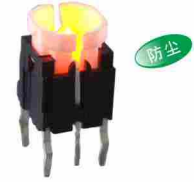
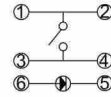
TS1-00-00U-11P



SMT



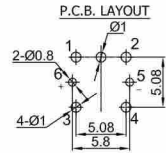
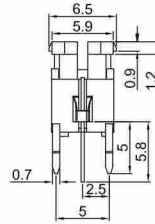
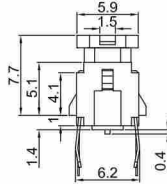
CIRCUIT



TS1-00-00Y-31S



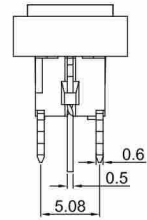
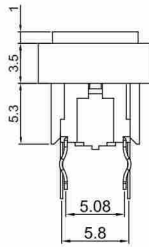
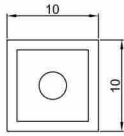
TS1-00-2BU-11S



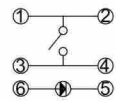
P.C.B. LAYOUT



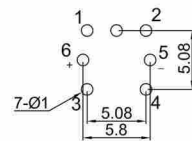
TS1-1B-2GG-11S



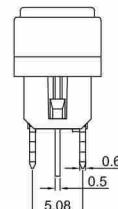
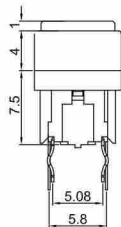
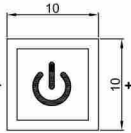
CIRCUIT



P.C.B. LAYOUT



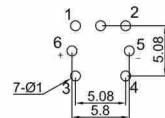
TS1-1B-1SU-1A-11S



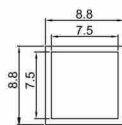
CIRCUIT



P.C.B. LAYOUT



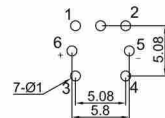
TS1-4B-1SU-1B-11S



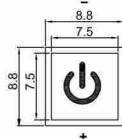
CIRCUIT



P.C.B. LAYOUT



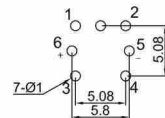
TS1-4B-1TO-11S



CIRCUIT



P.C.B. LAYOUT



带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关

TS2 SERIES LED TACT SWITCHES



TS2-2A-3GN-41S



TS2-2B-3SU-1A-51S



TS2-00-1RN-241P



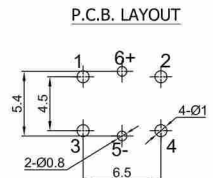
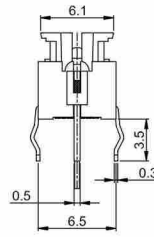
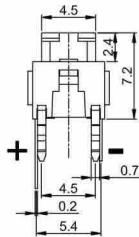
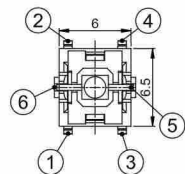
TS2-1A-1GN-41S

SPECIFICATIONS

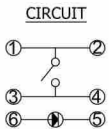
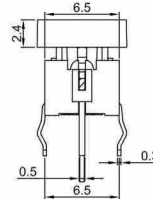
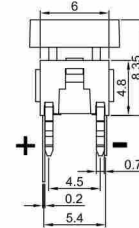
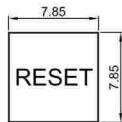
Circuit	:SPST 1P1T
Current Rating	:50mA
Voltage Rating	:12VDC
Dielectric withstanding voltage	:250VAC for 1 minute
Contact Resistance	:100mΩ Max. (initial)
Insulation Resistance	:100MΩ Min.
Operating Force	:180±50gf or 250±50gf
Total Travel	:0.25±0.1mm
Operating life	:200,000 Cycles Min
Soldear Specifications	:260°C for 3 Seconds
Function	:Momentary
Operating Temperature	:-20°C ~ +70°C



TS2-00-00R-71S



TS2-00-1SR-2A-41S



TS2	0 0	0 0 N	0 N	1 1 S						
Model 型号	Frame Type 外框形状	Frame Color 外框颜色	Cap Type 上盖形状	Cap Color 上盖颜色	LED Color 灯颜色	Cap Patten 上盖图案	Pattern orientation 图案方向	Key-press Type 按键类型	Snap Force 弹片力度	Terminal shape 端子形状
0	Without Frame	0 Without Frame	0 Without Cap	0 White 白色	N Without LED	NONE	Angle For Example	4 方形	1 180gf	S
1	1	B Black 黑色	1	R Red 红色	R Red 红灯	1	A 0°	5 圆形	2 250gf	P
2	2	A Gray 灰色	2	G Green 绿色	G Green 绿灯	2	B 90°	7 方形		D
			3	B Black 黑色	U Blue 蓝灯	3	C 180°	24 LCP (强耐高温)		A
			4	A Gray 灰色	W White 白灯	4	D 270°			
			6	Y Yellow 黄色	O Orange 橙灯	5				
			6	O Orange 橙色	R/G Red/Green 红绿双色	6				
				S Silver 银色	R/U Red/Blue 红蓝双色	7				
				L Natural color 本色上盖		8				
				T Transparent 透明		9				
						10				
						11				
						12				
						13				
						14				
						15				
						16				
						17				

* TS2-00-00N indicated:without Frame,cap and LED

* TS2-00-00N 代表:无外框,上盖和LED灯.

带灯轻触开关

带灯按钮开关

按钮开关

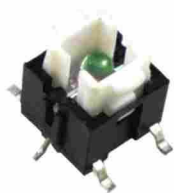
金属按钮开关

翘板开关

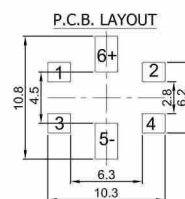
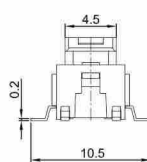
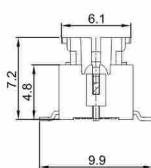
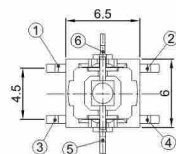
保险丝座

光电触摸开关

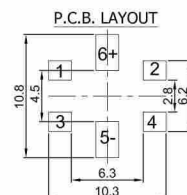
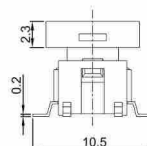
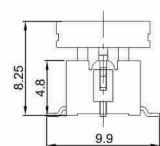
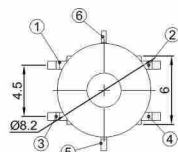
旋转开关



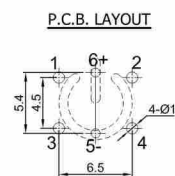
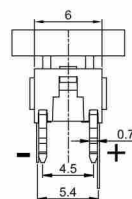
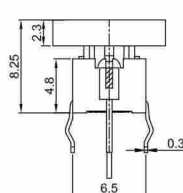
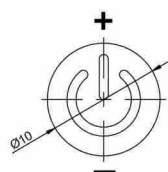
TS2-00-00G-2-51P



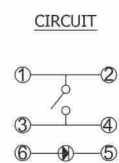
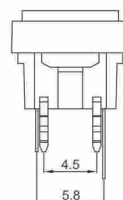
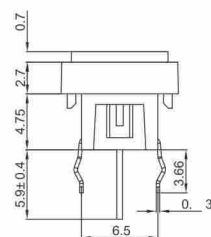
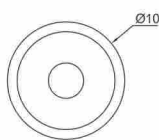
TS2-00-4GR-2-51P



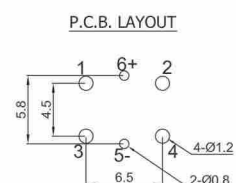
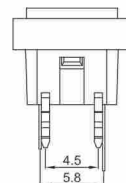
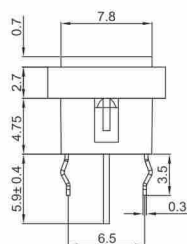
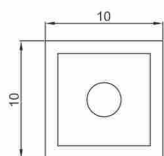
TS2-00-6SU-1A-51S



TS2-2B-4RR-51S



TS2-1B-2BU-41S



带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关

带灯轻触开关



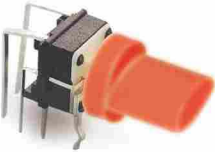
TS3-P-00N-2S



TS3-5SU-2S-1A



TS3-6SG-2B-2



TS3-5WR-2B

SPECIFICATIONS

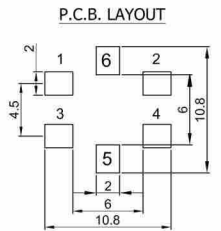
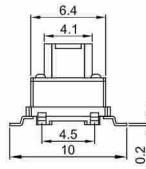
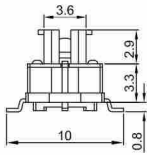
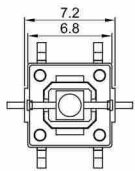
Circuit	:SPST
Current Rating	:50mA
Voltage Rating	:12VDC
Dielectric withstanding voltage	:250VAC for 1 minute
Contact Resistance	:100mΩ Max .(initial)
Insulation Resistance	:100MΩ Min.
Operating Force	:180±50gf or 250±50gf
Total Travel	:0.25±0.1mm
Operating life	:200,000 Cycles Min
Solder Specifications	:260°C for 3 Seconds
Function	:Momentary
Operating Temperature	:-20°C ~ +70°C

带灯按钮开关

按钮开关



TS3-00R-12P

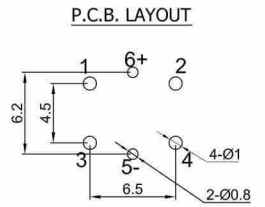
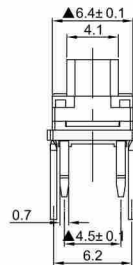
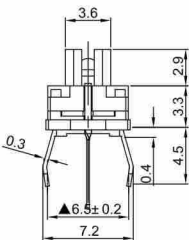
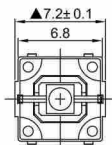


金属按钮开关

翘板开关



TS3-P-00G-2S

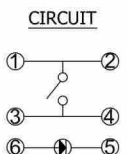
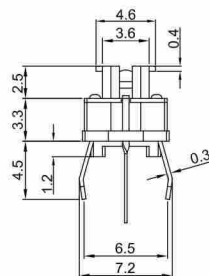
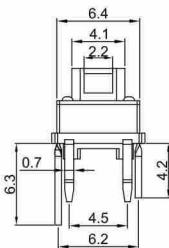
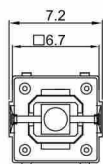


保险插座

光电触摸开关



TS3-00Y-2S



旋转开关



TS3-00G-3B



TS3-00R-3F



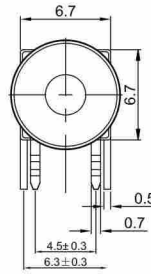
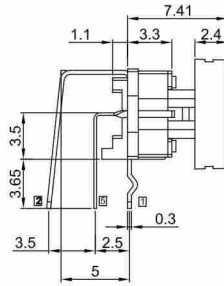
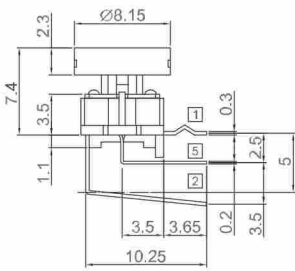
TS3-2BU-3B



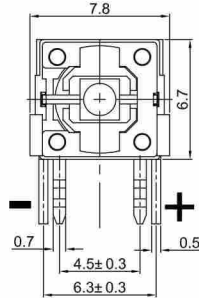
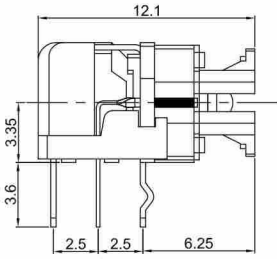
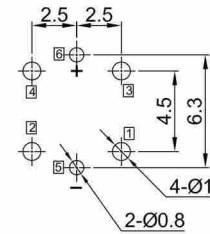
TS3-2BG-3F



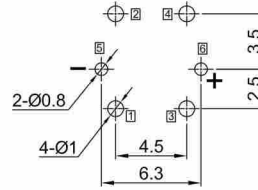
TS3-3SR-3B-3B



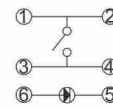
P.C.B. LAYOUT



P.C.B. LAYOUT



CIRCUIT



TS3	P	0 0 R	2 S	0 N
Model 型号	IP Rating 防水等级	Cap Type 上盖形状	Cap Color 上盖颜色	LED Color 灯颜色
	- 不带水 P IP67 防水	0 Without Cap 1 46±0.0 2 3 4 5 6 7 #1=10.0	0 Without Cap W White 白色 R Red 红色 G Green 绿色 B Black 黑色 A Gray 灰色 Y Yellow 黄色 O Orange 橙色 S Silver 银色 L Natural color 本色上盖 T Transparent 透明	N Without LED R Red 红灯 Y Yellow 黄灯 G Green 绿灯 U Blue 蓝灯 W White 白灯 R/G Red/Green 红绿灯 R/U Red/Blue 红蓝灯
				Key-press Type 按键类型
				2 标准型 3 4 防水专用 12 高温型
				Terminal shape 端子形状
				S 直插型 P 插片型 B 侧向型 F 固定端子型
				Cap Logo 上盖图案
				0 NONE 1 2 3 4 3.0 5 1.0
				Pattern orientation 图案方向
				For board N NONE A B C D

带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关

TS6 SERIES LED TACT SWITCHES



TS6-A-00-BTY-0-1



TS6-A-00-ATU-0-1



TS6-A-2B-1TR-0-1



TS6-A-1B-1TU-0-1



TS6-A-00-9TU-0-1



TS6-A-00-6SU-7-5



TS6-A-4B-3TG-0-1



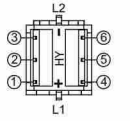
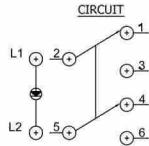
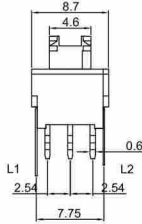
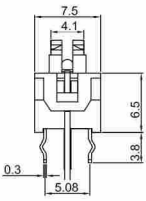
TS6-A-SB-1SY-8-2

SPECIFICATIONS

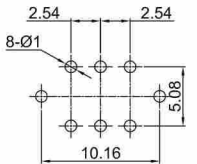
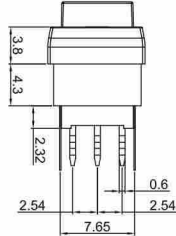
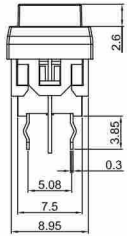
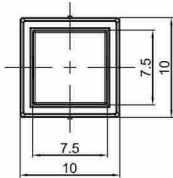
Circuit	: DPDT 2P2T
Current Rating	: 100mA
Voltage Rating	: 30VDC
Dielectric withstanding voltage	: 250VAC for 1 minute
Contact Resistance	: 100mΩ Max .(initial)
Insulation Resistance	: 100MΩ Min.
Operating Force	: 150±100(MOM)
Total Travel	: 1.6±0.4mm
Operating life	: 50,000 Cycles Min
Solder Specifications	: 260°C for 5 Seconds
Function	: Momentary or self-lock
Operating Temperature	: -20°C~ +70°C






















TS6-A-00-00R-0-1



TS6-A-2B-1TW-0-1



TS6	M	0 0	0 0 N	0	1			
Model 型号	Function 功能	Frame Type 外框形状	Frame Color 外框颜色	Cap Type 上盖形状	Cap Color 上盖颜色	LED Color 灯颜色	Cap Pattern 上盖图案	Terminal Type 端子类型
	M Momentary 复位 A Alternate 自锁	0 Without Frame 1  2  3  4 	0 Without Frame B Black 黑色 A Gray 灰色 S Silver 银色	0 Without Cap 1  2  3  4  5  6  7  8  9 A B C D	0 Without Cap W White 白色 R Red 红色 G Green 绿色 B Black 黑色 A Gray 灰色 Y Yellow 黄色 T Transparence 透明 O Orange 橙色 S Silver 银色	N Without LED R Red 红灯 圆头 Y Yellow 黄灯 圆头 G Green 绿灯 圆头 U Blue 蓝灯 圆头 W White 白灯 圆头 O Orange 橙色 圆头 R/G Red/Green 红绿双色 R/U Red/Blue 红蓝双色	- NONE 1  2 RESET 3  4  5  6 	1  直脚型 2  弯脚型

带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

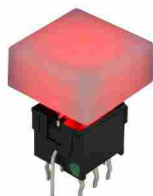
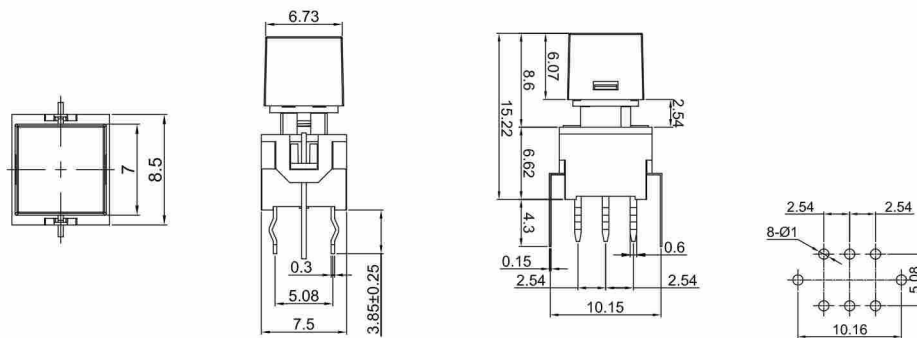
保险插座

光电触摸开关

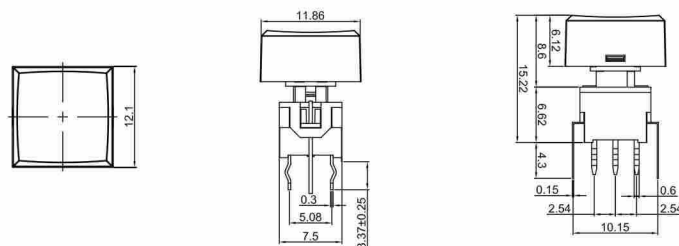
旋转开关



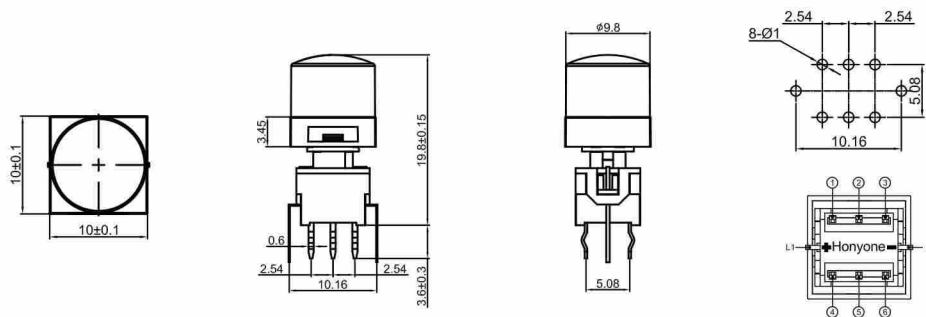
TS6-A-00-DTRG-0-1



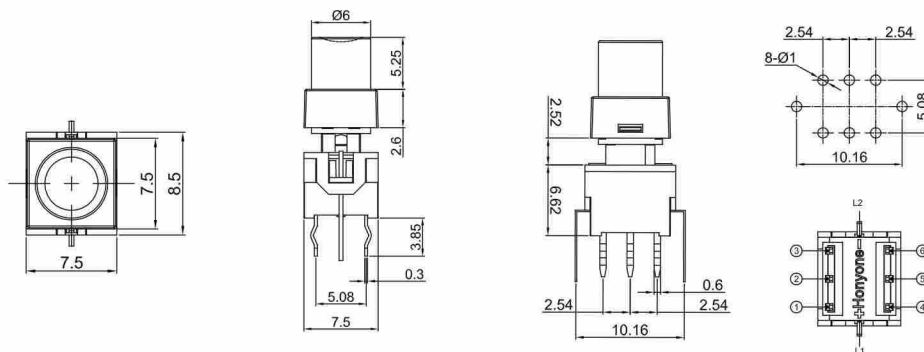
TS6-A-00-CTRG-0-1



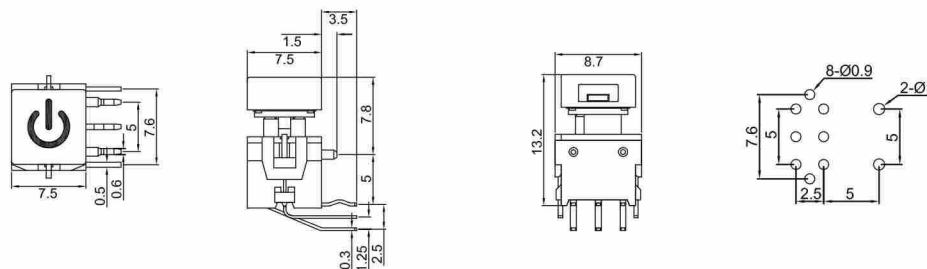
TS6-A-00-6TO-0-1



TS6-A-00-7TU-0-1



TS6-A-00-1SU-1-2



带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关

带灯轻触开关



TS5-1WW-11S



TS5-2TG-8A-11S



TS5-1WG-11S



TS5-2TR-11S

SPECIFICATIONS

Circuit	: SPST 1P1T
Current Rating	: 50mA
Voltage Rating	: 12VDC
Dielectric withstanding voltage	: 250VAC for 1 minute
Contact Resistance	: 100mΩ Max. (initial)
Insulation Resistance	: 100MΩ Min.
Operating Force	: 180±50gf or 250±50gf
Total Travel	: 0.25±0.1mm
Operating life	: 200,000 Cycles Min
Solder Specifications	: 260°C for 3 Seconds
Function	: Momentary
Operating Temperature	: -20°C ~ +70°C

带灯按钮开关

按钮开关

Feature-
samll size
full color LED illuminated available
long electrical life cycles
SMT and vertical PCB terminal

Applications-
consumer products
computer products
instrumentation
communication equipments

特点:
最小尺寸
全彩LED灯色
长寿命
SMT贴片端子

应用领域:
消费电子产品
电脑周边产品
仪器仪表
通信设备

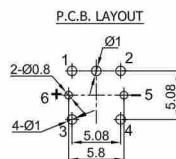
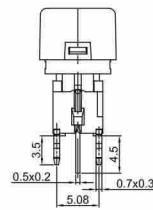
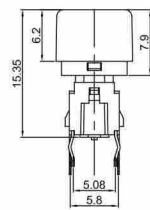
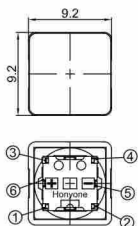
LED SPECIFICATIONS

	ATTENTION	Unit	Value / LED Color				
			Blue	Green	Red	White	Yellow
FORWARD CURRENT	(+) (-) LEDs are Electrostatic Sensitive devices	If	20	20	20	20	20
REVERSE VOLTAGE		Vr	5.0	5.0	5.0	5.0	5.0
REVERSE CURRENT		Ir	10	10	10	10	10
FORWARD VOLTAGE		Vf	2.8-3.4	1.8-2.4	1.8-2.4	2.8-3.4	1.8-2.4

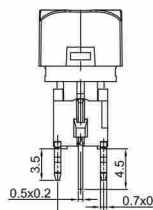
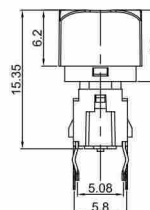
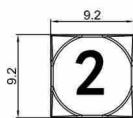
金属按钮开关



TS5-1WU-11S



TS5-2TO-2A-11S

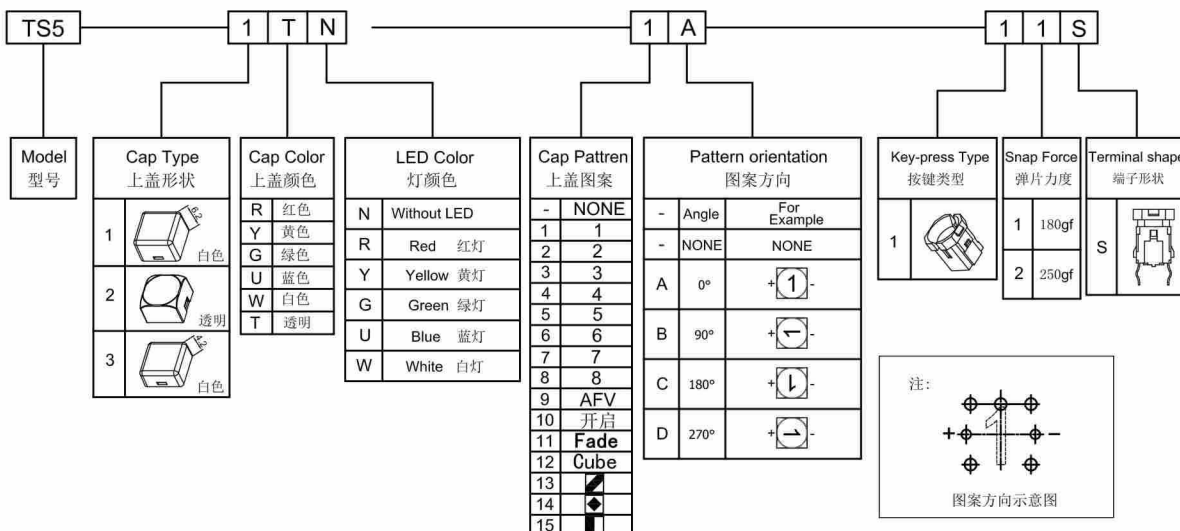


CIRCUIT



翘板开关

保险丝座



光电触摸开关

旋转开关

带灯轻触开关
带灯按钮开关
按钮开关
金属按钮开关
翘板开关
保险丝座
光电触摸开关
旋转开关

Compact, Bright, Even illumination

Illuminated Tactile Switch

TS7 SERIES



SPECIFICATIONS

Circuit	:SPST
Current Rating	:50mA
Voltage Rating	:5-24VDC
Dielectric withstanding voltage	:500VAC for 1 minute
Contact Resistance	:100mΩ Max .(initial)
Insulation Resistance	:100MΩ Min.
Operating Force	:160±50gf or 230±50gf
Total Travel	:0.25±0.1mm
Operating life	:300,000 Cycles Min
Soldear Specifications	:260°C for 3 Seconds
Function	:Momentary
Operating Temperature	:-20°C~+70°C

Bright and even illumination

双亮度显示

Three-color illumination

全彩R.G.B三色显示

Snap-action contact construction for a positive click action.

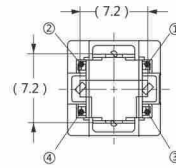
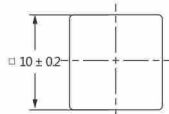
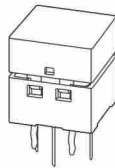
高可靠性

High Contact Reliability with sealed structure

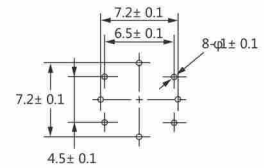
全密封防水结构



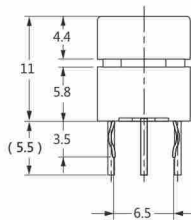
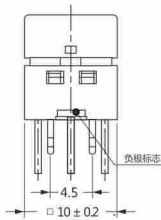
TS7-1W-R-0



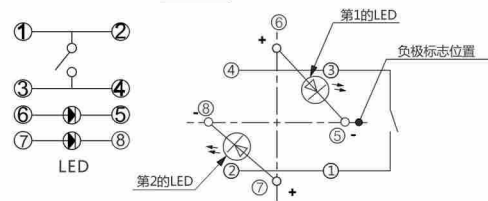
P.C.B. LAYOUT



TS7-2T-U-0



CIRCUIT



TS7	2	T	R	1
Model 型号	Cap Type 上盖形状	Cap Color 上盖颜色	LED Color 灯颜色	Legend 图案
	1	W White 乳白色	N Without LED	0 None
	2	R Red 红色	R Red 红灯	1 OFF --(RED) ON --(Green or Blue)
		G Green 绿色	Y Yellow 黄灯	2 切 --(RED) 入 --(Green or Blue)
		U Blue 蓝色	G Green 绿灯	3 闭 --(RED) 开 --(Green or Blue)
		Y Yellow 黄色	U Blue 蓝灯	4 X --(RED) O --(Green or Blue)
		T Transparent 透明	W White 白灯	5 ▼ --(RED) ▲ --(Green or Blue)
			RG Red+Green 红+绿	
			RU Red+Blue 红+蓝	

带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

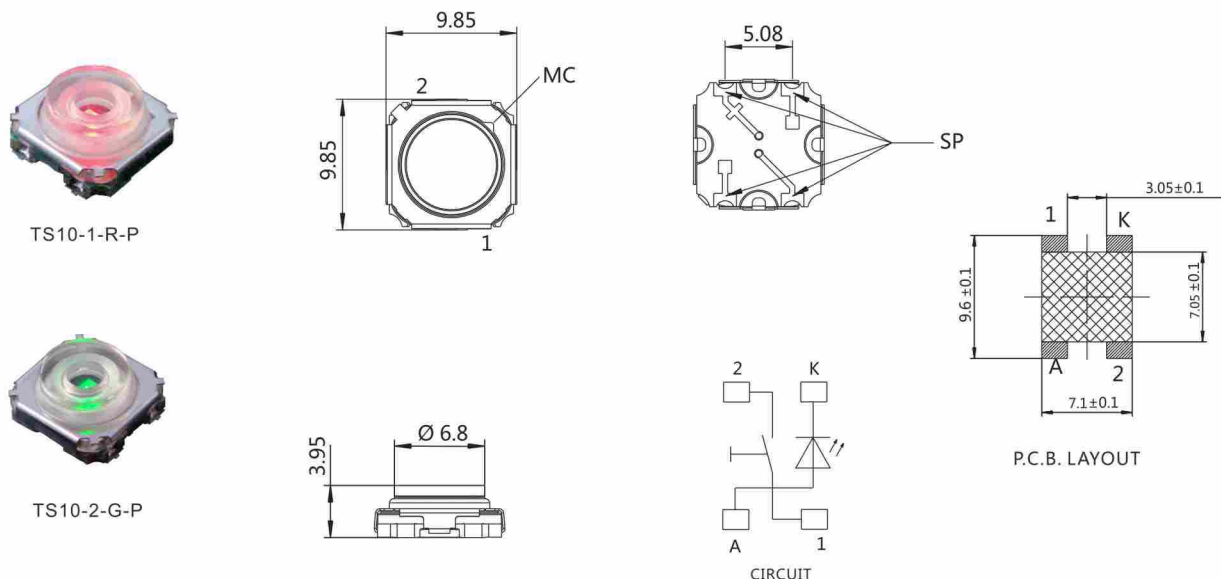
光电触摸开关

旋转开关



SPECIFICATIONS

Circuit	: SPST with LED
Current Rating	: 50mA
Voltage Rating	: 28VDC
Dielectric withstanding voltage	: 250VAC for 1 minute
Contact Resistance	: 100mΩ Max. (initial DC5V 1mA)
Insulation Resistance	: 500MΩ Min.
Operating Force	: 500±150gf
Total Travel	: 1.2±0.3mm
Operating Force	: 500,000 Cycles Min
Solder Specifications	: 260°C for 3 Seconds
Function	: Momentary
Operating Temperature	: -40°C~+95°C



TS10	1	R	S
Model 型号	Operating Force 操作力	LED Color 灯颜色	Terminal shape 端子形状
	1 400gf 2 600gf	N Without LED R Red 红灯 Y Yellow 黄灯 G Green 绿灯 U Blue 蓝灯 W White 白灯 O Orange 橘灯 R/G Red/Green 红绿灯 R/U Red/Blue 红蓝灯	S P DIP SMT



TS9-TR-R-0



TS9-TG-G-0

产品特性

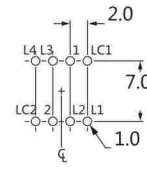
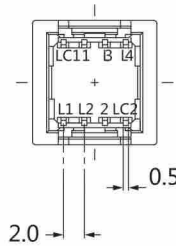
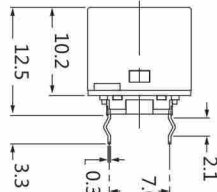
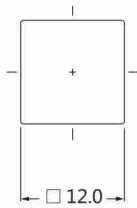
- ◆ 硅橡胶结构动作更轻滑
- ◆ 1.5mm的清晰长行程
- ◆ 盖帽单色或双色LED全发光
- ◆ 双色LED图案更替显示

SPECIFICATIONS

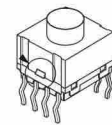
Circuit	: SPST 1P1T with LED
Current Rating	: 50mA
Voltage Rating	: 28VDC
Dielectric withstanding voltage	: 250VAC for 1 minute
Contact Resistance	: 50mΩ Max. (initial)
Insulation Resistance	: 500MΩ Min.
Operating Force	: 250±50gf or 150±50gf
Total Travel	: 1.5±0.3mm
Operating	: 500,000 Cycles Min
Solder Specifications	: 260°C for 3 Seconds
Function	: Momentary
Operating Temperature	: -25°C ~ +50°C



TS9-TR-R-0

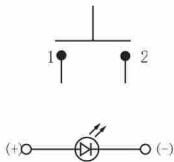


P.C.B. LAYOUT

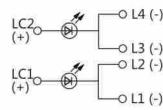


TS9-TW-R/G-1

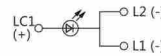
CIRCUIT



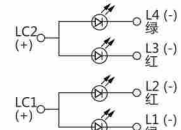
琥珀色LED (三色)



红色或绿色 LED (单色)



红 / 绿LED (双色)



TS9	T	W	R	1
Model 型号	Cap Color 上盖颜色	Diffuser Plate Color 散光器颜色	LED Color 灯颜色	Legend 图案
	T Transparent 透明	W White 白色	N Without LED	0 None
	R Red 红色	R Red 红色	R Red 红灯	1 OFF --(RED) ON --(Green or Blue)
	B Black 黑色	G Green 绿色	G Green 绿灯	2 start --(RED) stop --(Green or Blue)
	W White 白色	M Amber 琥珀色	R/G Red/Green 红/绿	3 open --(RED) close --(Green or Blue)
			R+G Red+Blue 红+绿	

TS12 SERIES LED TACT SWITCHES

带灯轻触开关



TS12-1G1-G-4A-S



TS12-1W1-W-P



TS12-1R2-R-1A-S



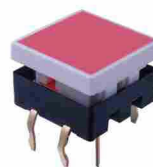
TS12-1W1-U-Q2A-S

SPECIFICATIONS

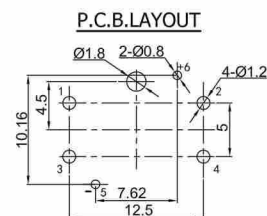
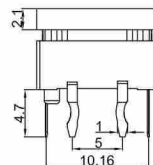
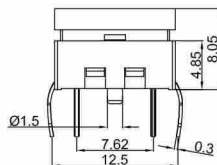
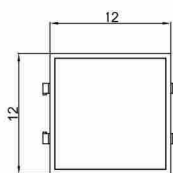
Circuit	:SPST
Current Rating	:50mA
Voltage Rating	:12VDC
Dielectric withstanding voltage	:250VAC for 1 minute
Contact Resistance	:100mΩ Max .(initial)
Insulation Resistance	:100MΩ Min.
Operating Force	:250±50gf
Total Travel	:0.4±0.15mm
Operating life	:500,000 Cycles Min
Solder Specifications	:260°C for 5 Seconds
Function	:Momentary
Operating Temperature	:-20°C~ +70°C

带灯按钮开关

按钮开关



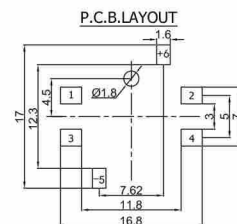
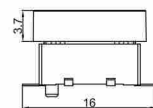
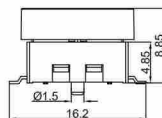
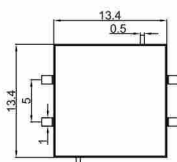
TS12-1R0-R-S



金属按钮开关

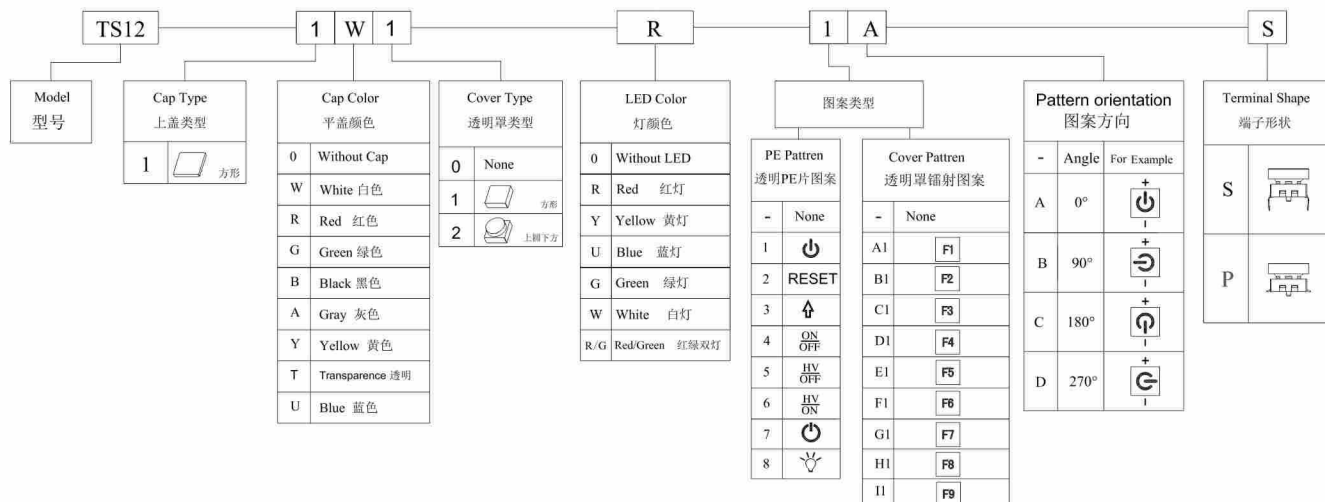


TS12-1G1-G-6A-S



翘板开关

保险插座



光电触摸开关

旋转开关

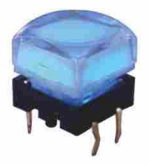
带灯轻触开关



TS26-4-TW-R-S



TS26-1-TW-G-S



TS26-1-TW-U-S



TS26-2-TW-Y-3A-S

SPECIFICATIONS

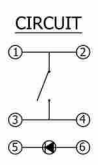
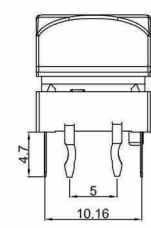
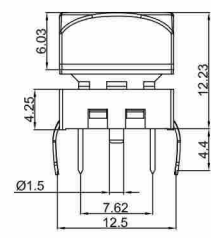
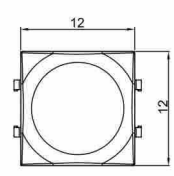
Circuit	:SPST 1P1T with LED
Current Rating	:50mA
Voltage Rating	:12VDC
Dielectric withstanding voltage	:250VAC for 1 minute
Contact Resistance	:100mΩ Max .(initial)
Insulation Resistance	:100MΩ Min.
Operating Force	:250±50gf
Total Travel	:0.4±0.15mm
Operating life	:200,000 Cycles Min
Solder Specifications	:260°C for 3 Seconds
Function	:Momentary
Operating Temperature	:-20°C~ +70°C

带灯按钮开关

按钮开关



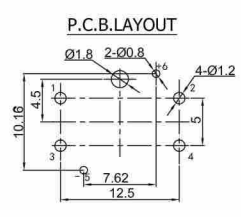
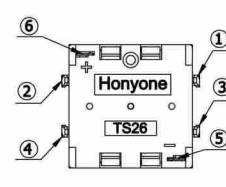
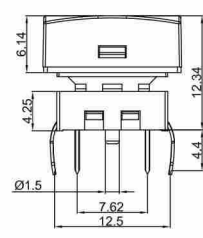
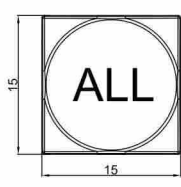
TS26-1-TW-G-S



金属按钮开关



TS26-2-TW-R-2A-S



翘板开关

保险丝座

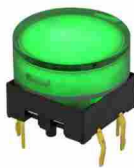
TS26	1	T W	R	0 A	S		
Model 型号	Cap Type 上盖形状	Cap Color 上盖颜色	Diffuser Color 散光片颜色	LED Color 灯颜色	Legend 图案	Pattern orientation 图案方向	Terminal Shape 端子形状
1		T Transparent 透明 R Red 红色 G Green 绿色 Y Yellow 黄色 U Blue 蓝色	W White 白色 R Red 红色 G Green 绿色 Y Yellow 黄色 U Blue 蓝色	N Without LED R Red 红灯 Y Yellow 黄灯 G Green 绿灯 U Blue 蓝灯 W White 白灯 R/G Red/Green 红/绿 R/U Red/Blue 红/蓝	- None 1 2 ALL 3 MUTE 4 DVI 1 5 HDMI 2	Angle For Example A 0° B 90° C 180° D 270°	S P

光电触摸开关

旋转开关



TS27-1-RW-R



TS27-1-TW-G



TS27-1-TW-O-7A



TS27-1-TW-28A

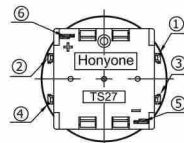
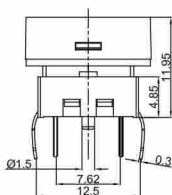
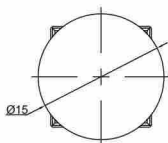


SPECIFICATIONS

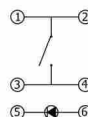
Circuit	:SPDT
Current Rating	:50mA
Voltage Rating	:12VDC
Dielectric withstanding voltage	:250VAC for 1 minute
Contact Resistance	:100mΩ Max .(initial)
Insulation Resistance	:100MΩ Min.
Operating Force	:250±50gf
Total Travel	:0.4±0.15mm
Operating life	:200,000 Cycles Min
Solder Specifications	:260°C for 3 Seconds
Function	:Momentary
Operating Temperature	:-20°C~+70°C



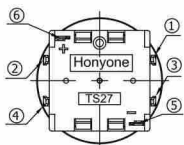
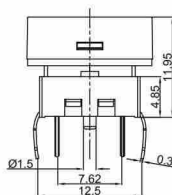
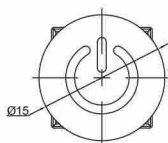
TS27-1-TW-W



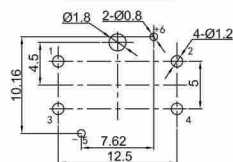
CIRCUIT



TS27-1-BW-U-1A



P.C.B.LAYOUT



TS27	1	T W	R	0 A	S																																																																						
Model 型号	Cap Type 上盖形状	Cap Color 上盖颜色	Diffuser Color 散光片颜色	LED Color 灯颜色	Legend 图案	Pattern orientation 图案方向	Terminal Shape 端子形状																																																																				
	1	<table border="1"> <tr><td>T</td><td>Transparent 透明</td></tr> <tr><td>R</td><td>Red 红色</td></tr> <tr><td>G</td><td>Green 绿色</td></tr> <tr><td>Y</td><td>Yellow 黄色</td></tr> <tr><td>U</td><td>Blue 蓝色</td></tr> <tr><td>B</td><td>Black 黑色</td></tr> </table>	T	Transparent 透明	R	Red 红色	G	Green 绿色	Y	Yellow 黄色	U	Blue 蓝色	B	Black 黑色	<table border="1"> <tr><td>W</td><td>White 白色</td></tr> <tr><td>R</td><td>Red 红色</td></tr> <tr><td>G</td><td>Green 绿色</td></tr> <tr><td>Y</td><td>Yellow 黄色</td></tr> <tr><td>U</td><td>Blue 蓝色</td></tr> <tr><td>B</td><td>Black 黑色</td></tr> </table>	W	White 白色	R	Red 红色	G	Green 绿色	Y	Yellow 黄色	U	Blue 蓝色	B	Black 黑色	<table border="1"> <tr><td>N</td><td>Without LED</td></tr> <tr><td>R</td><td>Red 红灯</td></tr> <tr><td>Y</td><td>Yellow 黄灯</td></tr> <tr><td>G</td><td>Green 绿灯</td></tr> <tr><td>U</td><td>Blue 蓝灯</td></tr> <tr><td>W</td><td>White 白灯</td></tr> <tr><td>R/G</td><td>Red/Green 红/绿</td></tr> <tr><td>R/U</td><td>Red/Blue 红/蓝</td></tr> </table>	N	Without LED	R	Red 红灯	Y	Yellow 黄灯	G	Green 绿灯	U	Blue 蓝灯	W	White 白灯	R/G	Red/Green 红/绿	R/U	Red/Blue 红/蓝	<table border="1"> <tr><td>-</td><td>None</td></tr> <tr><td>1</td><td></td></tr> <tr><td>2</td><td></td></tr> <tr><td>3</td><td></td></tr> <tr><td>4</td><td></td></tr> <tr><td>5</td><td></td></tr> <tr><td>6</td><td></td></tr> </table> <p>见附表一</p>	-	None	1		2		3		4		5		6		<table border="1"> <tr><th>Angle</th><th>For Example</th></tr> <tr><td>A</td><td>0° </td></tr> <tr><td>B</td><td>90° </td></tr> <tr><td>C</td><td>180° </td></tr> <tr><td>D</td><td>270° </td></tr> </table>	Angle	For Example	A	0°	B	90°	C	180°	D	270°	<table border="1"> <tr><td>S</td><td></td></tr> <tr><td>P</td><td></td></tr> </table>	S		P	
T	Transparent 透明																																																																										
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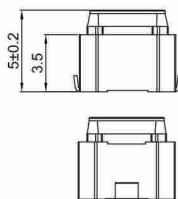
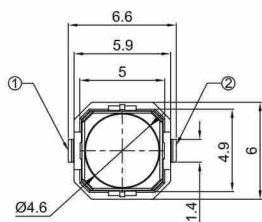


SPECIFICATIONS

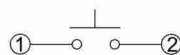
Circuit	: SPST
Current Rating	: 50mA/μA10
Voltage Rating	: 16V DC/1V DC
Dielectric withstanding voltage	: 250VAC for 1 minute
Contact Resistance	: 100mΩ Max. (initial)
Insulation Resistance	: 100MΩ Min.
Operating Force	: 150±80gf
Full Travel	: 1.3±0.4mm
Life Test:	: 100,000 Cycles Min
Solder Specifications	: 260°C for 5 Seconds
Opernating Temperature	: -40°C~+90°C



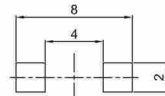
TS66-A-BB-1S



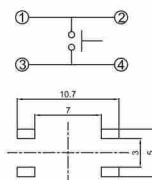
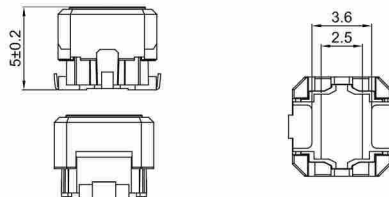
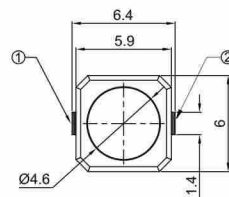
CIRCUIT



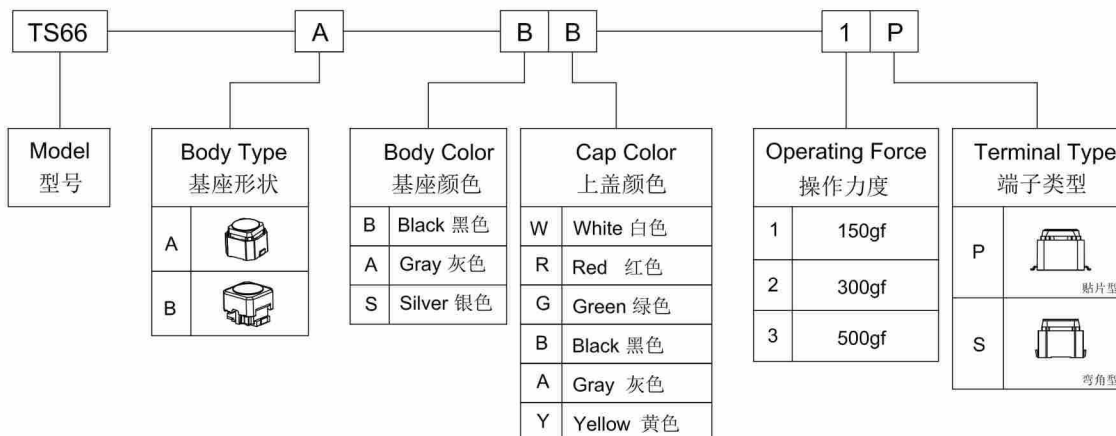
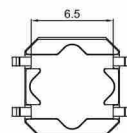
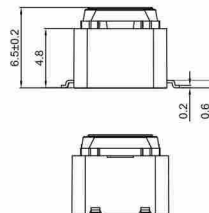
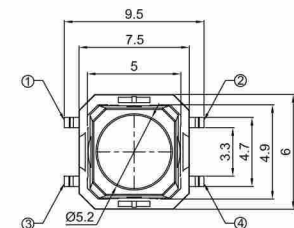
P.C.B. LAYOUT



TS66-B-BB-2S



TS66-A-BB-3P



Honyone



带灯按钮开关
LED PUSH BUTTON SWITCHES

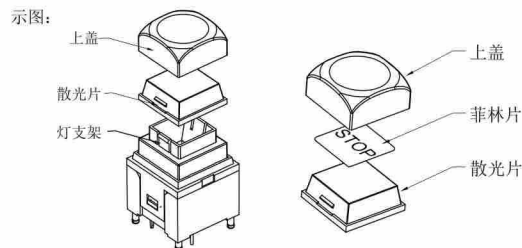
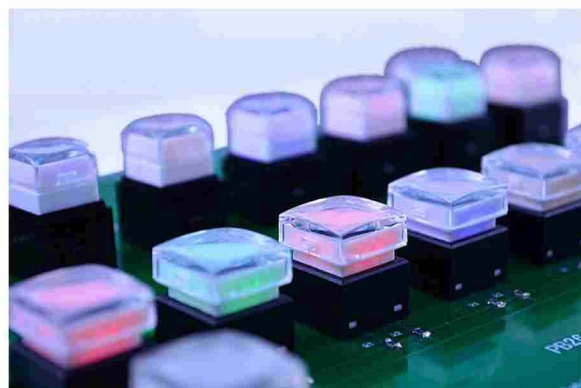
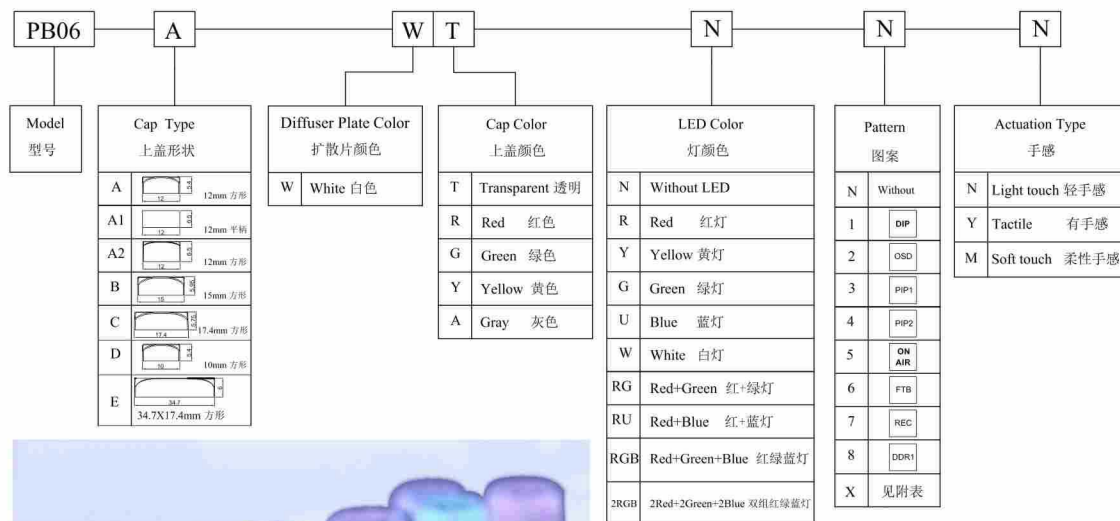


PB06-A1-WT-W-N-N PB06-A1-WT-R-N-N PB06-A-WT-G-N-N PB06-A-WT-O-27-Y PB06-A-WT-G-21-Y PB06-A-WT-U-N-Y

SPECIFICATIONS

Circuit	OFF-(ON)/Momentary SPST
Current Rating	:100mA
Voltage Rating	:12VDC
Dielectric voltage	:250VAC for 1 minute
Contact Resistance	:200mΩ Max .(initial)
Insulation Resistance	:100MΩ Min.
Operating Force	:250±100gf
Total Travel	4.5±0.2mm
Operating life	:1,000,000 Cycles Min
Manual wdding	:350°C for 5 Seconds
Openrating Temperature	:-20°C~+70°C

LED SPECIFICATIONS					
ATTENTION LEDs are Electrostatic Sensitive devices	Unit	Value / LED Color			
		Ultra Blue	Pure Green	Ultra Red	
FORWARD CURRENT	If	mA	20	20	20
REVERSE VOLTAGE	Vr	V	5.0	5.0	5.0
REVERSE CURRENT	Ir	μA	10	10	10
FORWARD VOLTAGE@20mA	Vf	V	2.7-3.7	2.7-3.7	1.8-2.4



带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关



PB06-B-WT-R-27-Y



PB06-C-WT-RU-N-N



PB06-B-WA-R-47-Y

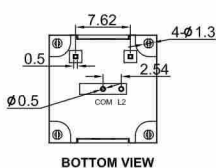
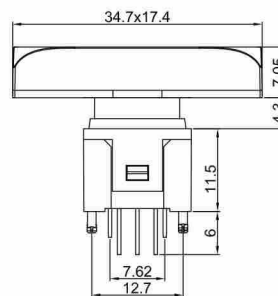
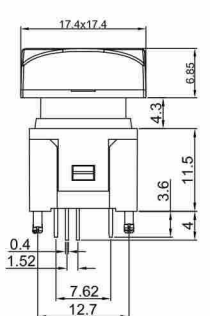
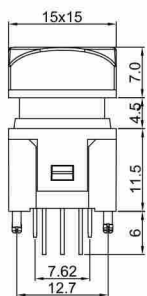
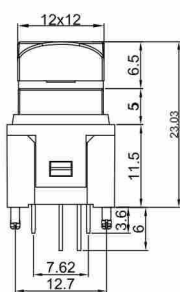
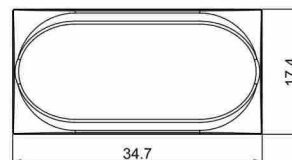
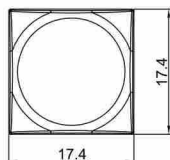
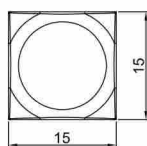
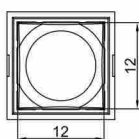
专利 patent



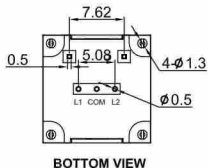
PB06-B-WT-G-134-Y



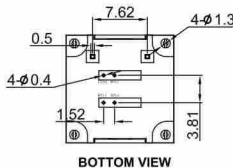
PB06-E-WT-U-N-Y



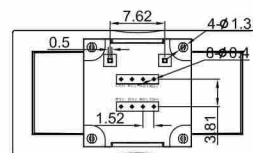
BOTTOM VIEW



BOTTOM VIEW



BOTTOM VIEW



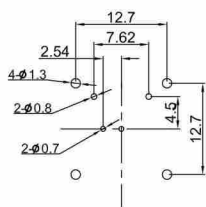
BOTTOM VIEW

P.C.B. LAYOUT

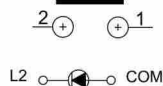
P.C.B. LAYOUT

P.C.B. LAYOUT

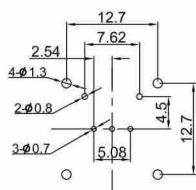
P.C.B. LAYOUT



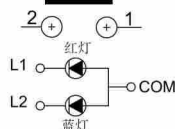
CIRCUIT



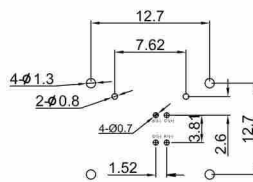
单色
Single Color



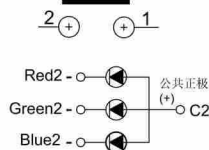
CIRCUIT



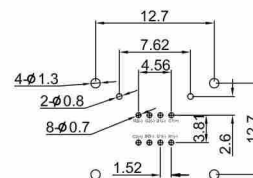
双色
Double Color



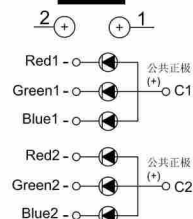
CIRCUIT



三色 (红、绿、蓝)
R、G、B Color 6P



CIRCUIT



三色 (红、绿、蓝)
R、G、B Color 10P



PB26-13M-B-WR-R-N

PB26-13M-B-WG-G-N

PB26-13M-B-WT-U-120

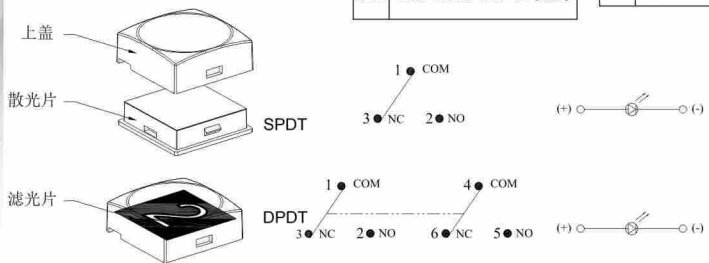
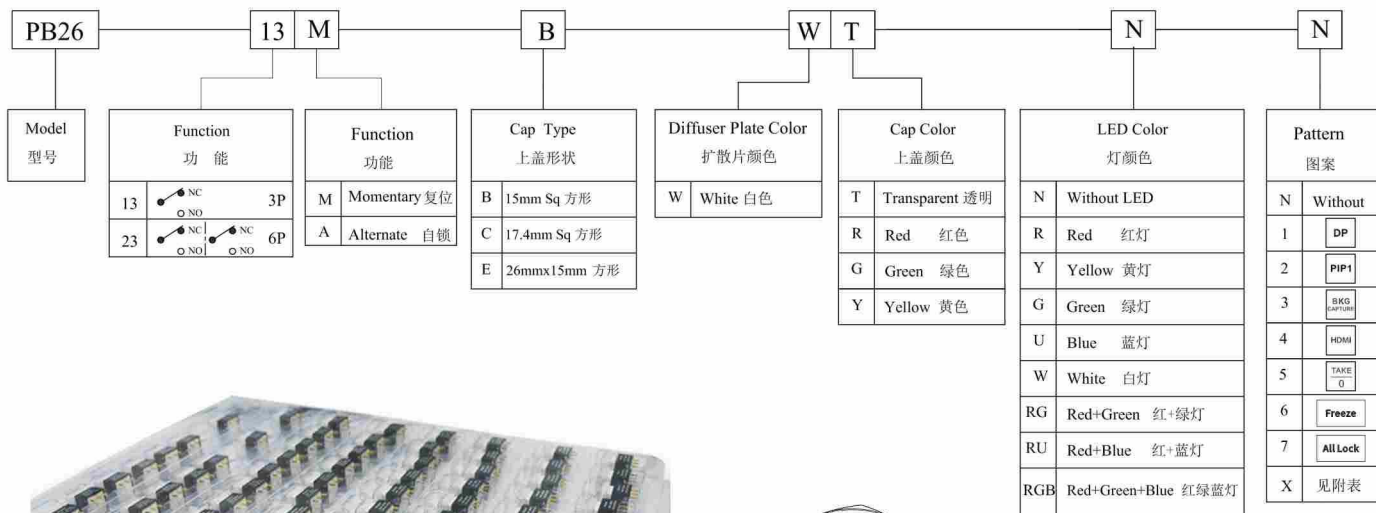
PB26-13M-B-WT-R-121

PB26-13M-E-WY-Y-423

SPECIFICATIONS

Circuit	: ON-OFF SPDT DPDT
Rating	: 0.4VA/28VAC
Dielectric voltage	: 500VAC for 1 minute
Contact Resistance	: 100mΩ Max. (initial)
Insulation Resistance	: DC500V 100MΩMin
Operating Force	: 200±100gf
Total Travel	: 2.2±0.5mm
Operating life	: 2,00,000 Cycles Min
Solder Specifications	: 350°C for 5 Seconds
Operating Temperature	: -25°C ~ +70°C

LED SPECIFICATIONS					
ATTENTION LEDs are Electrostatic Sensitive devices	Unit	Value / LED Color			
		Ultra Blue	Pure Green	Ultra Red	
FORWARD CURRENT	If	mA	20	20	20
REVERSE VOLTAGE	Vr	V	5.0	5.0	5.0
REVERSE CURRENT	Ir	μA	10	10	10
FORWARD VOLTAGE@20mA	Vf	V	2.7-3.7	2.7-3.7	1.8-2.4



带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

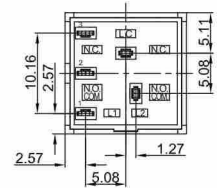
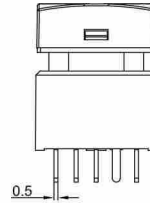
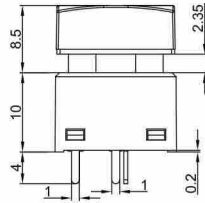
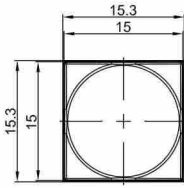
保险丝座

光电触摸开关

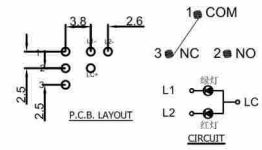
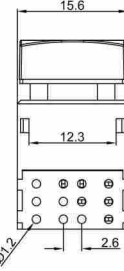
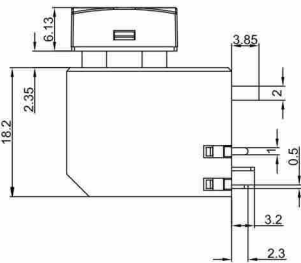
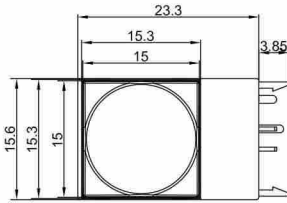
旋转开关



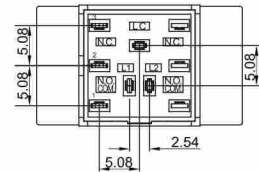
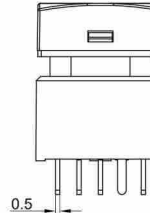
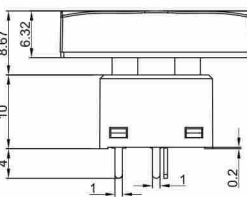
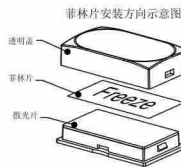
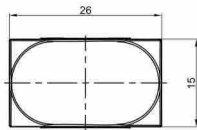
专利 patent



PB26-13A-B-WT-RG-N



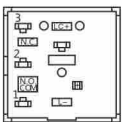
PB26-23A-B-WT-RG-N



PB26-13A-E-WR-R-423

印刷电路板安装

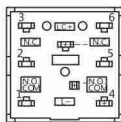
单极单灯



Bottom View

SP, 单色LED

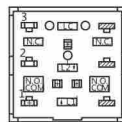
双极单灯



Bottom View

DP, 单色LED

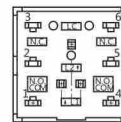
单极双灯



Bottom View

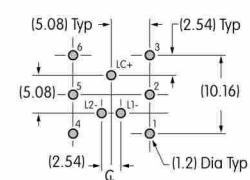
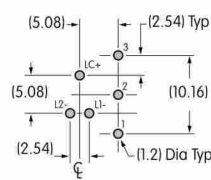
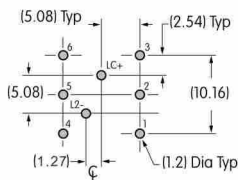
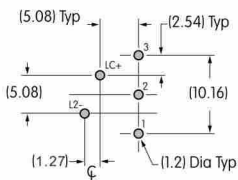
SP, 双色LED

双极双灯



Bottom View

DP, 双色LED



带灯轻触开关

带灯按钮开关

按钮开关

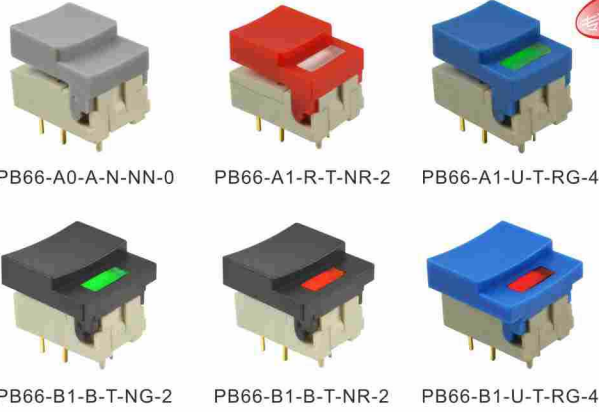
金属按钮开关

翘板开关

保险丝座

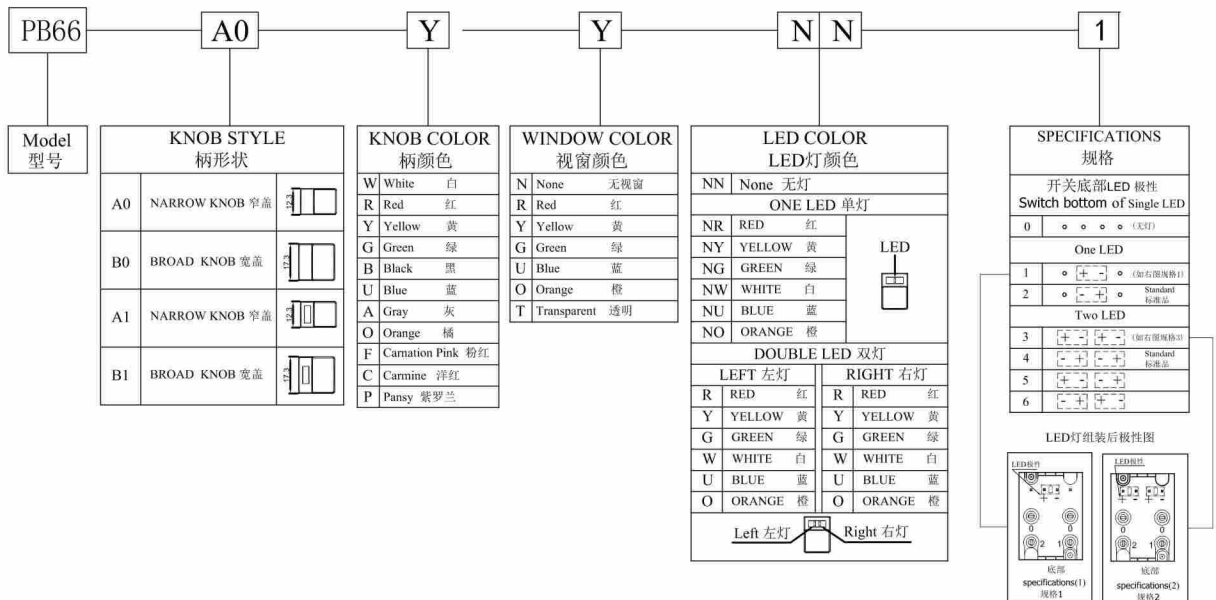
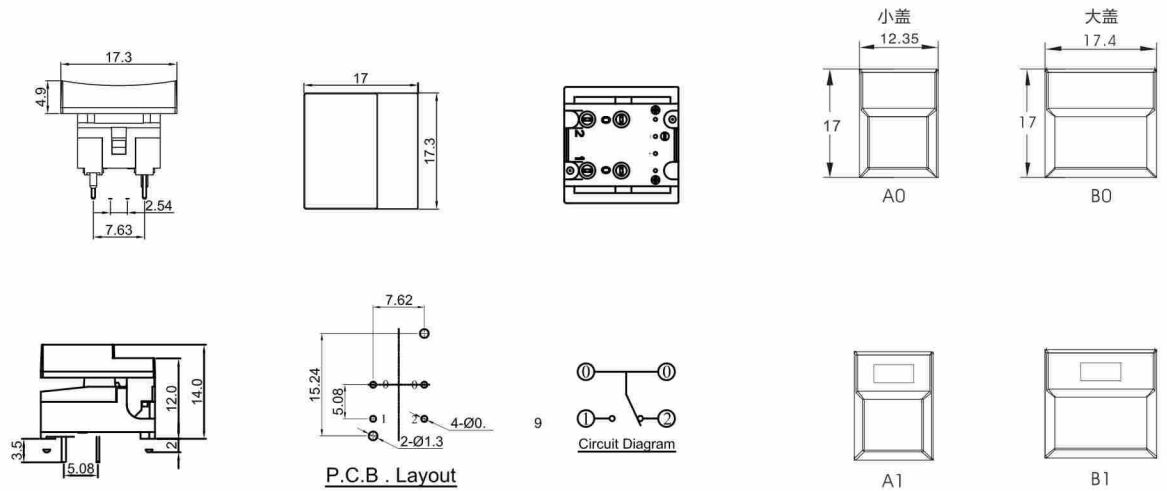
光电触摸开关

旋转开关



SPECIFICATIONS

Circuit	: SPDT
Current Rating	: 12mA
Voltage Rating	: 24VDC
Contact Resistance	: 50mΩ Max .(initial)
Insulation Resistance	: 100MΩ Min.
Operating Force	: 170±50gf
Total Travel	: 2.0±0.4mm
Operating life	: 50,000 Cycles Min
Solder Specifications	: 350°C for 3 Seconds
Function	: Momentary
Operating Temperature	: -20°C ~ +70°C

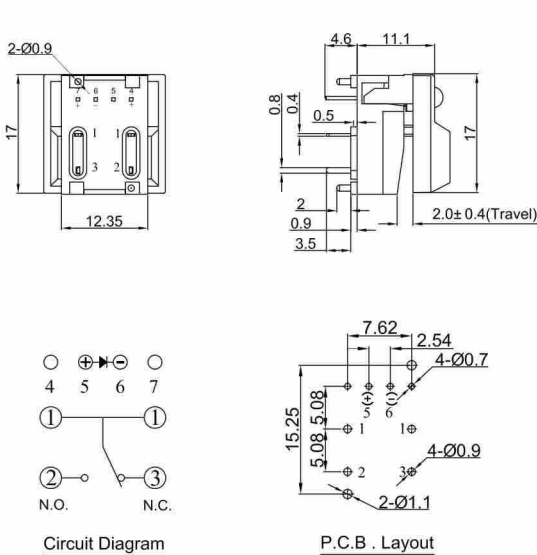


* "+"=anode
"-"=cathode
"o"=no this pin



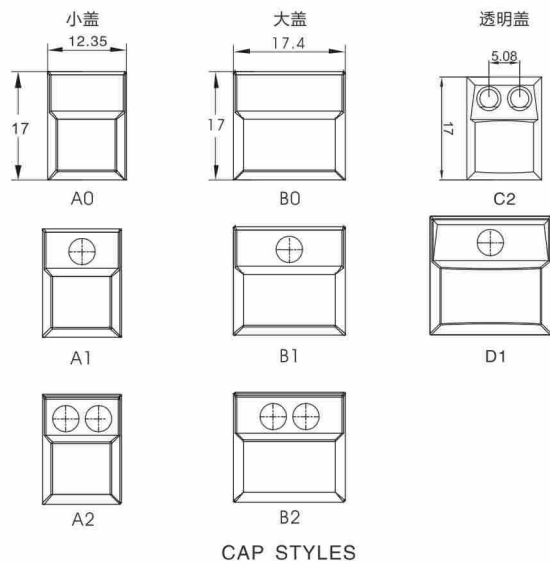
SPECIFICATIONS

Circuit	:SPDT
Current Rating	:12mA
Voltage Rating	:24VDC
Contact Resistance	:50mΩ Max .(initial)
Insulation Resistance	:100MΩ Min.
Operating Force	:170±50gf
Total Travel	:2.0±0.4mm
Operating Force	:50,000 Cycles Min
Solder Specifications	:256°C for 5 Seconds
Function	:Momentary
Operating Temperature	:-20°C~ +70°C



Circuit Diagram

P.C.B. Layout



CAP STYLES

PB86 A 0 Y N N 1 0

Model 型号	CAP STYLE 上盖形状	CAP COLOR 上盖颜色	LED COLOR LED灯颜色	SPECIFICATIONS 规格	Marking 印字
	SMALL CAP 小盖	W White 白	NN None 无灯	开关底部LED极性 Switch bottom of Single LED 1 ○ + - ○ (如下图规格1) 2 ○ - + ○ Standard 标准品 7 - ○ ○ + 8 + ○ ○ - Two LED 3 + - + - (如下图规格3) 4 - + - + Standard 标准品 5 + - - + 6 - + + - * "+"=anode "-"=cathode "o"=no this pin	0 None P VIEW
A0	Without LED 无灯	R Red 红	ONE LED 单灯		1 MENU Q STOP
A1	One-LED 单灯	Y Yellow 黄	NR RED 红		2 UP R FOCUS
A2	Two-LED 双灯	G Green 绿	NY YELLOW 黄		3 DOWN S CHANNEL
	LARGE CAP 大盖	B Black 黑	NG GREEN 绿		5 ENT T INCLUDE
B0	Without LED 无灯	U Blue 蓝	RR RED 红 RED 红		6 ESC U CONNECT
B1	One-LED 单灯	A Gray 灰	RY RED 红 YELLOW 黄	7 EXIT V NEXT SCREEN	
B2	Two-LED 双灯	O Orange 橘	RG RED 红 GREEN 绿	8 ENTER W	
	TRANSPARENT SMALL CAP 小透明盖	F Carnation Pink 粉红	YR YELLOW 黄 RED 红	9 CLEAR X	
C0	Without LED 无灯	P Carmine 洋红	YY YELLOW 黄 YELLOW 黄	A 1 Y	
C1	One-LED 单灯	* CAP STYLE "A" & "B" ONLY 备注: (仅适用"A"型&"B"型上盖)	YG YELLOW 黄 GREEN 绿	B 2 Z	
C2	Two-LED 双灯		GR GREEN 绿 RED 红	C 3 A1	
	TRANSPARENT LARGE CAP 大透明盖		GY GREEN 绿 YELLOW 黄	D 4 B1	
D0	Without LED 无灯		GG GREEN 绿 GREEN 绿	E 5	
D1	One-LED 单灯			F 6 V1 V11	
D2	Two-LED 双灯			G 7 V2 V12	
				H 8 V3 V13	
				I 9 V4 V14	
				J 0 V5 V15	
				K ← V6 V16	
				L ↑ V7 V17	
				M ↓ V8 V18	
				N → : 可定制	
				O •	

LED灯组装后极性图

带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关

带灯轻触开关

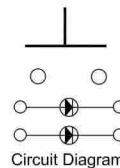
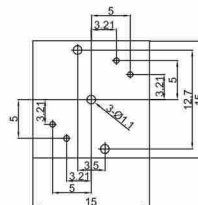
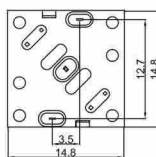
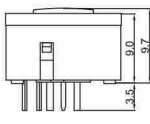
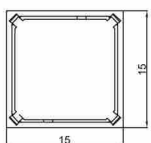
带灯按钮开关



按钮开关



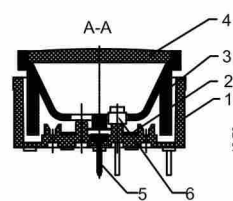
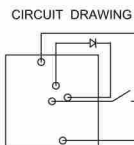
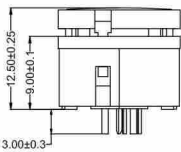
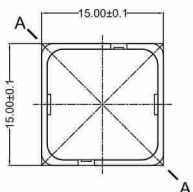
PB15-Y1YG



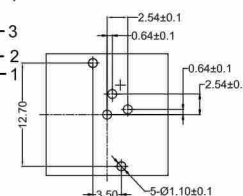
金属按钮开关



PB15-U1U



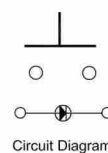
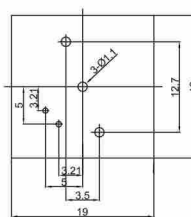
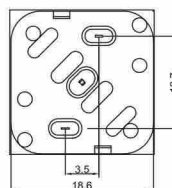
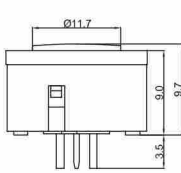
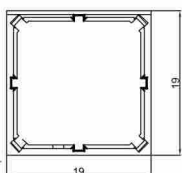
PC MOUNTING



翘板开关



PB19-R1R



保险丝座

光电触摸开关

旋转开关

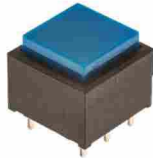
PB 15		T 1 R			
Model 型号	Size 外形尺寸	Cap Color 上盖颜色	With LED 带灯	LED Color LED颜色	
15	15X15mm	T Transparence 透明	0 None LED 不带灯	N	None
19	19X19mm	Y Yellow 黄色	1 One LED 单灯	R	Red 红色
		G Green 绿色		G	Green 绿色
		R Red 红色		Y	Yellow 黄色
				RG	Red/Green 红绿双灯
			2 Double LED 双灯	YG	Yellow/Green 黄绿双灯
				RU	Red/Yellow 红黄双灯

SPECIFICATIONS

Circuit	:SPST
Current Rating	:100mA
Voltage Rating	:42VDC 42VAC
Dielectric withstanding voltage	:2000VAC for 1 minute
Contact Resistance	:100mΩ Max .(initial)
Insulation Resistance	:100MΩ Min.
Operating life	:2,000,000 Cycles Min
Solder Specifications	:256°C for 5 Seconds
Operating Temperature	: -20°C ~ +70°C



PB46-A-23M-B-R-1R



PB46-A-23M-B-U-2RG



PB46-B-13A-B-T-1O



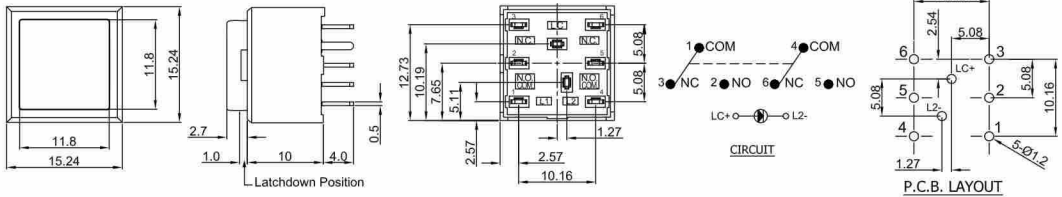
PB46-B-13M-B-T-1G

SPECIFICATIONS

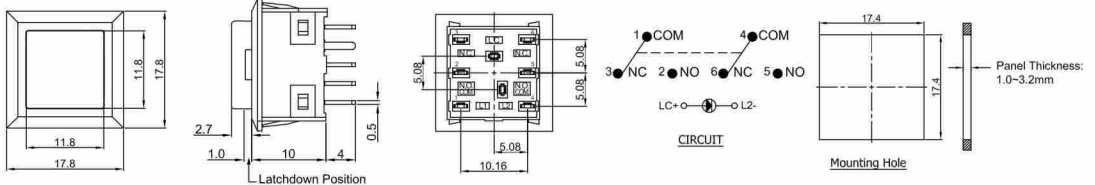
Circuit	:SPDT DPDT
Rating	:0.4VA 28VDC
Contact resistance	:100mΩMax
Insulation resistance	:DC500V 100MΩMin.
Withstand voltage	:AC500Vfor 1minute;
Operating Force	:Single pole:200±100gf; :Double pole:300±100gf;
Total Travel	:2.0±0.5mm
Mechanical life	:Over 200,000cycles;
Electrical life	:Over 30,000cycles
Manual welding	:350°Cfor 3 seconds
Operating Temperature	:-25°C~ +70°C



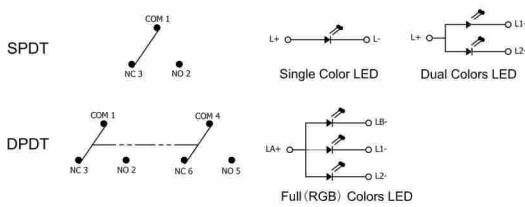
PB46-A-23M-B-W-1W



PB46-B-23M-B-T-1R



PB46	A	13 M	B	T	1 R		
Model 型号	Mounting Type 安装方式	Function 功能	Function 功能	Cap Type 上盖形状	Cap Color 上盖颜色	With LED 带灯	LED Color 灯颜色
	A PC插脚 B 卡式安装	13 3P 23 6P	M Momentary 复位 A Alternate 自锁	B 12.0mm Sq 方形 C 12.0mmx17.0mm 长方形	T Transparent 透明 R Red 红色 G Green 绿色 Y Yellow 黄色	0 None LED 不带灯 1 Single LED 单灯 2 Double LED 双灯	N Without LED R Red 红灯 Y Yellow 黄灯 G Green 绿灯 U Blue 蓝灯 W White 白灯 RG Red+Green 红+绿灯 RU Red+Blue 红+蓝灯 YG Yellow+Green 黄+绿灯 RGB Red+Green+Blue 红绿蓝灯



带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险插座

光电触摸开关

旋转开关

PB21 SERIES LED PUSH BUTTON SWITCHES

带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关



PB21-W

PB21-O

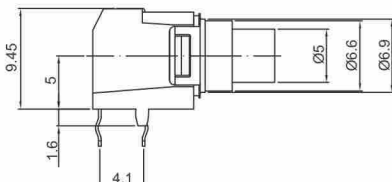
PB21-U

SPECIFICATIONS

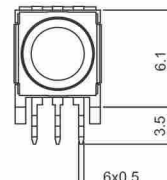
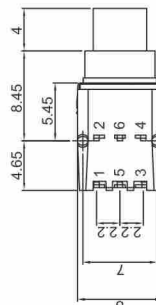
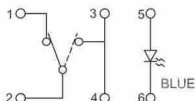
Circuit	:SPDT
Current Rating	:0.1A
Voltage Rating	:32VDC
Dielectric withstanding voltage	:250VAC for 1 minute
Contact Resistance	:100mΩ Max .(initial)
Insulation Resistance	:100MΩ Min.
Operating Force	:400±25gf
Total Travel	:2.0±0.4mm
Operating Force	:500,000 Cycles Min
Solder Specifications	:260°C for 3 Seconds
Function	:Momentary
Operating Temperature	:-20°C~+70°C



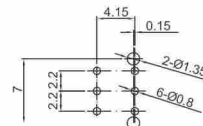
PB21-R



CIRCUIT



P.C.B. LAYOUT



PB31 SERIES LED PUSH BUTTON SWITCHES

翘板开关

保险丝座

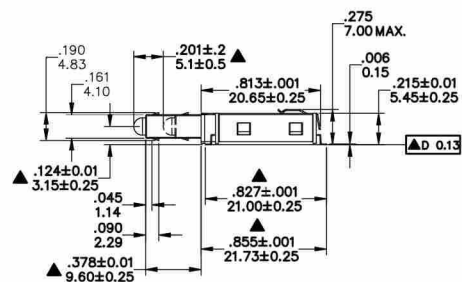
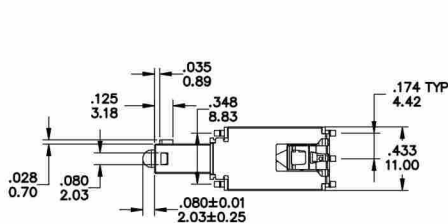
光电触摸开关

旋转开关

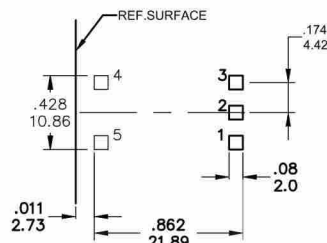
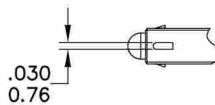
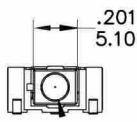


PB31-L-R

PB31-P-G



PB31-L-R



PCB MOUNTING



PB11-1-10-0NB



PB11-1-10-0R



PB11-1-10-0U



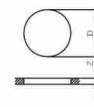
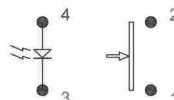
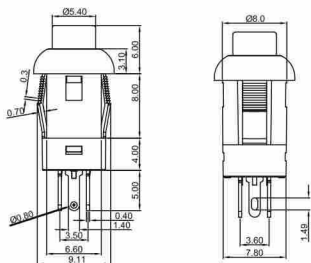
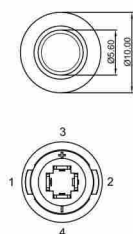
PB11-3-21-0R

SPECIFICATIONS

Rating	:0.2A 36VDC
Current Rating	:50mA
Contact Resistance	:100mΩ Max (initial)
Insulation Resistance	:100MΩ Min.
Dielectric Strength	:AC 500 V 1minute
Operating life	:10,000 Cycles Min
Operating Temperature	:-20°C~+85°C

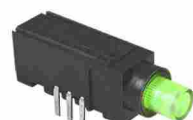


PB11-1-10-0W

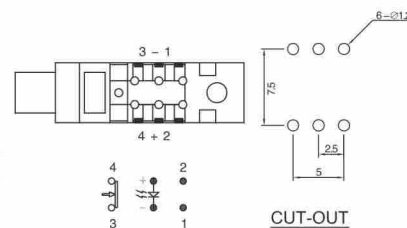
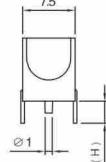
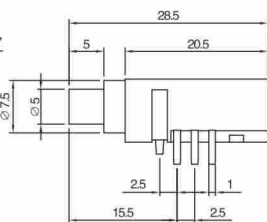
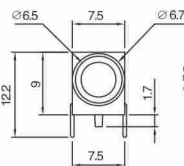


Z	D
1,0 ~ 2,0	8,0 ~ 8,2
2,0 ~ 2,5	8,2 ~ 8,4
2,5 ~ 3,0	8,4 ~ 8,6

CUT-OUT



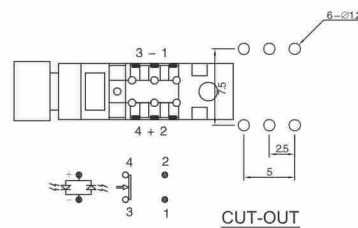
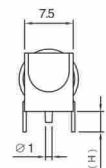
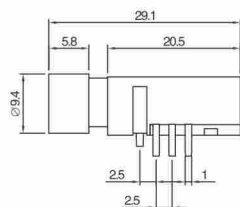
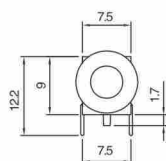
PB11-2-21-0G



CUT-OUT



PB11-2-21-1RB



CUT-OUT

Model 型号	Terminal Type 端子类型	Pole 极	Function 功能	Cap 上盖	LED Color 灯颜色	Button Color 按键颜色
PB11	1 Solder 焊锡端子	1 Single Pole 单极	0 Momentary 无锁	0 Without Cap 无上盖	N None 不带灯	/ Transparent 透明
	2 P.C.B PC端子	2 Double Pole 双极	1 Self-Lock 带锁	1 With Cap 带上盖	R Red 红色	R Red 红色
	3 SMT 贴片端子				Y Yellow 黄色	G Green 绿色
					U Blue 蓝色	U Blue 蓝色
					G Green 绿色	W White 白色
					Y/G Yellow/Green 黄绿双色	B Black 黑色

带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关

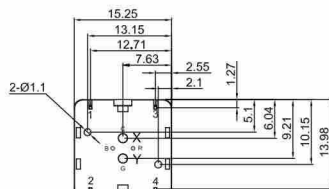
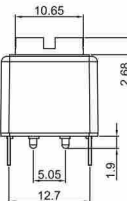
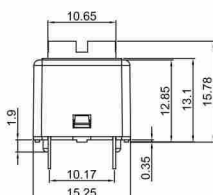
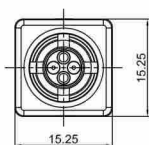


SPECIFICATIONS

Curcuit	: SPST
Current	: 500mA max
Switching Voltage	: 200VDC max
Contact Rating	: 10 Watts max
Breakdown Voltge	: 230 VDC
Initial Contact Resistance	: 150milliohms max
Insulation Across Contacts	: 10mega Ohms min
Capacitance@10kHz	: .2pF typical
Contact Bounce	: .6milliseconds max
Reed Life(With Proper Circuit)	: 50 million cycles min
Operating Temp.	: -40°C+90°C



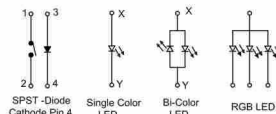
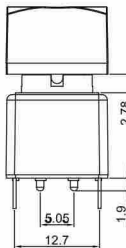
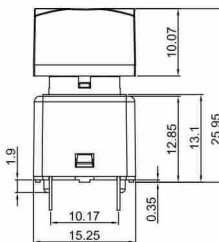
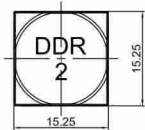
PB36-N-NN-N-NNN-11



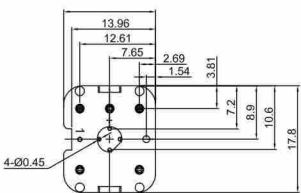
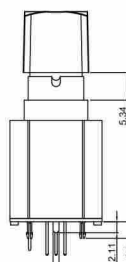
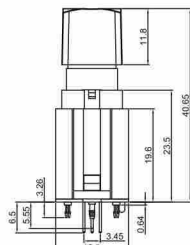
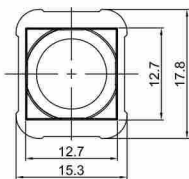
BOTTOM VIEW



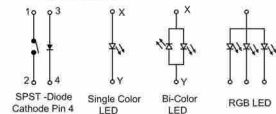
PB36-B-WY-Y-NNN-11



PB36-A-WG-G-NNN-32



BOTTOM VIEW



PB36		A		W T		R		N N N			1 1	
Model 型号	Cover the shape 上盖形状	Diffuser Plate Color 扩散片颜色	Cap Color 上盖颜色	LED Color 灯颜色	Pictorial Effect 图案效果	Pattern 图案	Pattern orientation 图案方向	Body Type 基座形状	Operating Force 操作力			
N	Without Cap	W White 白色	T Transparent 透明	N Without LED	N 无图案 Without Films Pattern	N Without Transparent piece	N NONE NONE	1	1			
A	12.7mm Sq 方形		W White 白色	R Red 红灯	F 非林片图案 Films Pattern	1 1	A 0°	2	2			
B	15.25mm Sq 方形		R Red 红色	Y Yellow 黄灯	L 镭雕图案 Laser carve Pattern	2 DDR 2	B 90°	3	3			
C	17.8mm Sq 方形		G Green 绿色	G Green 绿灯	U UV图案 UV Pattern	3 MIX	C 180°	4	4			
D	19.05mm Sq 方形		Y Yellow 黄色	U Blue 蓝灯		4 STR	D 270°	5	5			
E	18.4x27.9mm 方形		U Blue 蓝色	W White 白灯		5 SRC						
F	18.4x38.5mm 方形			W2 White 超亮白灯		1 可根据需求制定						
				RG Red+Green 红+绿灯								
				RU Red+Blue 红+蓝灯								
				RGB Red+Green+Blue 红绿蓝灯								

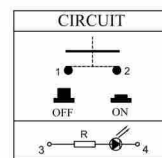
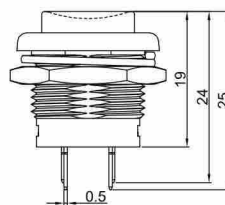
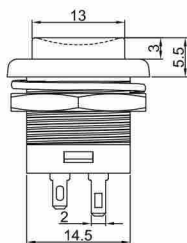
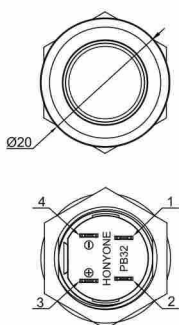


SPECIFICATIONS

Rating	:6A 125V AC 3A 250VAC
Contact Resistance	:50mΩ Max
Insulation Resistance	:100MΩ
withstand Voltage	:1000VAC for 1 Minute
Operating Force	:250±50gf
Travel	:2.4±0.4mm
Life Cycle	:50,000Cycles
Function	:OFF-(ON) ON-OFF



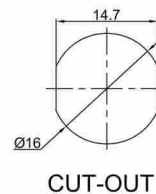
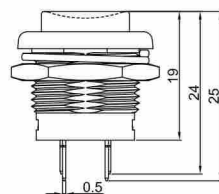
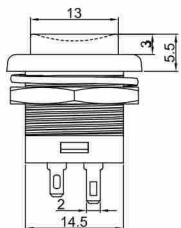
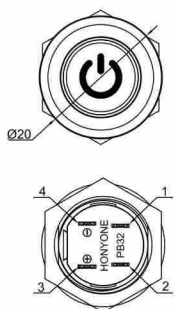
PB32-Z-1R-R2-NN



Panel Thickness: 5mm MAX.



PB32-M-1B-G3-1A



PB32	M	1	R	N	N	N	N
Model 型号	Function 开关功能	Button Type 上盖形状	Cap Color 上盖颜色	LED Color 灯颜色	Lamp Voltage 灯电压	Laser Pattern 镭射图案	Pattern orientation 图案方向
	M Momentary 复位 Z Lock 自锁	1	R Red 红色 G Green 绿色 B Black 黑色 U Blue 蓝色	N Without LED R Red 红色 W White 白色 G Green 绿色 Y Yellow 黄色 U Blue 蓝色	N Without LED 3 3V 6 6V 12 12V 110 110V 220 220V	N None 无图案 1 电源符号 2 环形符号 3 喷油无符号	A 开孔与符号相同方向 B 开孔与符号相反方向

带灯轻触开关

带灯按钮开关



按钮开关

金属按钮开关

翘板开关

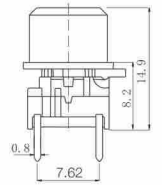
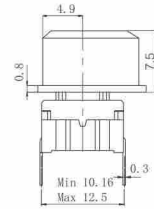
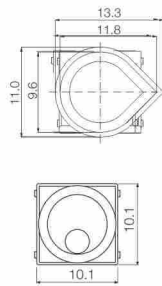
保险丝座

光电触摸开关

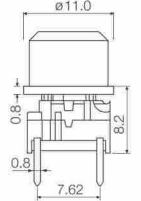
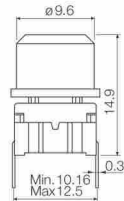
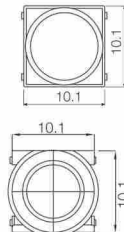
旋转开关



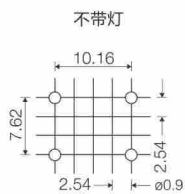
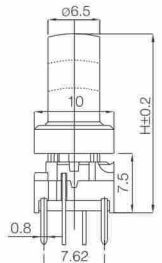
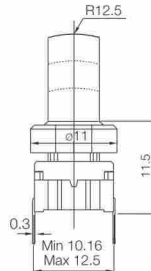
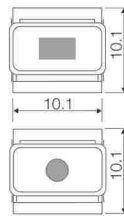
PB87-5U-NS



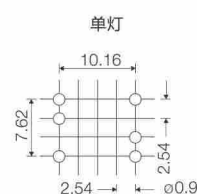
PB87-6T-RS



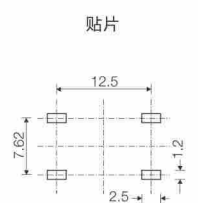
PB87-8A-RP



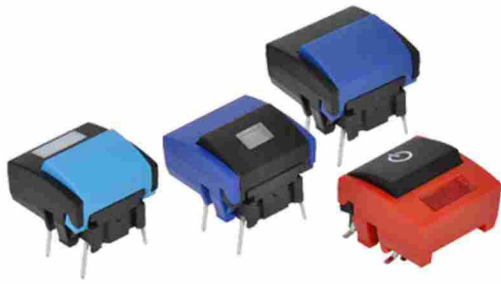
P.C.B Layout



P.C.B Layout



P.C.B Layout

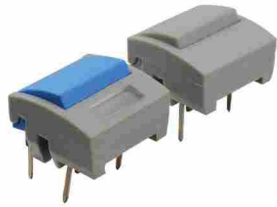
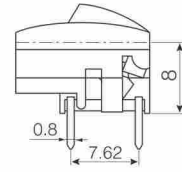
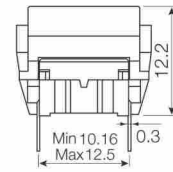
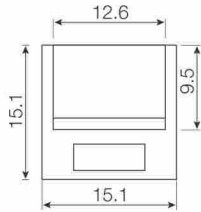
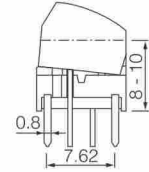
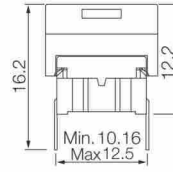
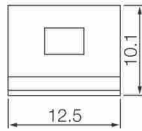


SPECIFICATIONS

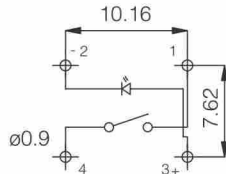
Through-hole or SMD
 50mA/24VDC
 Single pole/momentary
 10,000,000 operations life time
 IP67 sealing
 Temperature range:
 low temp:-40/+115°C
 high temp:-40/+160°C
 LED:-30/+85°C



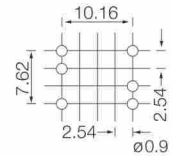
PB87-1A-NS PB87-2B-RS



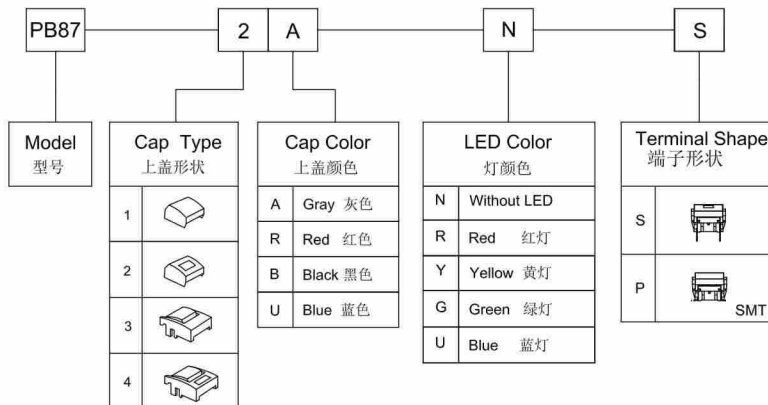
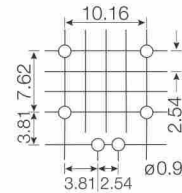
PB87-4U-RS PB87-3A-NS



CIRCUIT



P.C.B Layout



PB16 SERIES LED PUSH BUTTON SWITCHES



PB16-M-R-GG



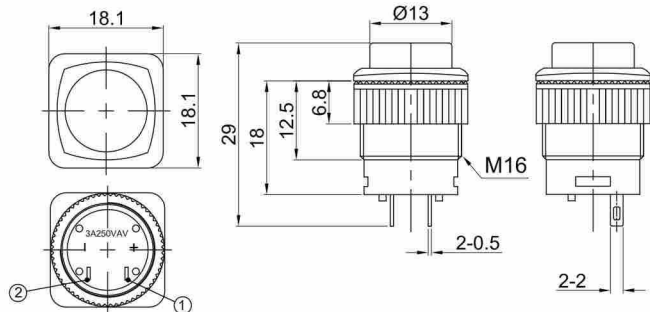
PB16-A-R-RR



PB16-M-F-RR

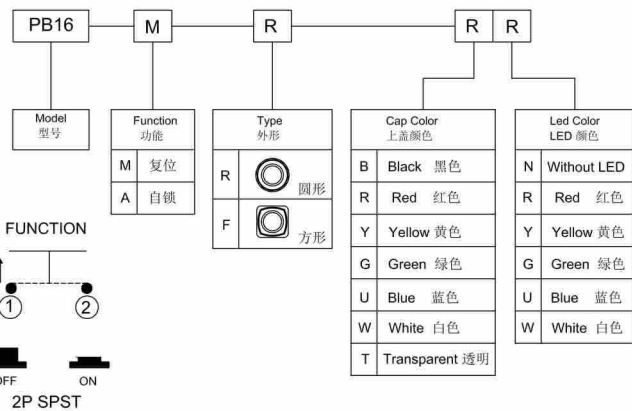


PB16-A-F-OO



SPECIFICATIONS

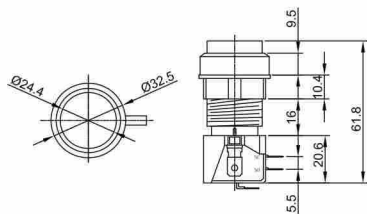
Circuit	:SPST
Switch voltage rating	:1.5A 250VAC,3A125VAC
Dielectric withstanding voltage	:1500VAC for 1 minute
Contact resistance	:20m Ω Max. (Initial)
Insulation resistance	:100M Ω Min.
Electrical Life	:25,000 cycles Min
Function	:OFF-ON
Operating temperature	:-25°C~+85°C



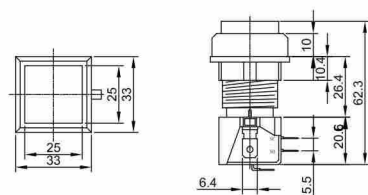
PBS SERIES LED PUSH BUTTON SWITCHES



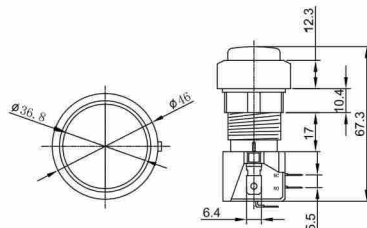
PBS 小圆按钮



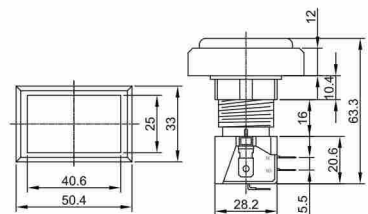
PBS 方按钮



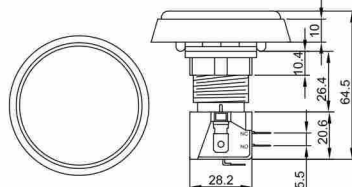
PBS 中圆按钮



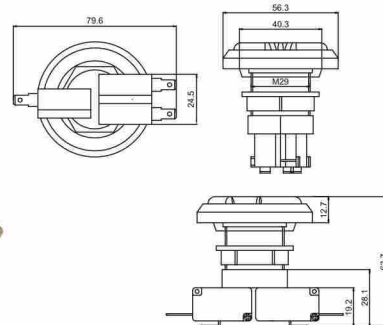
PBS 长方按钮



PBS 大圆按钮



PBS 三拼按钮



带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关

Honyone



按钮开关
PUSH BUTTON SWITCHES

带灯轻触开关

带灯按钮开关

按钮开关

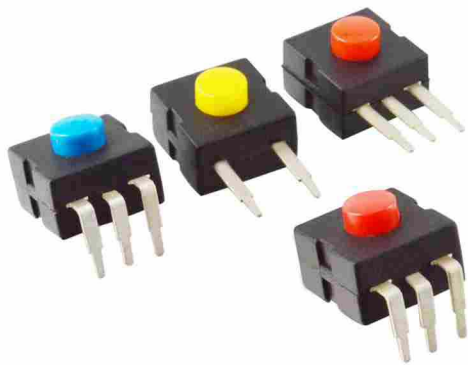
金属按钮开关

翘板开关

保险丝座

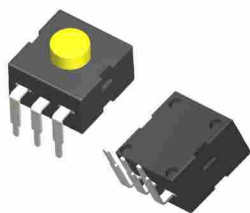
光电触摸开关

旋转开关

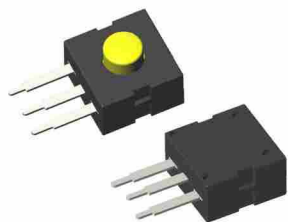
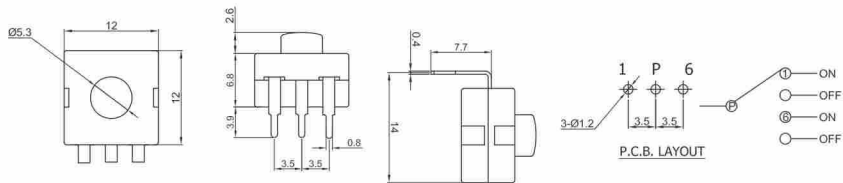


SPECIFICATIONS

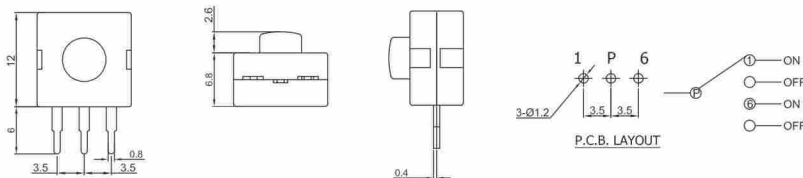
Current Rating	:1A-3A
Voltage Rating	:30VDC
Contact Resistance	:100mΩ Max
Insulation Resistance	:100MΩ
Withstand Voltage	:1000VAC for 1 Minute
Operating Force	:700±200gf
Total Travel	:1.5±0.3mm
Operating Force	:20,000 Cycles Min
Operating Temperature	:-20°C~+70°C



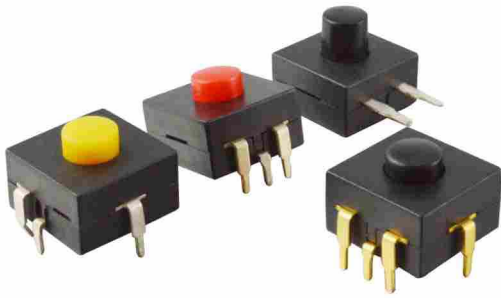
PB202-31-1-Y



PB202-31-2-Y

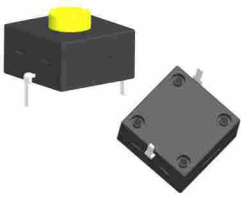


PB202	2 1	1	R																																												
Series 系列号	Function 功能	Terminal type 端子种类	Cap color 按键颜色																																												
	<table border="1"> <tr> <td>21</td> <td>ON(1-6)-OFF</td> <td>2P</td> <td></td> </tr> <tr> <td>31</td> <td>ON(P-1)-OFF-ON(P-6)-OFF</td> <td>3P</td> <td></td> </tr> <tr> <td>32</td> <td>ON(P-1-6)-OFF</td> <td>3P</td> <td></td> </tr> <tr> <td>33</td> <td>ON(P-1)-ON(P-6)</td> <td>3P</td> <td></td> </tr> <tr> <td>34</td> <td>ON(P-1)-ON(P-6)-OFF</td> <td>3P</td> <td></td> </tr> </table>	21	ON(1-6)-OFF	2P		31	ON(P-1)-OFF-ON(P-6)-OFF	3P		32	ON(P-1-6)-OFF	3P		33	ON(P-1)-ON(P-6)	3P		34	ON(P-1)-ON(P-6)-OFF	3P		<table border="1"> <tr> <td>1</td> <td></td> </tr> <tr> <td>2</td> <td></td> </tr> <tr> <td>3</td> <td></td> </tr> <tr> <td>4</td> <td></td> </tr> <tr> <td>5</td> <td></td> </tr> </table>	1		2		3		4		5		<table border="1"> <tr> <td>R</td> <td>Red 红色</td> </tr> <tr> <td>Y</td> <td>Yellow 黄色</td> </tr> <tr> <td>G</td> <td>Green 绿色</td> </tr> <tr> <td>B</td> <td>Black 黑色</td> </tr> <tr> <td>U</td> <td>Blue 蓝色</td> </tr> <tr> <td>W</td> <td>White 白色</td> </tr> <tr> <td>A</td> <td>Gray 灰色</td> </tr> </table>	R	Red 红色	Y	Yellow 黄色	G	Green 绿色	B	Black 黑色	U	Blue 蓝色	W	White 白色	A	Gray 灰色
21	ON(1-6)-OFF	2P																																													
31	ON(P-1)-OFF-ON(P-6)-OFF	3P																																													
32	ON(P-1-6)-OFF	3P																																													
33	ON(P-1)-ON(P-6)	3P																																													
34	ON(P-1)-ON(P-6)-OFF	3P																																													
1																																															
2																																															
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4																																															
5																																															
R	Red 红色																																														
Y	Yellow 黄色																																														
G	Green 绿色																																														
B	Black 黑色																																														
U	Blue 蓝色																																														
W	White 白色																																														
A	Gray 灰色																																														
<p>开关底部脚位图 Terminal position</p>	<p>ON(1-6) Indicate terminal ① ⑥ contacted ON(1-6)代表端子 ① ⑥ 接通</p>																																														

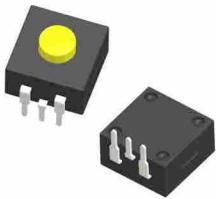
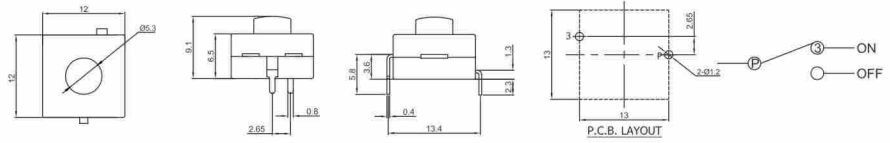


SPECIFICATIONS

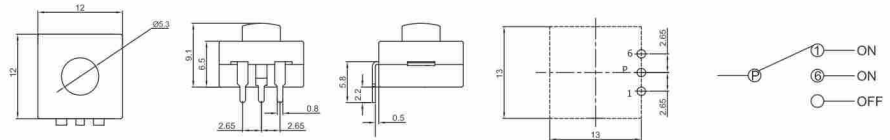
Current Rating	:1A-3A
Voltage Rating	:30VDC
Contact Resistance	:100mΩ Max
Insulation Resistance	:100MΩ
Withstand Voltage	:1000VAC for 1 Minute
Operating Force	:500±200gf
Total Travel	:1.5±0.3mm
Operating Force	:20,000 Cycles Min
Operating Temperature	:-20°C ~ +70°C



PB203-23-1-Y



PB203-31-1-Y



Series 系列号	PB203		2	1	1	R
	Function 功能		Function 功能		Terminal type 端子种类	Cap color 按键颜色
21	ON(1-6)-OFF	2P	42	ON(P-4)-ON(P-5)-ON(P-6)-OFF	4P	R Red 红色
22	ON(P-1)-OFF	2P	43	ON(P-2)-OFF-ON(P-4)-OFF-ON(P-6)-OFF	4P	Y Yellow 黄色
23	ON(P-3)-OFF	2P	44	ON(1-4)-ON(3-6)-OFF	4P	G Green 绿色
24	ON(P-4)-OFF	2P	45	ON(P-6)-ON(P-1)-ON(P-2)-OFF	4P	B Black 黑色
25	ON(P-6)-OFF	2P	46	ON(P-6)-OFF-ON(P-1-4)-OFF	4P	U Blue 蓝色
26	ON(P-1)-OFF	2P	47	ON(P-3)-ON(P-1-4)-OFF	4P	W White 白色
31	ON(P-6)-ON(P-1)-OFF	3P	48	ON(P-2-5)-ON(P-3)-OFF	4P	A Gray 灰色
32	ON(P-3)-ON(P-4)-OFF	3P	51	ON(P-6)-ON(P-1)-OFF-ON(P-3)-ON(P-4)-OFF	5P	
33	ON(P-1)-OFF-ON(P-6)-OFF	3P	52	ON(P-1)-OFF-ON(P-3)-OFF-ON(P-4)-OFF-ON(P-6)-OFF	5P	
34	ON(P-1)-ON(P-3)-OFF	3P	53	ON(P-6-3)-ON(P-1-4)-OFF	5P	
35	ON(P-6)-OFF-ON(P-3)-OFF	3P	61	ON(1-4)-ON(2-5)-ON(3-6)	6P	
36	ON(P-4-6)-OFF	3P	71	ON(P-1)-ON(P-2)-ON(P-3)-ON(P-4)-ON(P-5)-ON(P-6)	7P	
41	ON(P-1)-ON(P-2)-ON(P-3)-OFF	4P	72	ON(P-1)-ON(P-2)-ON(P-3)-ON(P-4)-ON(P-5)-ON(P-6)-OFF	7P	

开关底部脚位图
Terminal position

ON(1-6) Indicate terminal ① ⑥ contacted
ON(1-6)代表端子 ① ⑥ 接通

带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关

带灯轻触开关



TS4-6WR-0



TS4-1SU-1



TS4-3BN-0



TS4-5UN-0

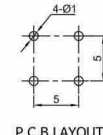
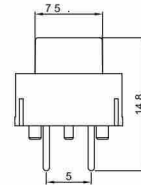
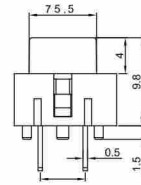
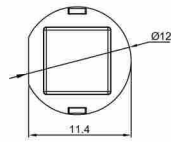
SPECIFICATIONS

Circuit	:SPST SPDT
Current Rating	:30mA
Voltage Rating	:30VDC
Dielectric withstanding voltage	:250VAC for 1 minute
Contact Resistance	:100mΩ Max . (initial)
Insulation Resistance	:100MΩ Min.
Operating Force	:250±50gf
Total Travel	:1.0±0.2mm
Operating Force	:100,000 Cycles Min
Solder Specifications	:260°C for 5 Seconds
Function	:Momentary
Operating Temperature	:-20°C~+70°C

带灯按钮开关



TS4-6WN-0



P.C.B.LAYOUT

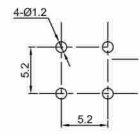
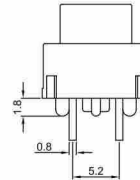
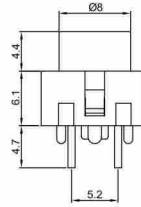
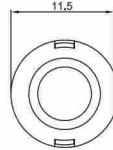


CIRCUIT

按钮开关



TS4-2GN-0

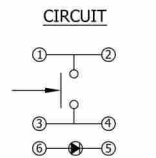
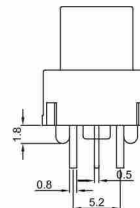
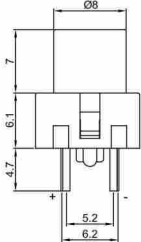
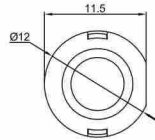


P.C.B.LAYOUT

金属按钮开关

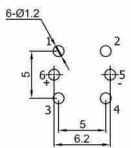


TS4-3TU-0



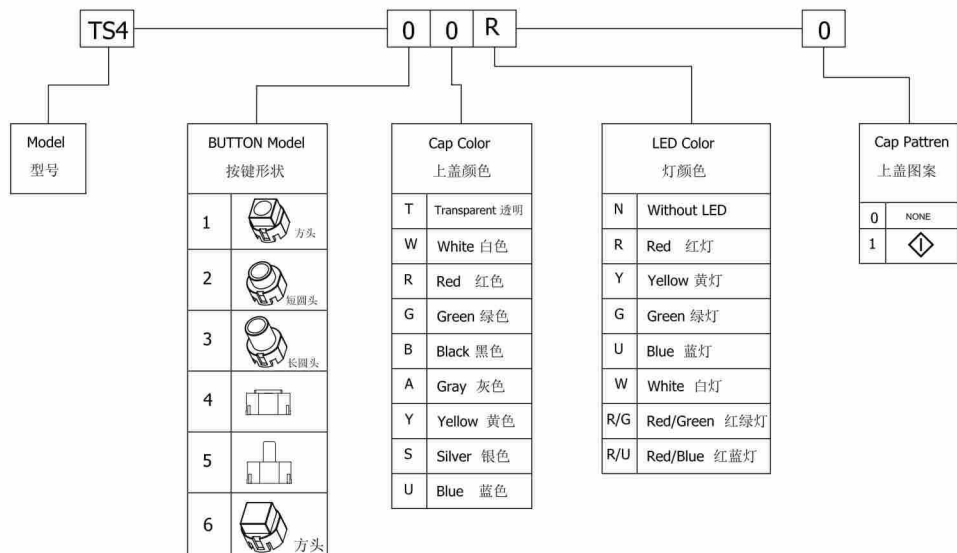
CIRCUIT

P.C.B.LAYOUT



翘板开关

保险丝座



光电触摸开关

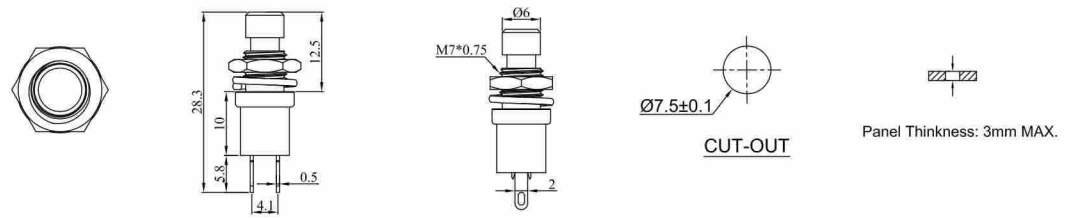
旋转开关

SPECIFICATIONS

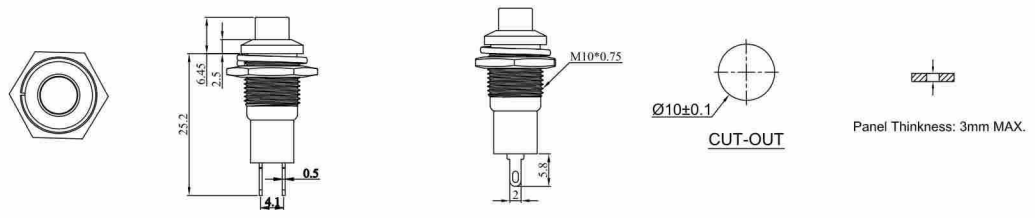
Circuit	:SPST
Rating	:1A/36VDC
Rating	:1A 125VAC/0.5A 250VAC
Dielectric withstanding voltage	:1000VAC for 1 minute
Contact Resistance	:100mΩ Max (initial)
Insulation Resistance	:100MΩ Min.
Operating Force	:400±100gf
Total Travel	:2.0±0.5mm
Operating Force	:10,000 Cycles Min
Solder Specifications	:256°C for 5 Seconds
Function	:ON-OFF OFF-(ON)
Operating Temperature	:-20°C ~ +70°C



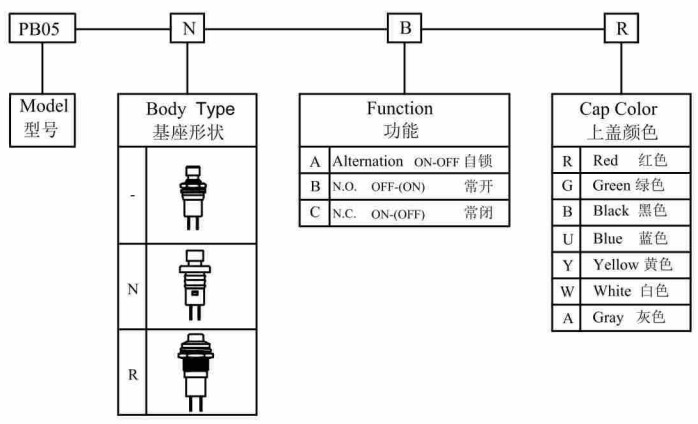
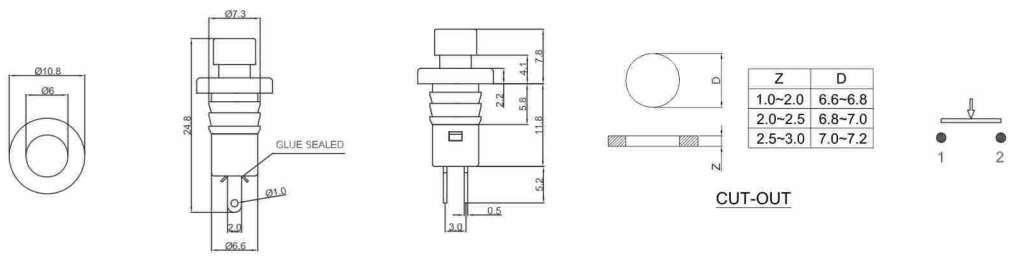
PB05-A-R



PB05R-A-R



PB05N-B-B



带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关

PB01 SERIES PUSH BUTTON SWITCHES

带灯轻触开关

带灯按钮开关



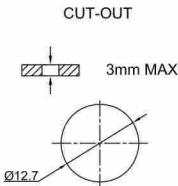
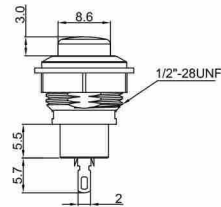
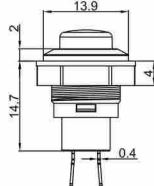
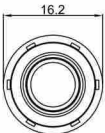
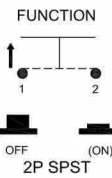
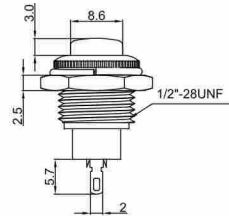
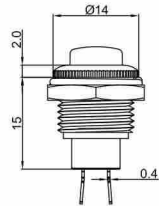
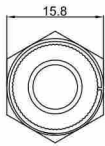
SPECIFICATIONS

Rating	:3A 125V AC 1.5A 250VAC
Contact Resistance	:50mΩ Max
Insulation Resistance	:100MΩ Min
withstand Voltage	:1000VAC for 1 Minute
Operating Force	:250±50gf or 450±100gf
Travel	:2.0±0.4mm
Life Cycle	:50,000Cycles
Function	:OFF-(ON) ON-OFF

按钮开关



PB01-YB-MM-R PB01-YB-PP-R

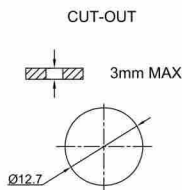
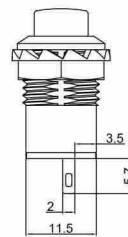
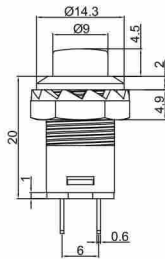
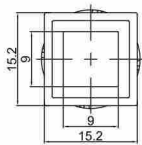


金属按钮开关

翘板开关



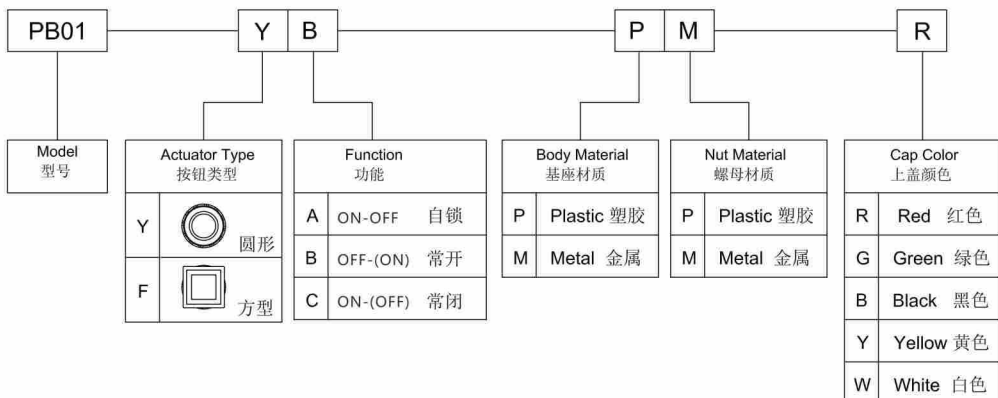
PB01-YA-PP-G PB01-FA-PP-R



保险丝座

光电触摸开关

旋转开关



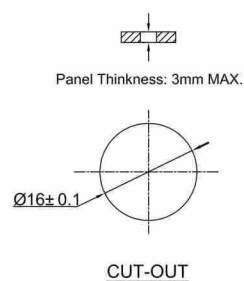
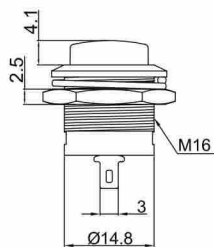
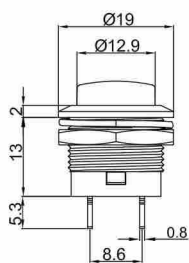


SPECIFICATIONS

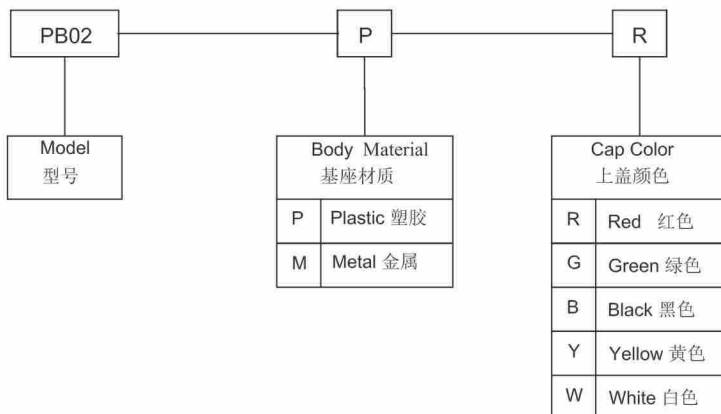
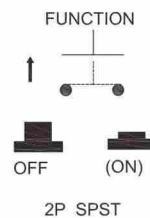
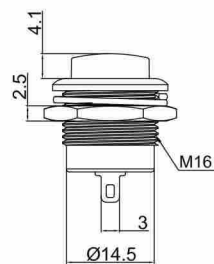
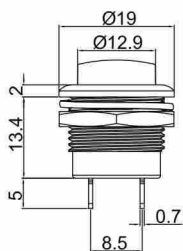
Rating :6A 125V AC/3A 250VAC
 Contact Resistance :50mΩ Max
 Insulation Resistance :DC500V 100MΩ
 withstand Voltage :1000VAC for 1 Minute
 Operating Force :300±50gf
 Travel :2.0±0.4mm
 Life Cycle :50,000Cycles
 Function :OFF-(ON)



PB02-M-R



PB02-M-G



带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关

带灯轻触开关



PB03-22-5-BA



PB03-21-1-BA



PB03-31-3-AA

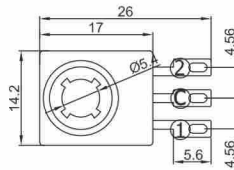
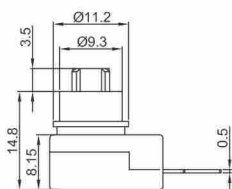
SPECIFICATIONS

Rating	:7A 14VDC(UL CUL) cULus
Contact Resistance	:50mΩ Max
Insulation Resistance	:500VDC 100MΩ Min.
withstand Voltage	:1000VAC 1 Minute
Operating Force	:500±150gf
Travel	:2.6±0.4mm
Life Cycle	:10,000Cycles

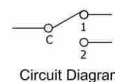
带灯按钮开关



PB03-31-2-AA



FUNCTION:
<1.> ON C&1
<2.> ON C&2

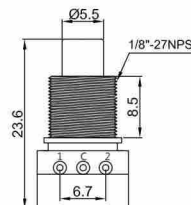
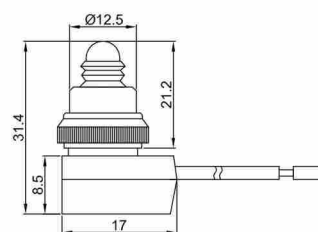
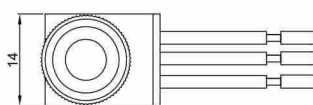


按钮开关

金属按钮开关

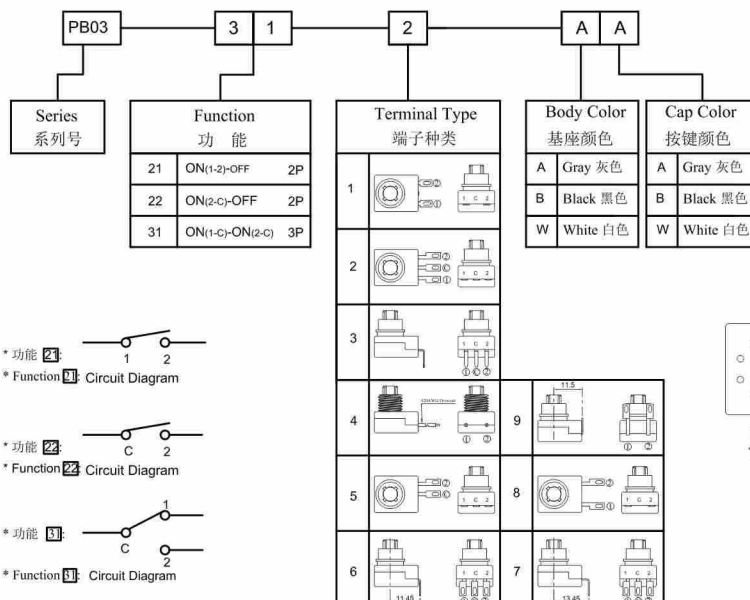


PB03-31-4-BB



翘板开关

保险丝座



光电触摸开关

旋转开关

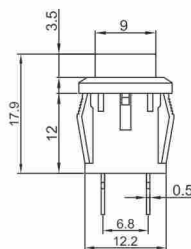
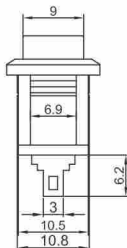
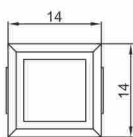


SPECIFICATIONS

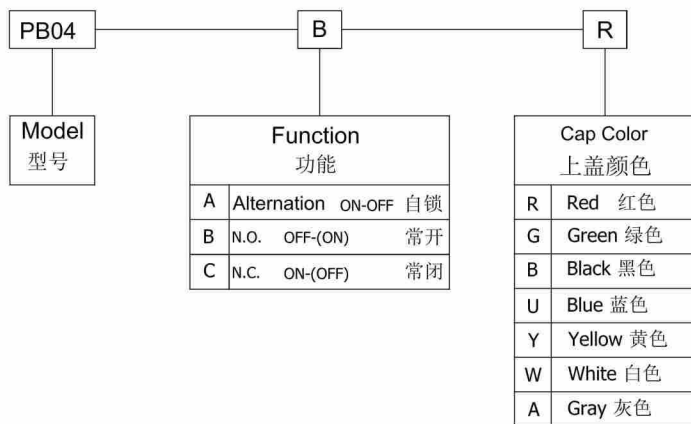
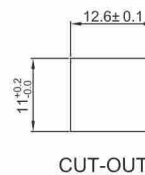
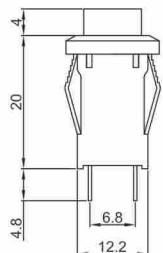
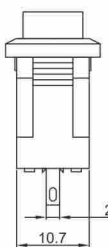
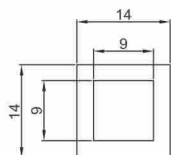
Rating :3A 125V AC 1.5A 250VAC
 Contact Resistance :50mΩ Max
 Insulation Resistance :DC500V 100MΩ Min.
 withstand Voltage :1000VAC for 1 Minute
 Operating Force :300±100gf
 Travel :2.5±0.4mm
 Life Cycle :50,000Cycles
 Operating Temperature :-20°C~85°C
 Function :(ON)-OFF (OFF)-ON ON-OFF



PB04-B-R



PB04-A-G



带灯轻触开关

带灯按钮开关

按钮开关

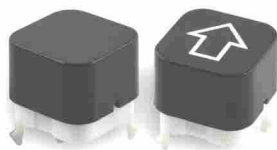
金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关



PB23-1-1B-N-0 PB23-1-1B-Y-2

特色 / Feature
 极好触感
 Excellent tactile feel
 高可靠性 / 寿命长
 High reliability / long life
 两段式行程
 Double stroke version available
应用范围 / Application
 汽车 Automotive
 工业遥控器, 工业电子
 industrial remote control, Industrial electronics
 电脑网络设备
 Computers network equipment
 检测仪器/设备、电视系统
 Test & Measurement equipment, TV system

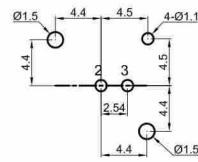
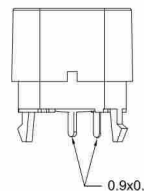
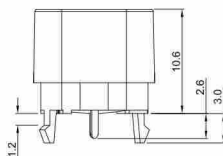
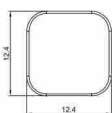
SPECIFICATIONS

Circuit : SPST, SPDT
RATING : 30mA / 28VDC
OPERATING SPEED : 10mm/sec
ELECTRIC LIFE : 20,000 cycles
FULL TRAVELS : 2.0mm±0.4mm
OPERATING TEMPERATURE : -25°C to 70°C

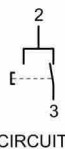
MATERIALS
PUSHER : POM Black
DUST PROTETION CAP : POM Black
CASE : PA Nature glass fiber reinforced
SPRING : Piano wire
CONTACT/TERMINALS : Brass, sliver plated



PB23-1-1B-N-0



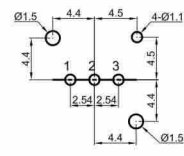
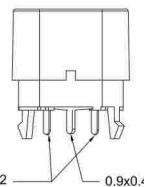
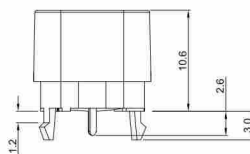
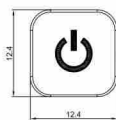
P.C.B.LAYOUT



CIRCUIT



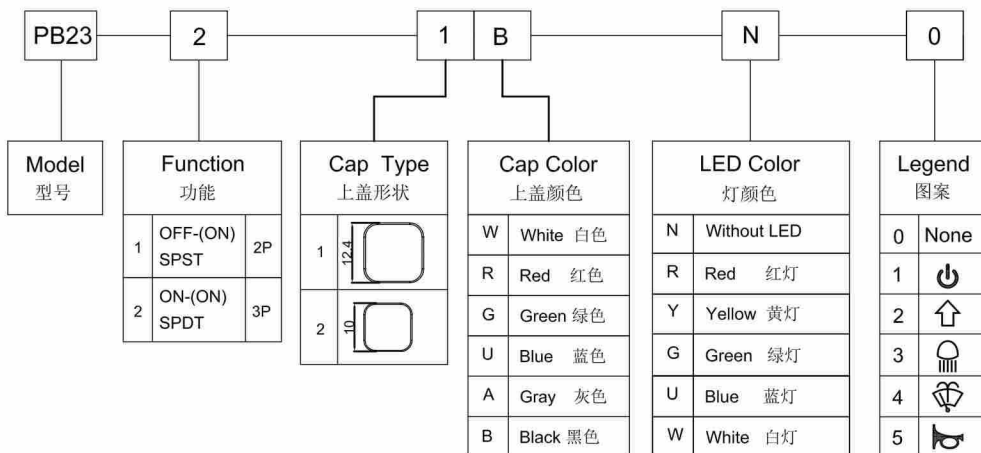
PB23-Z-1B-W-1



P.C.B.LAYOUT



CIRCUIT





PB13-A1-BN-S



PB12-A1-UN-S



PB13-A3-RN-G



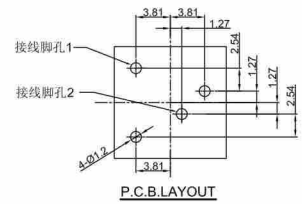
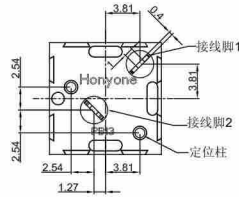
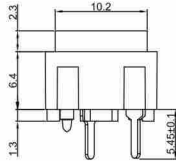
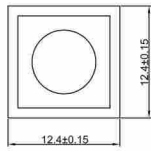
PB13-B1-RN-G

SPECIFICATIONS

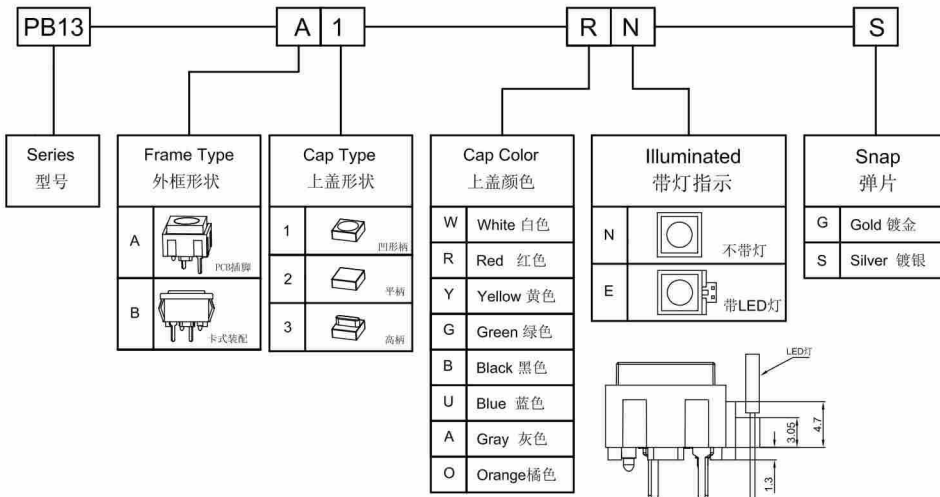
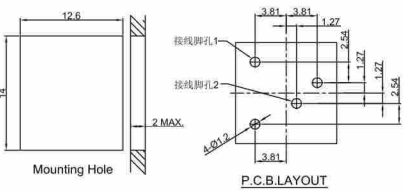
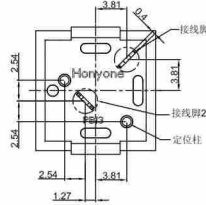
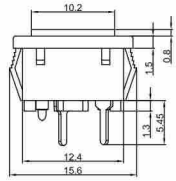
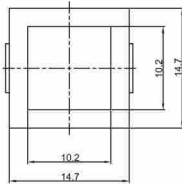
Rating	:0.5A 30VDC 0.25A 50VAC
Contact Resistance	:50mΩ Max
Insulation Resistance	:100MΩ Min.
withstand Voltage	:1000VAC for 1 Minute
Operating Force	:300±100gf or 400±100gf
Travel	:1.0±0.25mm
Life Cycle	:100,000Cycles
Function	:Momentary
Operating Temperature	:256°C for 5 Seconds



PB13-A1-RN-S



PB13-B-GN-S



带灯轻触开关

带灯按钮开关

按钮开关

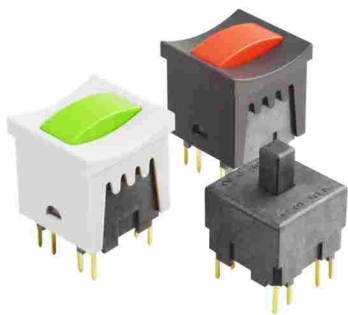
金属按钮开关

翘板开关

保险丝座

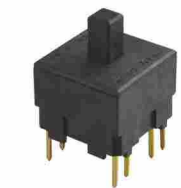
光电触摸开关

旋转开关

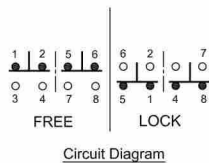
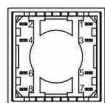
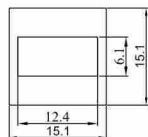
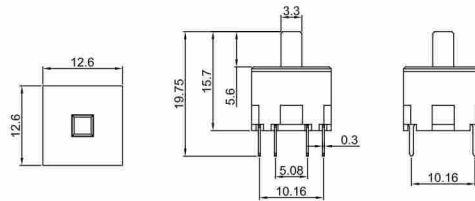
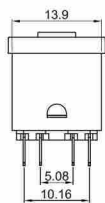
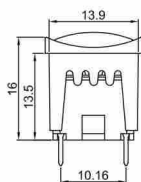


SPECIFICATIONS

Current Rating	:250mA/120V/9W AC /6W DC
Dielectric withstanding voltage	:1000VAC for 2 minute
Contact Resistance	:100mΩ Max
Insulation Resistance	:100MΩ Min.
Operating Force	:250±50gf
Total Travel	:1.8±0.4mm
Operating Force	:500,000 Cycles Min
Solder Specifications	:256°C for 5 Seconds
Operating Temperature	:-40°C~ +160°C



PB07A-N-NN-MNN

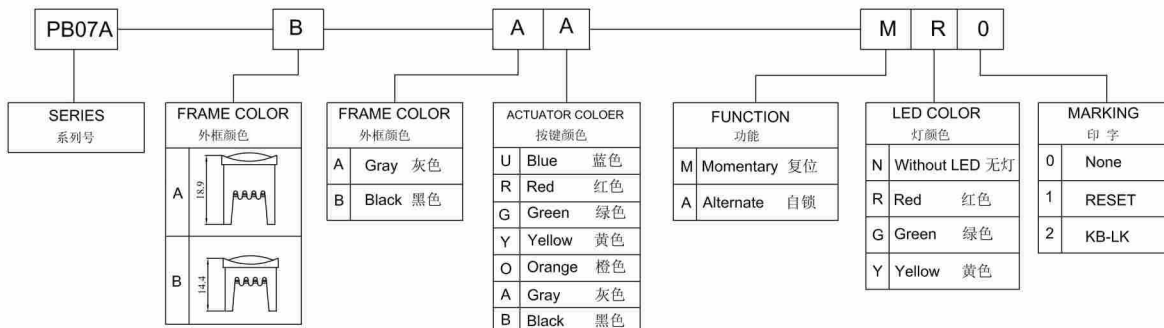
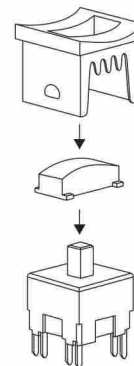
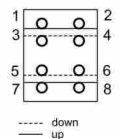
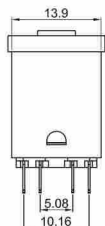
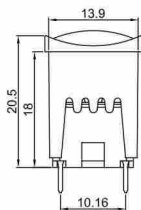


MATERIAL:

Outer Frame:ABS
Base:LCP
Actuator:ABS
Terminal:Brass, Gold plated



B07A-A-BG-AG0



PB12 SERIES PUSH BUTTON SWITCHES

带灯轻触开关

带灯按钮开关



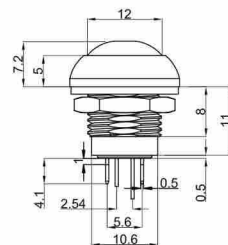
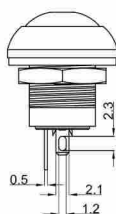
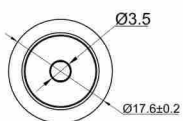
SPECIFICATIONS

Rating	:0.2A250VAC
Contact Resistance	:50mΩ Max
Insulation Resistance	:100MΩ
withstand Voltage	:1000VAC for 1 Minute
Operating Force	:500±150gf
Travel	:2.0±0.5mm
Life Cycle	:30,000Cycles
Function	:OFF-(ON) ON-OFF

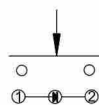
按钮开关



PB12-M-2R-R-N



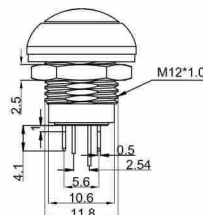
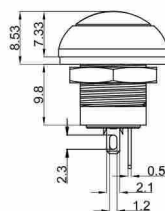
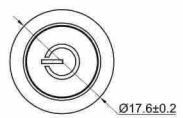
Circuit Diagram



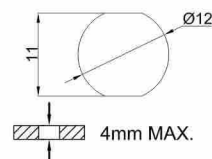
金属按钮开关



PB12-M-3B-R-1



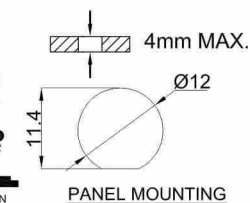
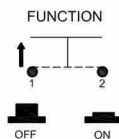
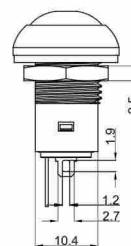
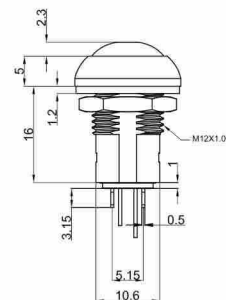
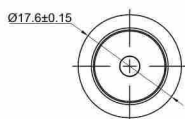
PANEL MOUNTING



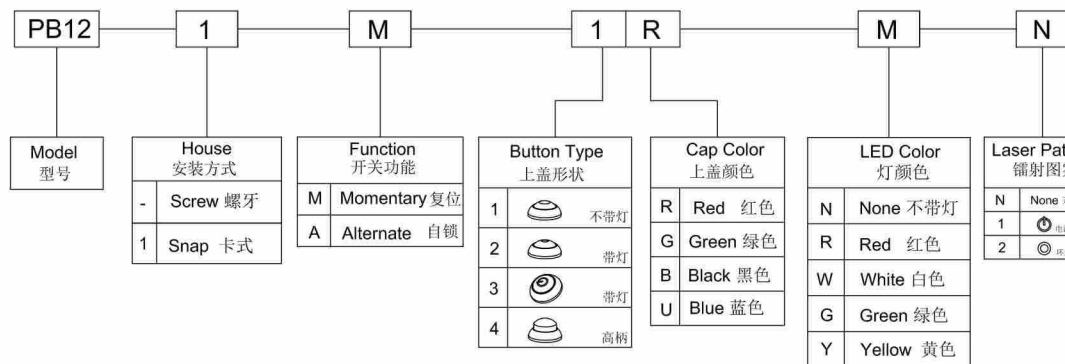
翘板开关



PB12-A-2G-G-N



保险插座



光电触摸开关

旋转开关

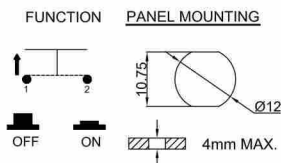
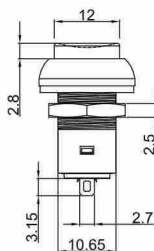
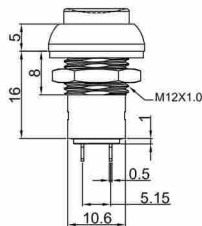
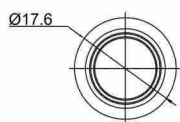


SPECIFICATIONS

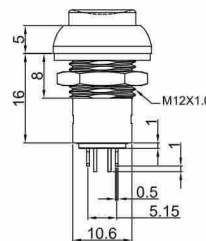
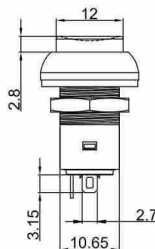
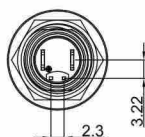
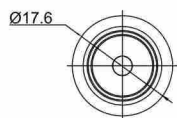
Rating :0.1A 24V AC 2A 125VAC
 Contact Resistance :50mΩ Max
 Insulation Resistance :100MΩ
 withstand Voltage :1000VAC for 1 Minute
 Operating Force :400±50gf
 Travel :2.5±0.5mm
 Life Cycle :50,000Cycles
 Function :OFF-ON
 Level of Protection :IP67



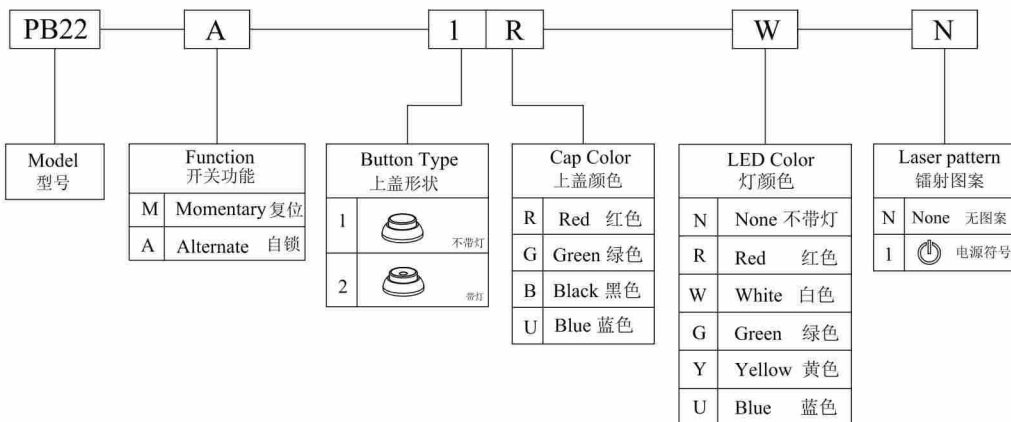
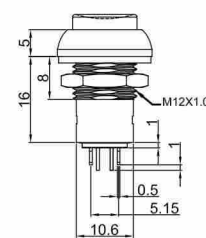
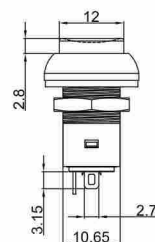
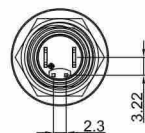
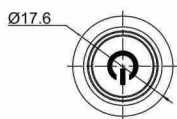
PB22-A-1B-NN



PB22-A-2R-RN



PB22-A-1B-U-1



带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关

PB09 SERIES PUSH BUTTON SWITCHES

带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

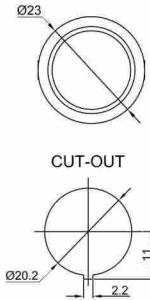
光电触摸开关

旋转开关

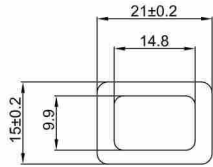
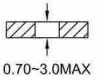
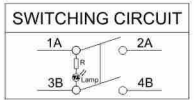
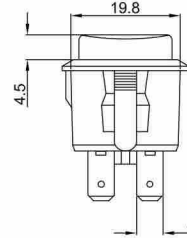
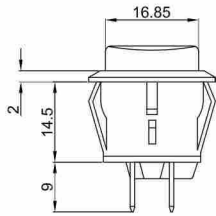


SPECIFICATIONS

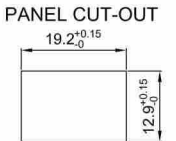
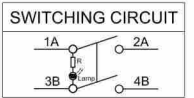
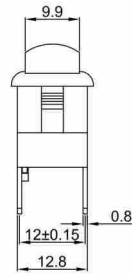
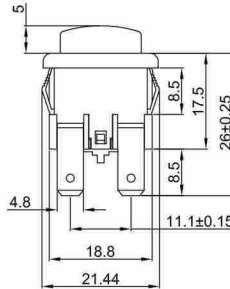
Rating	:10A 125V AC /6A 250VAC
Contact Resistance	:50mΩ Max
Insulation Resistance	:DC500V 100mΩMin
withstand Voltage	:1500VAC for 1 Minute
Operating Force	:700±200gf
Travel	:5.0±0.5mm
Life Cycle	:10,000Cycles Min
Function	:OFF-ON



PB09-B-22M-0-R0E-BR-220



PB09-A-22Z-0-R0L-BT-220



PB09	A	11 M	0	F 0 N	B B	A											
Model 型号	Base Type 基座种类	Function 开关功能	Terminal type 端子种类	Actuator shape 柄形状	Marking 印字	Illuminated 带灯指示	Body color 基座颜色	Actuator color 柄颜色	Light Voltage 灯电压								
A		<table border="1"> <tr> <th>Switch Assemble 开关组合</th> <th>Operation type 操作类型</th> </tr> <tr> <td>11 </td> <td>2P M Momentary 复位</td> </tr> <tr> <td>22 </td> <td>4P Z Lock 自锁</td> </tr> <tr> <td>I </td> <td>Indicator 指示灯</td> </tr> </table>	Switch Assemble 开关组合	Operation type 操作类型	11	2P M Momentary 复位	22	4P Z Lock 自锁	I	Indicator 指示灯	0	R 圆弧形 F 平柄	0 None 1 2 3 4	N None 不带灯 L Neon 氖灯 W Tungsten 钨丝灯 E LED 灯	B Black 黑色 A Gray 灰色 W White 白色	T Transparent 透明 B Black 黑色 R Red 红色 A Gray 灰色 W White 白色 Y Yellow 黄色 U Blue 蓝色	NONE 3 3V 12 12V 110 110V 220 220V
Switch Assemble 开关组合	Operation type 操作类型																
11	2P M Momentary 复位																
22	4P Z Lock 自锁																
I	Indicator 指示灯																



PB25-11M-CB



PB25-21Z-CR-R220



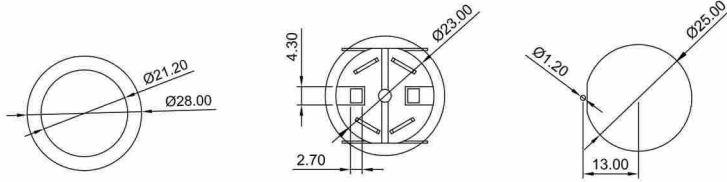
PB25-21Z-FU-U220

SPECIFICATIONS

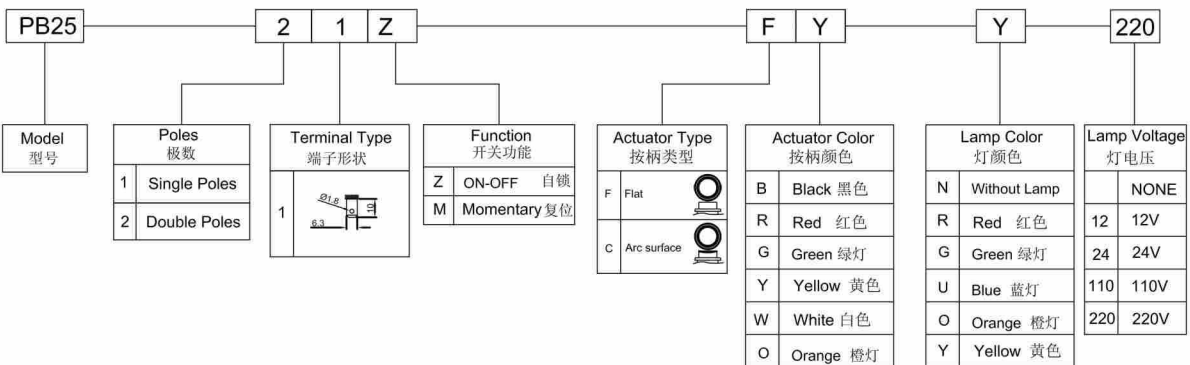
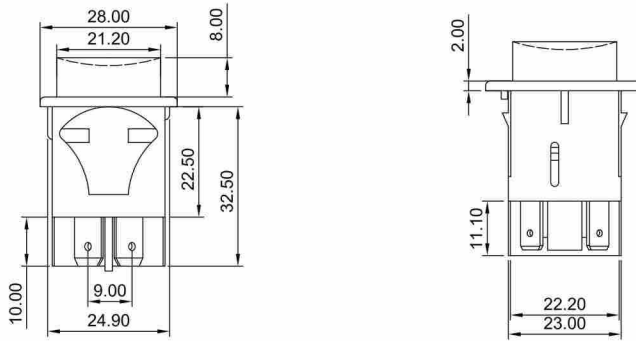
Rating	:16(6) A 250VAC T125 1E4
	:10(4)A 250VAC T125 5E4
	:314HP 250VAC 1/2HP 125VAC
	:16A 125VAC T105
Contact Resistance	:50mΩ Max
Insulation Resistance	:100MΩ
withstand Voltage	:1000VAC for 1 Minute
Function	:OFF-(ON) ON-OFF



PB25-21Z-CG-G220



PB25-21Z-FR-R220



带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关

带灯轻触开关

带灯按钮开关



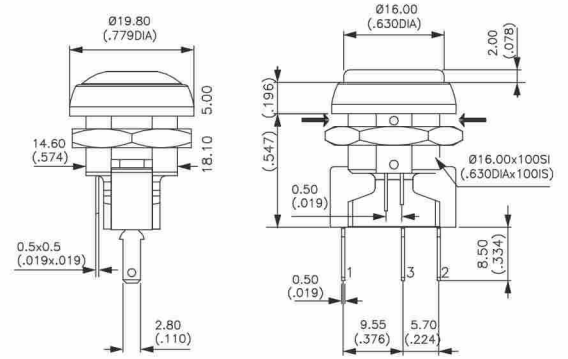
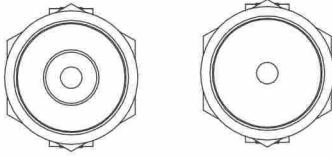
SPECIFICATIONS

Rating	:6A 125V AC 3A 250VAC
Contact Resistance	:50mΩ Max
Insulation Resistance	:100MΩ
withstand Voltage	:1000VAC for 1 Minute
Operating Force	:250±50gf
Travel	:2.4±0.4mm
Life Cycle	:50,000Cycles
Function	:OFF-(ON) ON - OFF

按钮开关

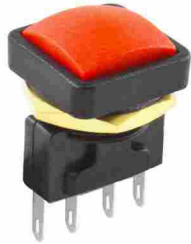


PS16-RB-FGN-1

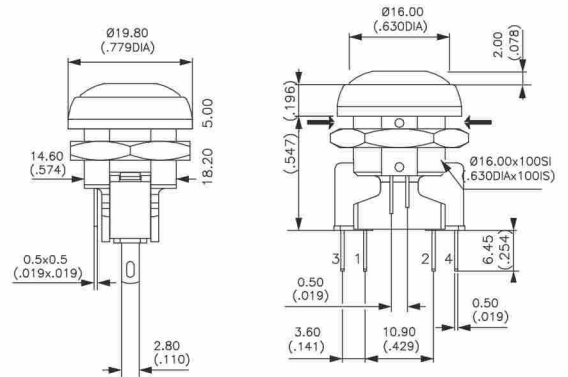
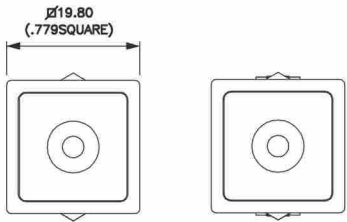


金属按钮开关

翘板开关



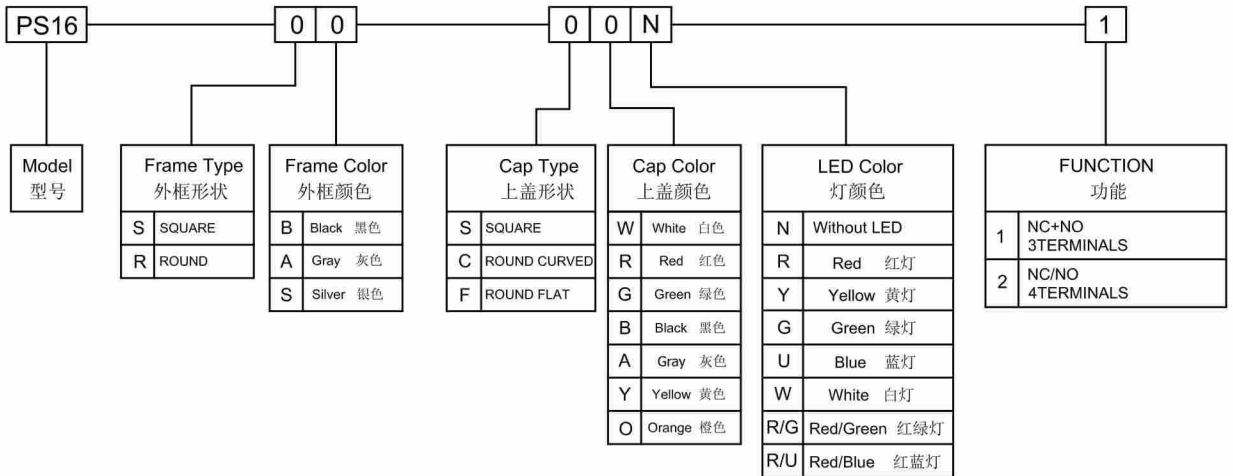
PS16-SB-CRN-2



保险丝座

光电触摸开关

旋转开关





金属按钮开关

METAL PUSH BUTTON SWITCHES

带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关



PBM10-11Z-H-NNN-S0



PBM10-11Z-T-NNN-S0



PBM10-11Z-H-NNN-B1

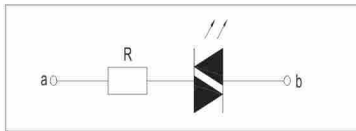


PBM10-11M-H-NNN-Z9

灯珠规格

灯珠类型	LED灯珠		
额定电压	AC/DC6V	AC/DC 12V	AC/DC24V
发光颜色	R	G	Y O U W
寿命	约40000小时		

注：灯珠内置保护电阻,不需外接。其他电压规格可按要求定做。
灯珠等效电路图



SPECIFICATIONS

Rating	:3A 125VAC
	:1.5A 250VAC
Contact Resistance	:50mΩ Max
Insulation Resistance	:DC 500V 100MΩ Min.
Dielectric Strength	:AC 1000V 1 minute
Total Travel	:2.0±0.5mm
Operating Force	:400±100gf
Electrial Life	:10,000 cycles
Mechanical Life	:5,000 cycles
Opernating Temperature	:-20°C~85°C

开关表面效果 SWITCH SURFACE

Natural SUS 不锈钢本色	Mirror Chrome Plated 镜面镀铬	Velour Chrome Plated 丝绒铬	CD Pattern CD纹	AL Black Anodized 铝氧化黑	AL Gold Anodized 铝氧化金	AL Red Anodized 铝氧化红	Plastic button 塑胶按钮

PBM10	11 M	H	D R 6	S 0					
Series 系列号	Function 开关功能		Button Type 按键类型	Lamp Type 灯类型				Body Type 外壳类型	
	Switch Assemble 开关组合	Operation type 操作类型		Light Type 发光形状	Lamp Color 灯颜色	Lamp Voltage 灯电压		Body Material 外壳材质	Surface Plated 表面处理
11		2P M Momentary 复位	H High 高柄	- None 不带灯	- Without LED	- Without LED	B Brass 黄铜	0 Without Surface Plated 本色	
13		3P Z Lock 自锁	T T字高柄	R Ring 环状	W White 白色	3 3V	S SUS 不锈钢	1 Mirror Chrome plated 镜面镀铬	
				D Spot 点状	R Red 红色	6 6V	Z Zn Alloy 锌合金	2 Mirror Nickel plated 镜面镀镍	
					G Green 绿色	12 12V	A Al Alloy 铝合金	3 Mirror Gold plated 镜面镀金	
					U Blue 蓝色	220 220V		4 Velour Chrome plated 丝绒铬	
					Y Yellow 黄色			5 CD Pattern CD纹	
								6 Black oxide 发黑	
								7 Blast sanding 喷砂	
								8 Yellow oxidation 氧化黄色	
								9 Red oxidation 氧化红色	

Series	Mounting Hole	Function	Cap Type	Lamp Type	Body Type
PBM	10	M	H	D R 6	S 0
系列号	开孔尺寸	开关功能	上盖形状	灯类型	外壳材质处理



PBM10-13Z-H-NNN-S0



PBM10-13Z-H-DG3-S0



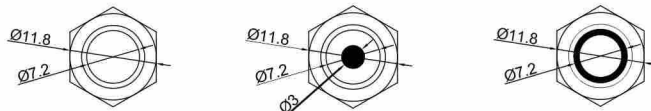
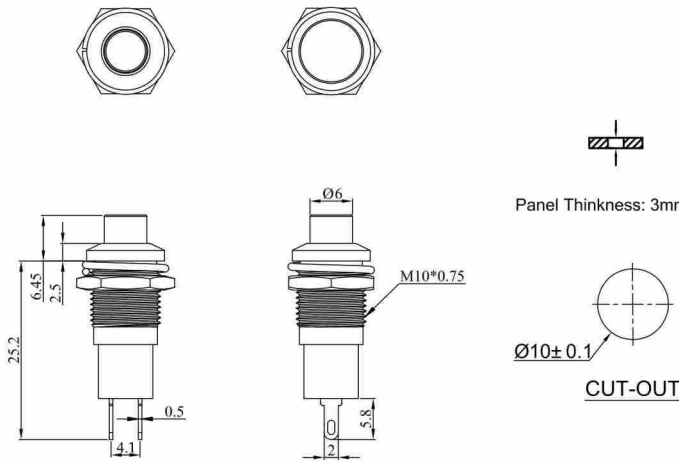
PBM10-13Z-H-RG3-S0



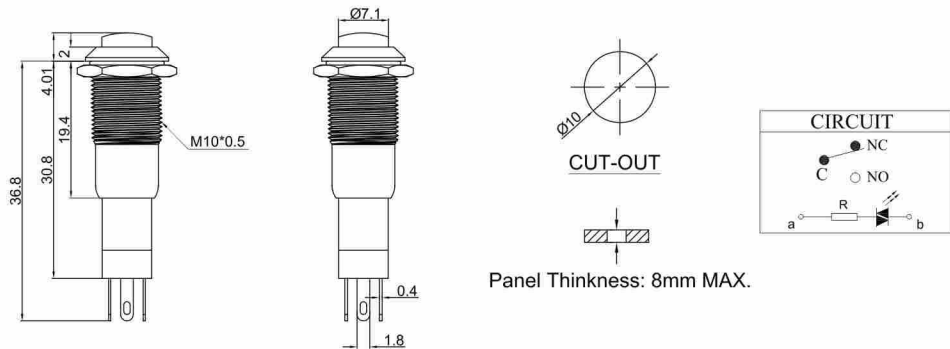
PBM10-I-DU3-B1



PBM10-11Z-H-NNN-S0



PBM10-13Z-H-NNN-S0



PBM12 SERIES METAL PUSHBUTTON SWITCHES



PBM12-11M-RS-NNN-S0-S

PBM12-11M-HG-B2-S

PBM12-11M-RR-DR2-B2-S

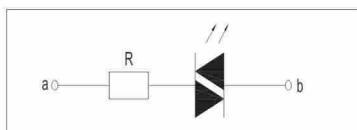
PBM12-11Z-RS-DU3-S0-S

PBM12-11Z-RB-PW3-S0-S

灯珠规格

灯珠类型	LED灯珠		
额定电压	AC/DC6V	AC/DC 12V	AC/DC24V
发光颜色	R	G	Y O U W
寿命	约40000小时		

注：灯珠内置保护电阻,不需外接。其他电压规格可按要求定做。
灯珠等效电路图



SPECIFICATIONS

Circuit	:SPST
Current Rating	:2A
Voltage Rating	:360VDC
Dielectric withstanding voltage	:1000VAC for 1 minute
Contact Resistance	:50mΩ Max .(initial)
Insulation Resistance	:100MΩ Min.
Operating Force	:400±150gf
Total Travel	:2.0±0.4mm
Operating Force	:200,000 Cycles Min
Solder Specifications	:260°C for 3 Seconds
Function	:Momentary ON-OFF
Operating Temperature	:-20°C~ +70°C

开关表面效果 SWITCH SURFACE

Natural SUS 不锈钢本色	Mirror Chrome Plated 镜面镀铬	Velour Chrome Plated 丝绒铬	CD Pattern CD纹	AL Black Anodized 铝氧化黑	AL Gold Anodized 铝氧化金	AL Red Anodized 铝氧化红	Plastic button 塑胶按钮

PBM12	11	M	F	S	D	R	6	S	0	S
Series 系列号	Function 开关功能		Button Type 按键类型		Lamp Type 灯类型			Body Type 外壳类型		Terminal Shape 端子形状
	Switch Assemble 开关组合	Operation type 操作类型	Button Type 按键形状	Button Color 按键颜色	Light Type 发光形状	Lamp Color 灯颜色	Lamp Voltage 灯电压	Body Material 外壳材质	Switch Surface 表面效果	S Solder Terminal 焊线端子
11	2P	M Momentary Z Lock I Indicator	F Flat R Round H High S Square	S Natural W White R Red G Green U Blue Y Yellow B Black	N None D Spot	N Without LED W White R Red G Green U Blue Y Yellow	N Without LED 3 3V 6 6V 12 12V 24 24V 110 110V 220 220V	B Brass S SUS Z Zn Alloy A Al Alloy	0 Natural SUS 1 Mirror Chrome plated 2 Mirror Nickel plated 3 Mirror Gold plated 4 Velour Chrome plated 5 CD Pattern 6 Black oxide	L Connection Column



PBM12-11M-RB-NNN-A6-S



PBM12-11M-RR-NNN-A6-S



PBM12-11M-RG-NNN-A6-S



PBM12-11M-RB-DR2-A6-S



PBM12-11M-SB-NNN-A6-S

带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

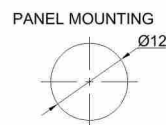
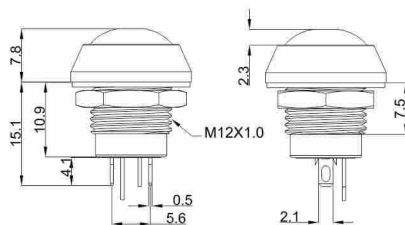
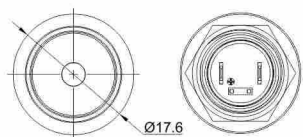
保险丝座

光电触摸开关

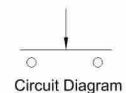
旋转开关



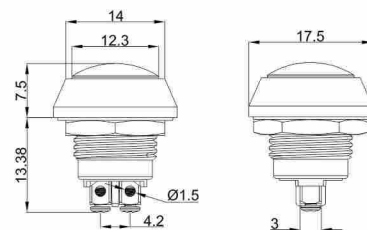
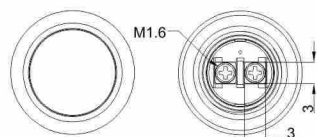
PBM12-11M-RR-DR2-A6-S



CUT-OUT



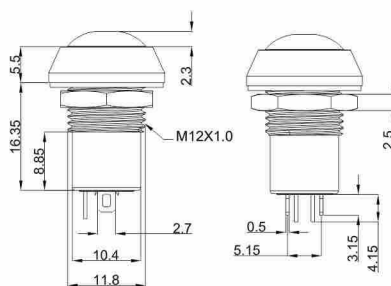
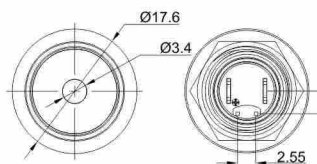
PBM12-11M-RS-NNN-S0-L



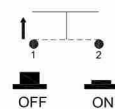
Circuit Diagram



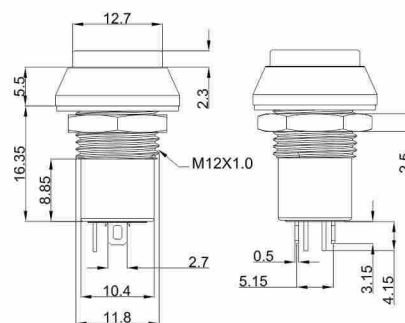
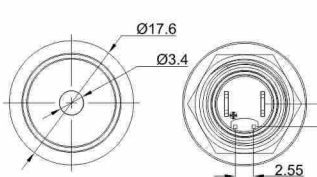
PBM12-11Z-RS-DG3-S0-S (自锁)



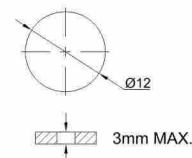
FUNCTION



PBM12-11Z-HU-DR2-A6-S (自锁)



PANEL MOUNTING



带灯轻触开关



PS12-11M-F-NNN-S0



PS12-11M-F-RG3-S0



PS12-11M-F-PR2-S0



PS12-11M-R-RU6-S0



PS12-11M-H-NNN

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关

SPECIFICATIONS

Circuit	:SPST
Rating	:2A 36VDC :0.4A 250VDC
Degree of protction	:IP65
Dielectric withstanding voltage	:1000VAC for 1 minute
Contact Resistance	:50MΩ Max
Insulation Resistance	:100MΩ Min
Travel	:1.5mm±0.5mm
Opearing Force	:400±150gf
Mechanical Life	:Over 200,000 cycles
Soldear Specifications	:260°C for 5 seconds
Function	:Momentray
Openrating Temperature	:-20°C~ +85°C

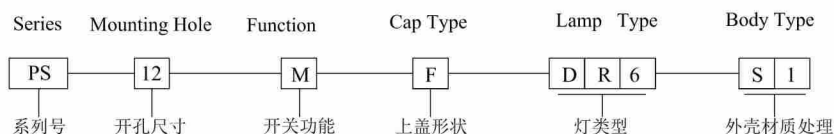
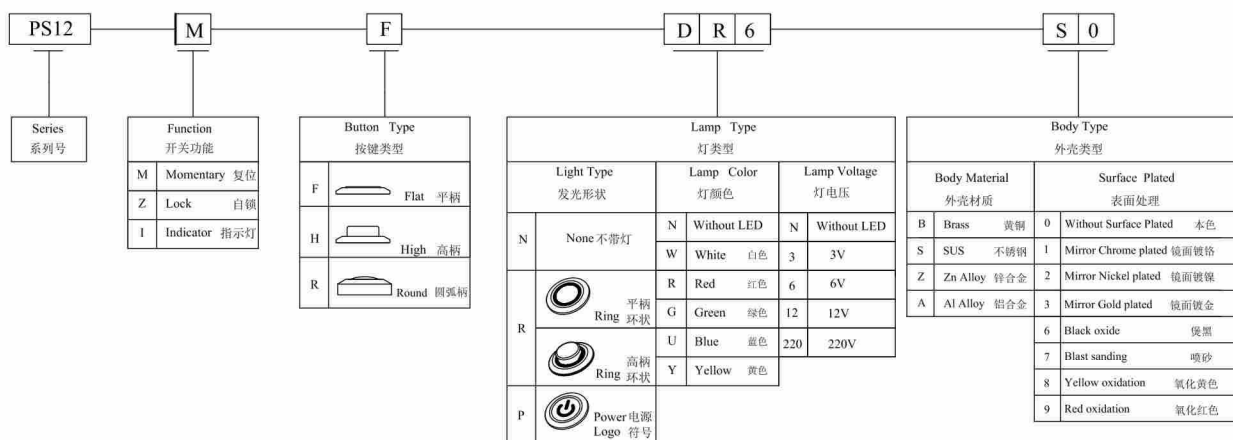
灯珠规格

灯珠类型	LED灯珠		
额定电压	AC/DC6V	AC/DC 12V	AC/DC24V
发光颜色	R	G	Y O U W
寿命	约40000小时		

注：灯珠内置保护电阻,不需外接。其他电压规格可按要求定做。
灯珠等效电路图

开关表面效果 SWITCH SURFACE

Natural SUS 不锈钢本色	Mirror Chrome Plated 镜面镀铬	Velour Chrome Plated 丝绒铬	CD Pattern CD纹	AL Black Anodized 铝氧化黑	AL Gold Anodized 铝氧化金	AL Red Anodized 铝氧化红	Plastic button 塑胶按钮





PS12-11Z-H-NNN-S0



PS12-11Z-F-RR6-S0



PS12-11Z-F-PR2-S0



PS12-11Z-H-NNN-S0



PS12-11Z-H-RR6-S0

带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

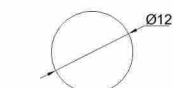
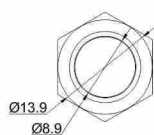
保险插座

光电触摸开关

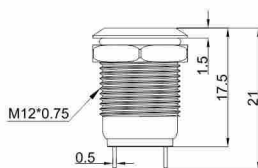
旋转开关



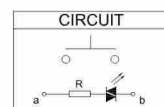
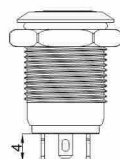
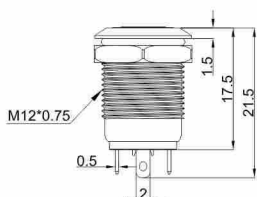
PS12-11M-F-RR3-S0 PS12-11M-F-PU3-S0



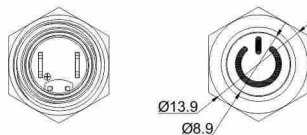
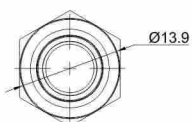
PANEL MOUNTING



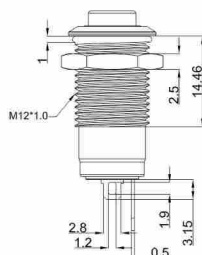
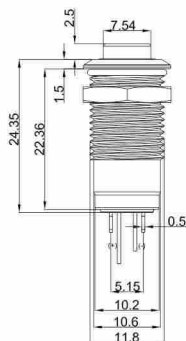
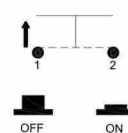
6mm MAX.



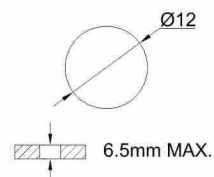
PS12-11Z-H-NNN-S0 PS12-11Z-H-RG3-S0



FUNCTION



PANEL MOUNTING



6.5mm MAX.



PBM16-11M-F-NNN-A5



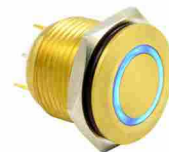
PBM16-11M-H-NNN-S0



PBM16-11M-F-PU3-S0



PBM16-11M-H-RR2-S0



PBM16-11M-F-RU3-A8

灯珠规格

灯珠类型	LED灯珠					
额定电压	AC/DC6V	AC/DC 12V	AC/DC24V			
发光颜色	R	G	Y	O	U	W
寿命	约40000小时					

注：灯珠内置保护电阻,不需外接。其他电压规格可按要求定做。
灯珠等效电路图

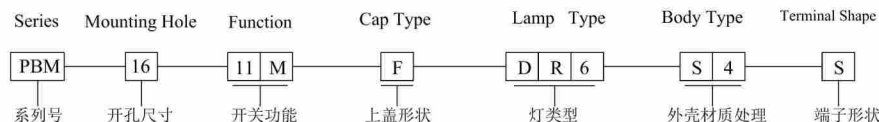
SPECIFICATIONS

Rating	:3A 250VAC; :2A 36VDC;
Degree of protection	:IP65;
Contact Resistance	:50mΩ Max;
Dielectric Strength	:1500VAC For 1 minute;
Total Travel	:1.5±0.5mm
Operating Force	:450±150gf
Mechanical Life	:200,000 cycles;
Load Life	:50,000 cycles;
Operating Temperature	:-20°C~ +85°C
Function	:OFF-(ON) ON-OFF

开关表面效果 SWITCH SURFACE

Natural SUS 不锈钢本色	Mirror Chrome Plated 镜面镀铬	Velour Chrome Plated 丝绒铬	CD Pattern CD纹	AL Black Anodized 铝氧化黑	AL Gold Anodized 铝氧化金	AL Red Anodized 铝氧化红

PBM16	11 M	F	D R 6	S 0	S						
Series 系列号	Function 开关功能		Button Type 按键类型	Lamp Type 灯类型			Body Type 外壳类型			Terminal Shape 端子形状	
	Switch Assemble 开关组合	Operation type 操作类型		Light Type 发光形状	Lamp Color 灯颜色	Lamp Voltage 灯电压	Body Material 外壳材质	Surface Plated 表面处理		S	L
11	2P	M Momentary 复位	F Flat 平柄	N None 不带灯	N Without LED	N Without LED	B Brass 黄铜	0 Without Surface Plated 本色	S	Solder Terminal 焊线端子	
13	3P	Z Lock 自锁	R Round 圆柄	W White 白色	3 3V	3 3V	S SUS 不锈钢	1 Mirror Chrome plated 镜面镀铬	L	Connection Column 接线柱	
23	6P	I Indicator 指示灯	H High 高柄	R Red 红色	6 6V	6 6V	Z Zn Alloy 锌合金	2 Mirror Nickel plated 镜面镀镍			
			C Concave 凹柄	G Green 绿色	12 12V	12 12V	A Al Alloy 铝合金	3 Mirror Gold plated 镜面镀金			
			R2 Round 椭圆弧柄	U Blue 蓝色	24 24V	24 24V		4 Velour Chrome plated 丝绒铬			
				D Spot 点状	Y Yellow 黄色	110 110V		5 CD Pattern CD纹			
				R Ring 环状		220 220V		6 Black oxide 镀黑			
				P Power Source Logo 符号				7 Blast sanding 喷砂			
								8 Yellow oxidation 氧化黄色			
								9 Red oxidation 氧化红色			



PBM16 SERIES METAL PUSHBUTTON SWITCHES

带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

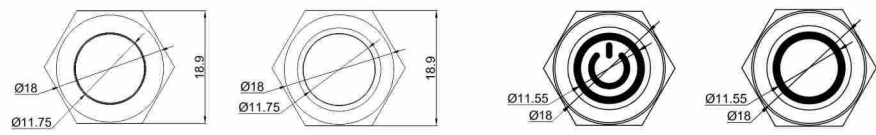
保险丝座

光电触摸开关

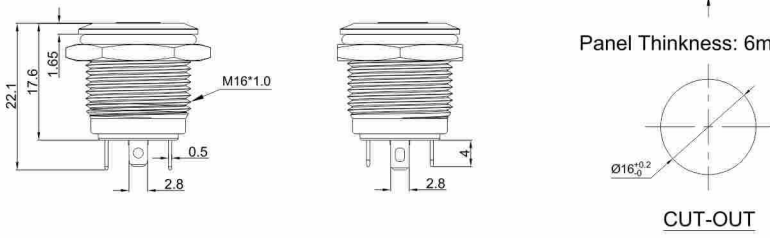
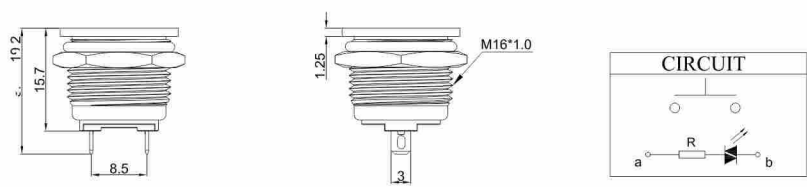
旋转开关



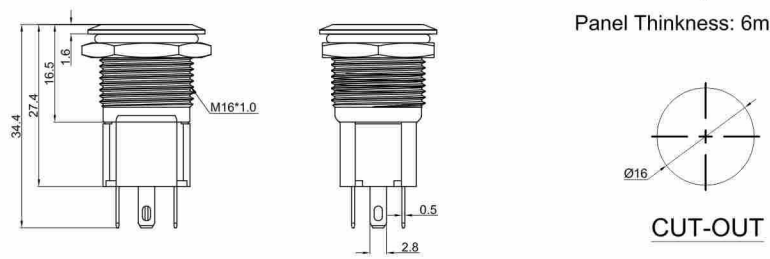
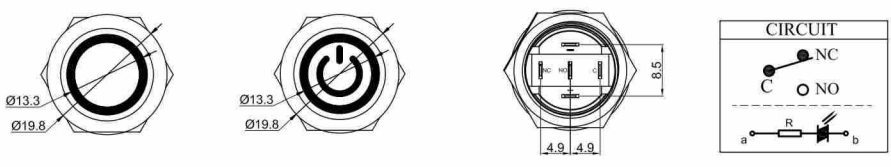
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PBM16-11M-FR-S PBM16-11M-FP-S



PBM16-13Z-FR-S PBM16-13Z-FP-S



PBM19 SERIES METAL PUSHBUTTON SWITCHES



PBM19-11M-F-NNN-A5 PBM19-11M-F-NNN-S5 PBM19-11M-H-NNN-S5 PBM19-11M-F-RG3-S0 PBM19-11M-F-PU6-S0 PBM19-11M-F-RW3-A6

灯珠规格

灯珠类型	LED灯珠		
额定电压	AC/DC6V	AC/DC 12V	AC/DC24V
发光颜色	R	G	Y O U W
寿命	约40000小时		

注：灯珠内置保护电阻,不需外接。其他电压规格可按要求定做。
灯珠等效电路图

SPECIFICATIONS

Rating	:5A 250VAC; :2A 36VDC;
Contact Resistance	:50mΩ Max;
Dielectric Strength	:1500VAC For 1minute;
Total Travel	:1.5±0.5mm
Operating Force	:600±200gf
Mechanical Life	:200,000 Cycles;
Load Life	:50,000 cycles;
Openrating Temperature	:-20°C~70°C
Function	:OFF-(ON) ON-OFF

开关表面效果 SWITCH SURFACE

Natural SUS 不锈钢本色	Mirror Chrome Plated 镜面镀铬	Velour Chrome Plated 丝绒铬	CD Pattern CD纹	AL Black Anodized 铝氧化黑	AL Gold Anodized 铝氧化金	AL Red Anodized 铝氧化红

PBM19	11 M	F	D R 6	S 0	S						
Series 系列号	Function 开关功能		Button Type 按键类型		Lamp Type 灯类型			Body Type 外壳类型		Terminal Shape 端子形状	
	Switch Assemble 开关组合	Operation type 操作类型	F Flat 平柄	R Round 圆弧形	Light Type 发光形状	Lamp Color 灯颜色	Lamp Voltage 灯电压	Body Material 外壳材质	Surface Plated 表面处理	S Solder Terminal 焊线端子	L Connection Column 接线柱
11	2P	M Momentary 复位	H High 高柄	C Concave 凹柄	N None 不带灯	N Without LED W White 白色	N Without LED 3 3V	B Brass 黄铜	0 Without Surface Plated 本色		
13	3P	Z Lock 自锁			R Red 红色	R Red 红色	6 6V	S SUS 不锈钢	1 Mirror Chrome plated 镜面镀铬		
23	6P	I Indicator 指示灯			D Spot 点状	G Green 绿色	12 12V	Z Zn Alloy 锌合金	2 Mirror Nickel plated 镜面镀镍		
					R Ring 环状	U Blue 蓝色	24 24V	A Al Alloy 铝合金	3 Mirror Gold plated 镜面镀金		
					P Power 电源 Logo 符号	Y Yellow 黄色	110 110V		4 Velour Chrome plated 丝绒铬		
							220 220V		5 CD Pattern CD纹		
									6 Black oxide 煲黑		
									7 Blast sanding 喷砂		
									8 Yellow oxidation 氧化黄色		
									9 Red oxidation 氧化红色		

Series	Mounting Hole	Function	Cap Type	Lamp Type	Body Type	Terminal Shape
PBM	19	11 M	F	D R 6	S 4	S
系列号	开孔尺寸	开关功能	上盖形状	灯类型	外壳材质处理	端子形状

带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关

带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

光电触摸开关

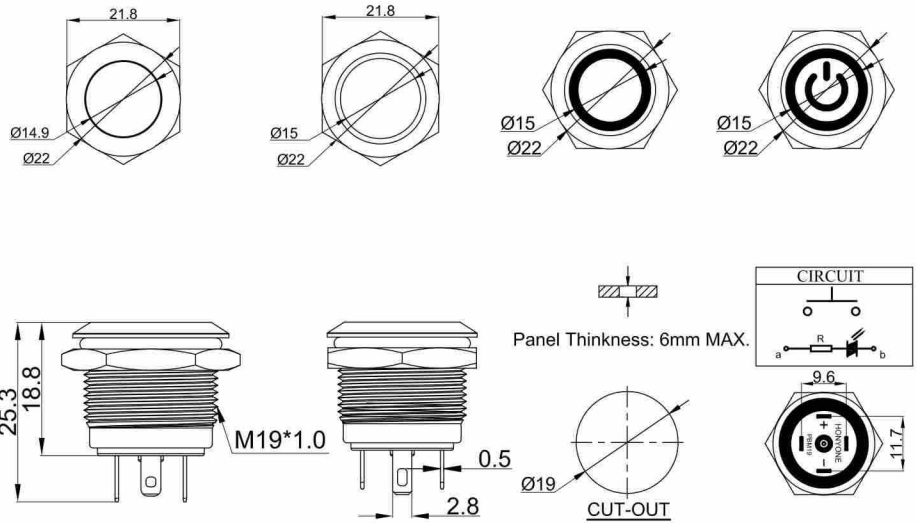
旋转开关



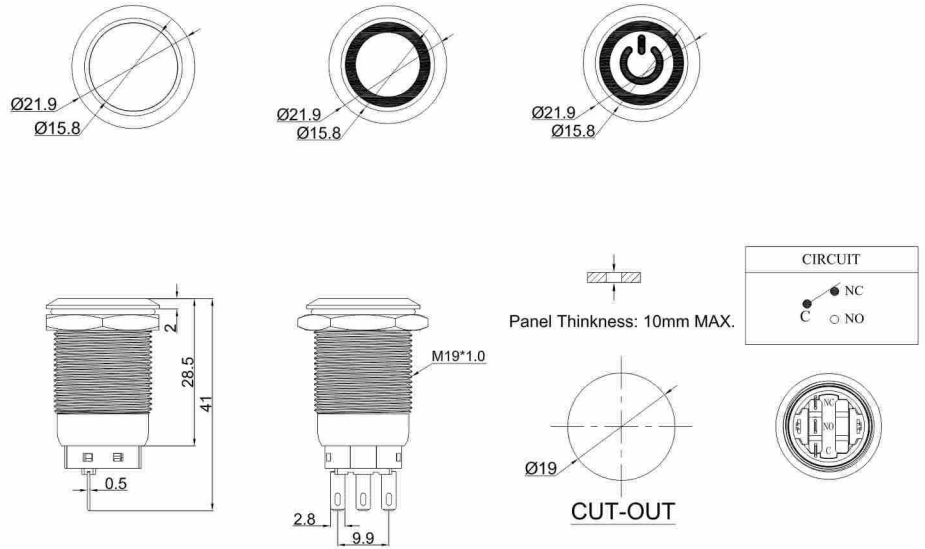
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PBM19-11M-F-RR2-S0 PBM19-11M-F-PG3-S0



PBM19-13Z-F-PU3-S0 PBM19-13Z-F-RG3-S0



带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关



PS19-22Z-HS-NNN-SN-S



PS19-22Z-FS-PU3-SN-S



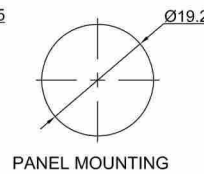
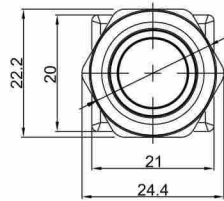
PS30-22Z-FS

SPECIFICATIONS

Rating	:16A 125VAC; :16A 250VAC;
Contact Resistance	:50mΩ Max
Insulation Resistance	:DC 500V 100mΩ Min;
Dielectric Strength	:AC 1500V 1 minute
Total Travel	:5.0±0.5mm
Operating Force	:750±200gf
Mechanical Life	:Over 30,000 cycles
Electrical Life	:Over 10,000 cycles
Operating Temperature	:-20°C ~70°C
Protection type	:IP40 (terminal side) IP65 (Panel waterproof)
Mechanical collision protection type	:IK07
Function	:OFF-ON
Safety Approval	:

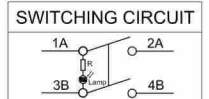


PS19-22Z-FS-RR2-SN-S

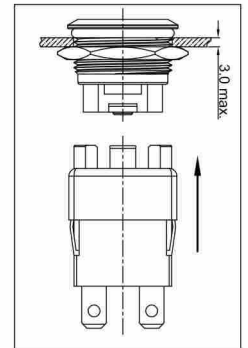


CUT-OUT

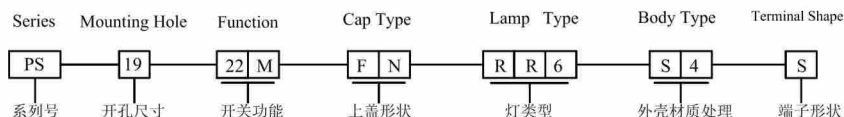
0.75mm MIN.
3.0mm MAX.



How to Assemble



PS19	11 M	F N	S R 6	S 4	S						
Series 系列号	Function 开关功能		Button Type 按键类型		Lamp Type 灯类型			Body Type 外壳类型		Terminal Shape 端子形状	
	Switch Assemble 开关组合	Operation type 操作类型	Button Type 按键形状	Button Color 按键颜色	Light Type 发光形状	Lamp Color 灯颜色	Lamp Voltage 灯电压	Body Material 外壳材质	Surface Plated 表面处理	S	L
11	2P	M Momentary 复位	F Flat 平柄	N Without LED	N None 不带灯	N Without LED	N Without LED	B Brass 黄铜	N Without Surface plated 无处理	S	Solder Terminal 焊线端子
22	4P	Z Lock 自锁	R Round 圆弧柄	W White 白色	S Spot 点状	W White 白色	3 3V	S SUS 不锈钢	1 Mirror Chrome plated 镜面镀铬	L	Connection Column 接线柱
		I Indicator 指示灯	H High 高柄	R Red 红色	R Ring 环状	R Red 红色	6 6V	Z Zn Alloy 锌合金	2 Mirror Nickel plated 镜面镀镍		
			S Square 方柄	G Green 绿色	P PowerLogo 电源符号	G Green 绿色	12 12V	A Al Alloy 铝合金	3 Mirror Gold plated 镜面镀金		
				U Blue 蓝色		U Blue 蓝色	24 24V		4 Velour Chrome plated 丝绒铬		
				Y Yellow 黄色		Y Yellow 黄色	110 110V		5 CD Pattern CD 纹		
				B Black 黑色			220 220V		6 Black oxide 覆黑		
				S Natural 金属本色							



带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

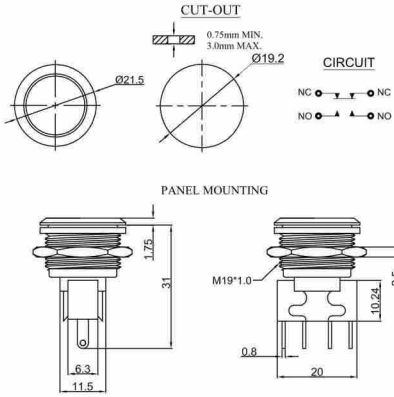
保险丝座

光电触摸开关

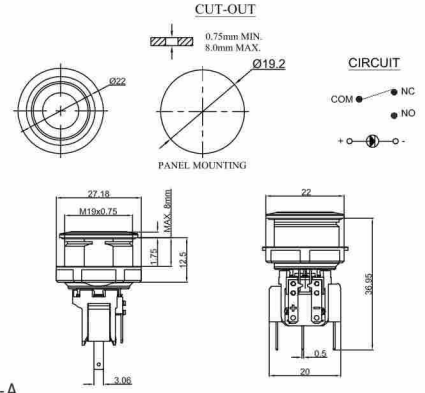
旋转开关



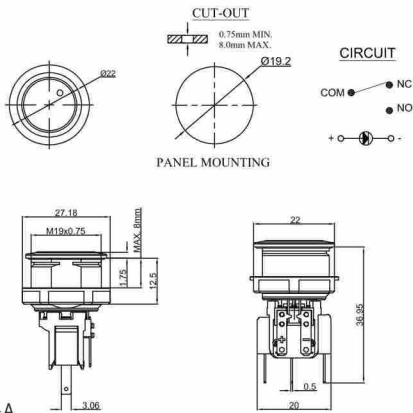
PSM19-12M-FS-NNN-SN-A



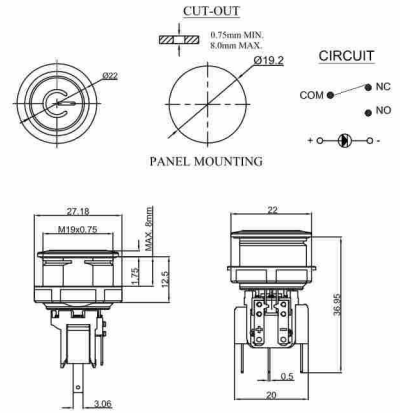
PSM19-13M-FS-RR3-SN-A



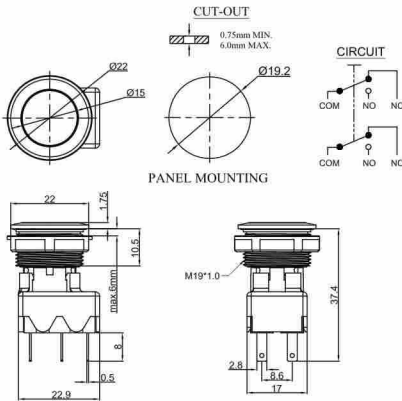
PSM19-13M-FS-SG3-SN-A



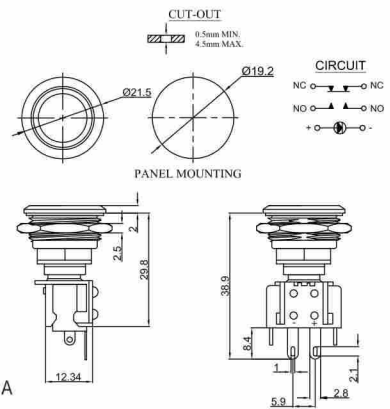
PSM19-13M-FG-PU3-SN-A



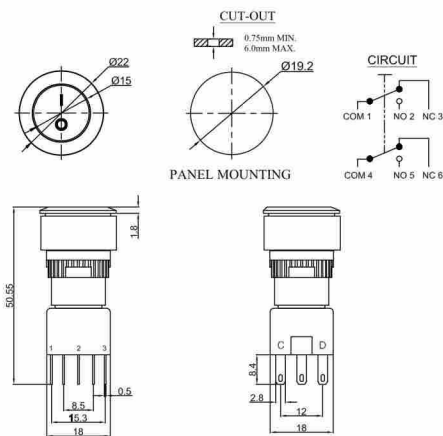
PSM19-23M-FS-NNN-SN-A



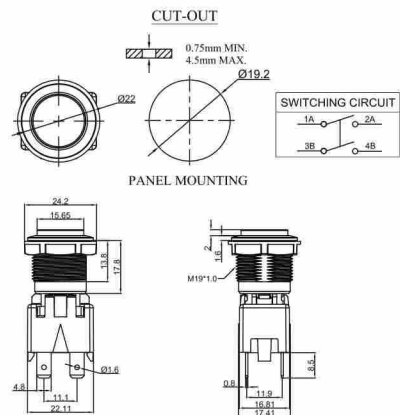
PSM19-12M-FS-RU3-SN-A



PSM19-23M-FS-DU3-SN



PSM19-22Z-HS-NNN-SN-B



带灯轻触开关



PBM22-12M-FNN-S0



PBM22-12M-F-RU3-Z8



PBM22-12M-F-PU6-S0



PBM22-12M-F-DR3-S0

SPECIFICATIONS

Rating	:5A 250VACmax; 2A 36VDCmax;
Contact Resistance	:50mΩ Max;
Dielectric Strength	:1000VAC for 1 Minute;
Total Travel	:2.5±0.5mm;
Operating Force	:600±200gf
Mechanical Life	:2000,000cycles;
Load Life	:50,000cycles;
Operating Temperature	:-20°C~70°C
Function	:Momentary

灯珠规格

灯珠等效电路图

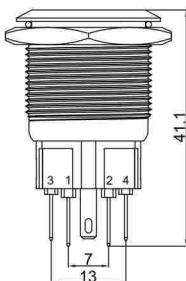
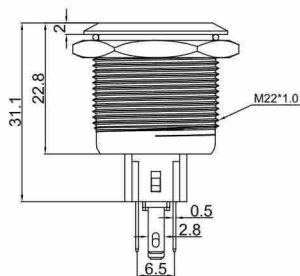
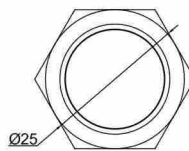
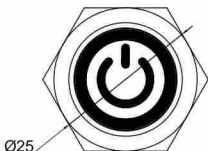
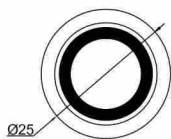
灯珠类型	LED灯珠		
	额定电压 AC/DC6V	AC/DC 12V	AC/DC24V
发光颜色	R	G Y O U	W
寿命	约40000小时		



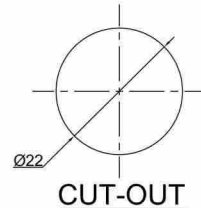
注：灯珠内置保护电阻,不需外接。其他电压规格可按要求定做。

带灯按钮开关

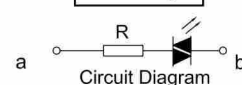
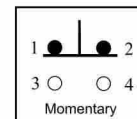
按钮开关



Panel Thickness: 10mm MAX.



CUT-OUT



金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关

PBM22 — 12 M — F — D R 6 — Z 6

Series 系列号	Function 开关功能		Button Type 按键类型			Lamp Type 灯类型			Body Type 外壳类型	
	Switch Assemble 开关组合	Operation type 操作类型	F	R	H	Light Type 发光形状	Lamp Color 灯颜色	Lamp Voltage 灯电压	Body Material 外壳材质	Surface Plated 表面处理
12	4P	M Momentary 复位	Flat 平柄	Round 圆弧柄	High 高柄	N None 不带灯	N Without LED	N Without LED	B Brass 黄铜	0 Without Surface Plated 本色
		Z Lock 自锁				D Spot 点状	W White 白色	3 3V	S SUS 不锈钢	1 Mirror Chrome plated 镜面镀铬
						R Ring 环状	R Red 红色	6 6V	Z Zn Alloy 锌合金	2 Mirror Nickel plated 镜面镀镍
						P Power 电源 Logo 符号	G Green 绿色	12 12V	A Al Alloy 铝合金	3 Mirror Gold plated 镜面镀金
							U Blue 蓝色	24 24V		6 Black oxide 氧化黑
							Y Yellow 黄色	110 110V		7 Blast sanding 喷砂
								220 220V		8 Yellow oxidation 氧化黄色
										9 Red oxidation 氧化红色

Series Mounting Hole Function Cap Type Lamp Type Body Type
 PBM 22 12 M F D R 6 S 4
 系列号 开孔尺寸 开关功能 上盖形状 灯类型 外壳材质处理



PBM25-12M-F-NNN-S0



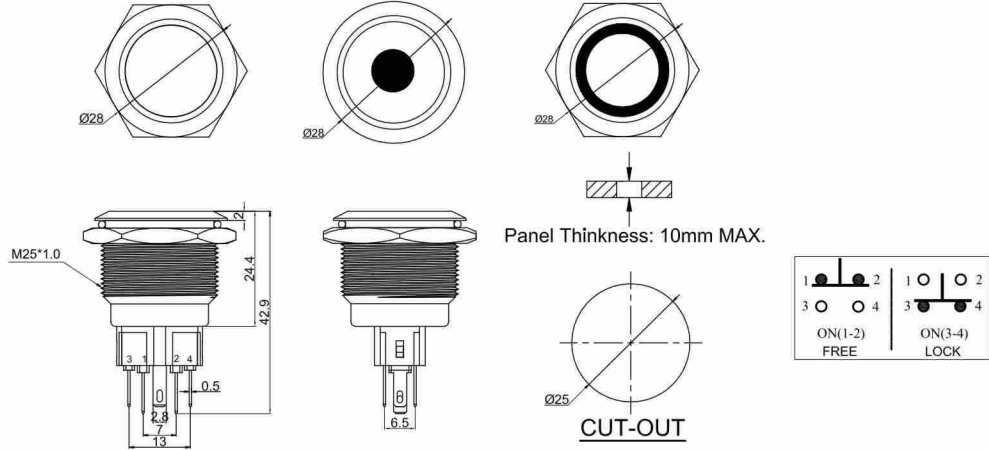
PBM25-22Z-F-DR3-S0

SPECIFICATIONS

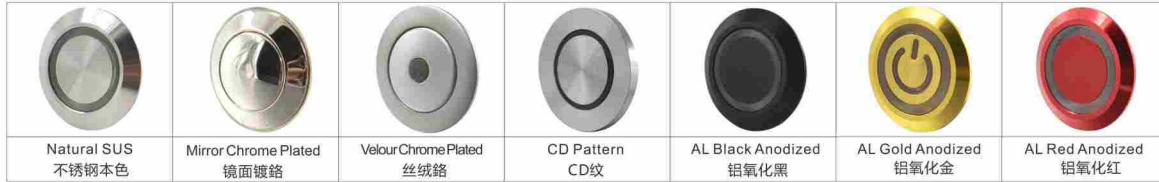
Rating	:5A 250VAC max; :2A 36VDCmax
Contact Resistance	:50MΩ Max.;
Dielectric Strength	:1000VAC for 1 Minute;
Total Travel	:2.8±0.5mm;
Operating Force	:600±200gf;
Mechanical Life	:200,000Cycles;
Load Life	:50,000cycles;
Operating Temperature	:-20°C~70°C ;
Function	:ON-OFF OFF-(ON)



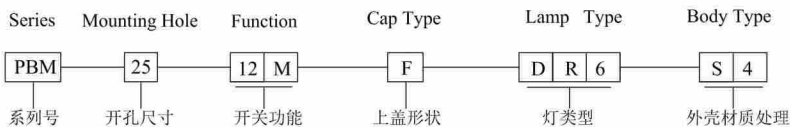
PBM25-12M-F-RG3-S0



开关表面效果 SWITCH SURFACE



PBM25	12 M	F	D R 6	Z 6
Series 系列号	Function 开关功能	Button Type 按键类型	Lamp Type 灯类型	Body Type 外壳类型
Switch Assemble 开关组合	Operation type 操作类型	F Flat 平柄 R Round 圆弧柄 H High 高柄	Light Type 发光形状	Body Material 外壳材质
12	4P M Momentary 复位		Lamp Color 灯颜色	Surface Plated 表面处理
22	8P Z Lock 自锁		N Without LED W White 白色 R Red 红色 G Green 绿色 U Blue 蓝色 Y Yellow 黄色	B Brass 黄铜 S SUS 不锈钢 Z Zn Alloy 锌合金 A Al Alloy 铝合金
			N None 不带灯 D Spot 点状 R Ring 环状 P Power Logo 符号	0 Without Surface Plated 本色 1 Mirror Chrome plated 镜面镀铬 2 Mirror Nickel plated 镜面镀镍 3 Mirror Gold plated 镜面镀金 6 Black oxide 发黑 7 Blast sanding 喷砂 8 Yellow oxidation 氧化黄色 9 Red oxidation 氧化红色
			Lamp Voltage 灯电压	
			N Without LED 3 3V 6 6V 12 12V 24 24V 110 110V 220 220V	



带灯轻触开关

带灯按钮开关

按钮开关



PBM30-12M-F-N-S0



PBM30-12M-F-RR3-S0



PBM30-12M-H-N



PBM30-12Z-F-DG3-S0

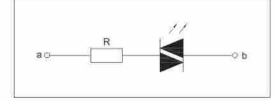
SPECIFICATIONS

Rating	:5A 250VACmax; :2A 36VDCmax;
Contact Resistance	:50mΩ Max.;
Dielectric Strength	:1000VAC for 1 Minute
Total Travel	:2.8±0.5mm;
Operating Force	:600±200gf;
Meachanical Life	:200,000Cycles
Load Life	:50,000 cycles;
Operating Temperature	:-20°C ~70°C;
Function	:Momentary ON-OFF

灯珠规格

灯珠类型	LED灯珠		
额定电压	AC/DC6V	AC/DC 12V	AC/DC24V
发光颜色	R	G Y C U	W
寿命	约40000小时		

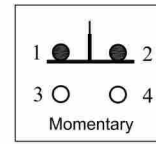
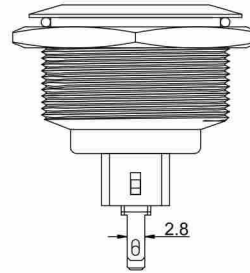
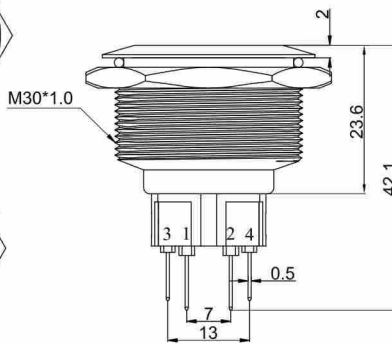
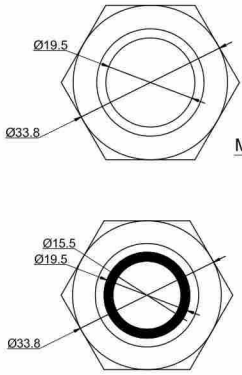
灯珠等效电路图



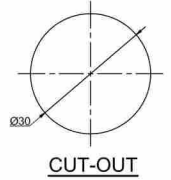
注：灯珠内置保护电阻,不需外接。其他电压规格可按要求定做。

金属按钮开关

翘板开关



Panel Thickness: 10mm MAX.

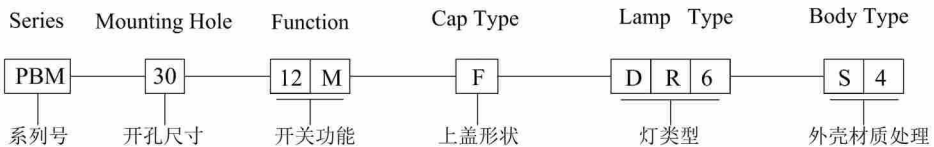


保险丝座

光电触摸开关

旋转开关

PBM30	12 M	F	D R 6	Z 6					
Series 系列号	Function 开关功能		Button Type 按键类型		Lamp Type 灯类型		Body Type 外壳类型		
	Switch Assemble 开关组合	Operation type 操作类型	F Flat 平柄	R Round 圆弧柄	H High 高柄	Light Type 发光形状	Lamp Color 灯颜色	Lamp Voltage 灯电压	Body Material 外壳材质
12	4P	M Momentary 复位			N None 不带灯	N Without LED	N Without LED	B Brass 黄铜	0 Without Surface Plated 本色
22	8P	Z Lock 自锁			D Spot 点状	W White 白色	3 3V	S SUS 不锈钢	1 Mirror Chrome plated 镜面镀铬
					R Ring 环状	R Red 红色	6 6V	Z Zn Alloy 锌合金	2 Mirror Nickel plated 镜面镀镍
					P Power 电源 Logo 符号	G Green 绿色	12 12V	A Al Alloy 铝合金	3 Mirror Gold plated 镜面镀金
						U Blue 蓝色	24 24V		6 Black oxide 煲黑
						Y Yellow 黄色	110 110V		7 Blast sanding 喷砂
							220 220V		8 Yellow oxidation 氧化黄色
									9 Red oxidation 氧化红色



Honyone



翘板开关
ROCKER SWITCHES



SR-B-110-C5N-BB



SR-B-110-C5E-BR



SR-B-110-C5E-BG



SR-A-111-H0E-BB



SR-A-111-H0E-BU

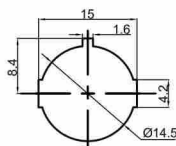


防水帽

SPECIFICATIONS

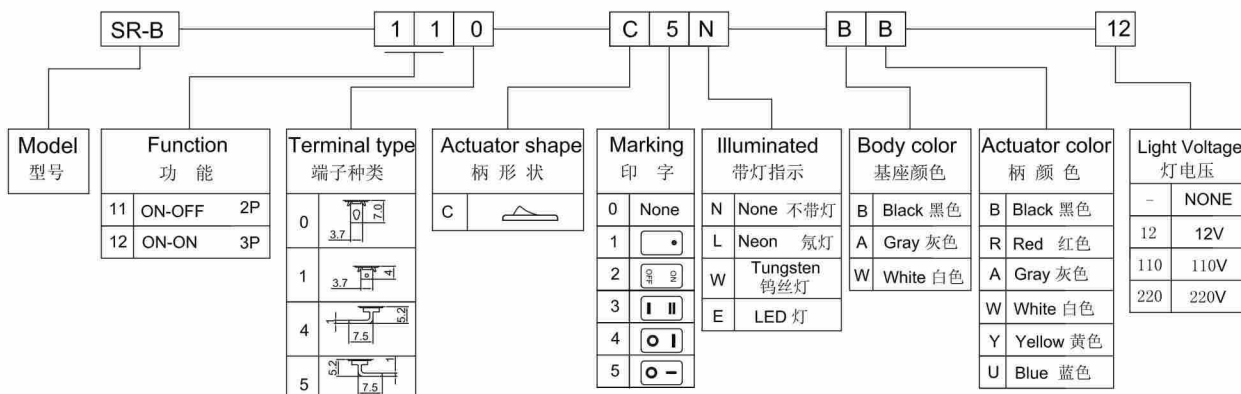
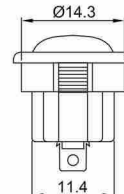
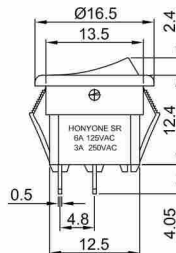
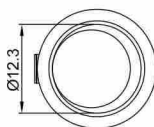
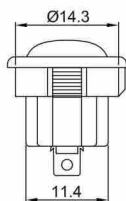
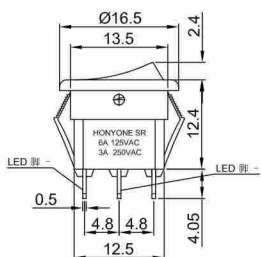
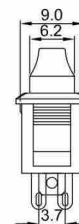
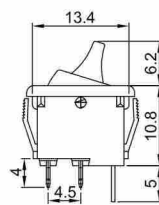
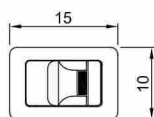
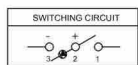
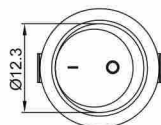
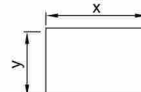
Rating	:6A 125VAC 3A 250VAC
Contact Resistance	:50mΩ Max
Insulation Resistance	:DC 500V 100MΩ Min
Dielectric Strength	:AC 1500V 1 minute
Operating Force	:250±100gf
Mechanical Life	:50,000cycles
Load Life	:10,000 Cycles
Operating Temperature	:-20°C~85°C
Safety Approval	

CUT-OUT



	X	Y
0.75-1.25	13.6-0.1	19.2±0.1
1.25-2.00	13.7-0.1	19.2±0.1
2.00-3.00	13.8-0.1	19.2±0.1

CUT-OUT





MR-1-110-C5N-BB



MR-1-115-C5N-BB



MR-1-138-C6N-BB



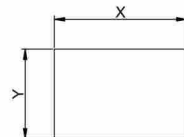
MR-1-116-C5N-BB



MR-1-110-C5N-BB

SPECIFICATIONS

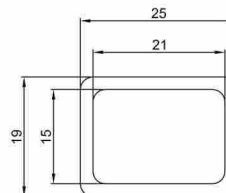
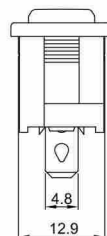
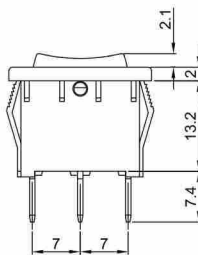
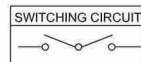
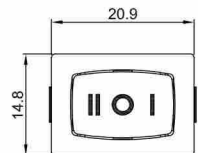
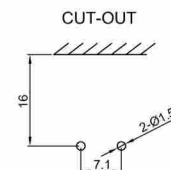
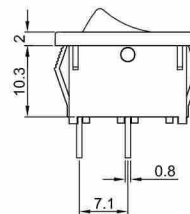
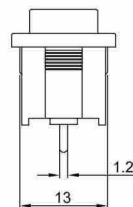
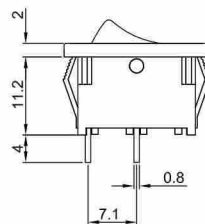
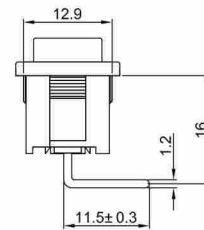
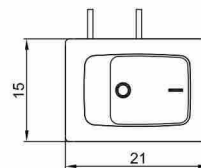
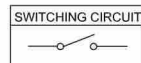
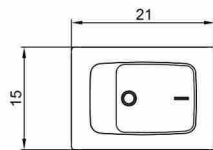
Rating	:12A 125VAC (UL CUL) :10A 250VAC (VDE CQC ENEC)
Contact Resistance	:50mΩ Max
Insulation Resistance	:DC 500V 100MΩ Min
Dielectric Strength	:AC 1500V 1 minute
Mechanical Life	:Over 30,000 Cycles
Electrical Life	:Over 10,000 cycles
Operating Temperature	: -20°C ~ 85°C
Safety Approval	



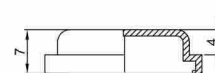
MOUNTING HOLE

CUT-OUT

	X	Y
0.75~1.25	19.2-0.1	13.0+0.1
1.25~2.00	19.4-0.1	13.0+0.1
2.00~3.00	19.8-0.1	13.0+0.1



PVC CAP



带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关

带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关



MR-1-110-C5L-BR



MR-1-110-W0L-BB



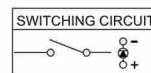
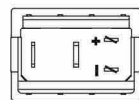
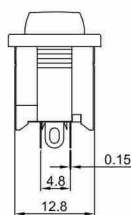
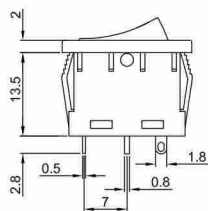
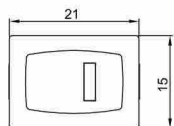
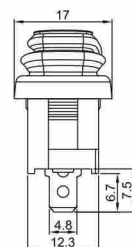
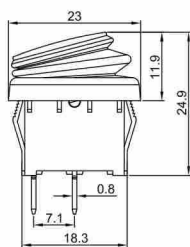
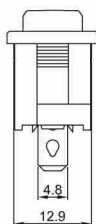
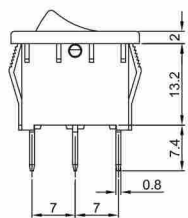
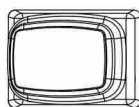
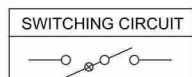
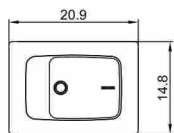
WR-1-110-P6N-BB



MR-1-110-P0N-BR



MR-1-110-P0L-BR



Model 型号	Function 功能	Terminal type 端子种类	Actuator shape 柄形状	Marking 印字	Illuminated 带灯指示	Body color 底座颜色	Actuator color 柄颜色	Current 电流	Light Voltage 灯电压
MR-1									
11	ON-OFF	2P	C	0	None	B	B	-	NONE
12	ON-ON	3P	W	1	Neon 氖灯	A	R	BB	3
13	ON-OFF-ON	3P	P	2	LED	W	A		12
14	OFF -(ON)	2P	F	3	Tungsten lamp 钨丝灯		W		110
15	ON-(OFF)	2P		4			Y		220
16	(ON)-(OFF-(ON))	3P		5			U		
17	(ON)-(OFF-ON)	3P		6					
18	(ON)-ON	3P		7					
			A	8					
			9	9					
				10					
				110					

Notes:

- 1. 端子种类4代表弯向:
- Terminal type Indicate:
- 2. 端子种类5代表弯向:
- Terminal type Indicate:

MR-2 SERIES ROCKER SWITCHES



MR-2-110-C5N-BB



MR-2-130-C6N-BB



MR-2-114-C5N-BR



MR-2-113-C5N-WW



防水帽

SPECIFICATIONS

Rating :12A 125VAC (UL CUL)
:10A 250VAC (VDE CQC ENEC)

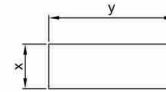
Contact Resistance :50mΩ Max

Insulation Resistance :DC 500V 100MΩ Min

Dielectric Strength :AC 1500V 1 minute

Electrical Life :10,000 Cycles

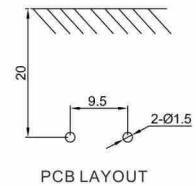
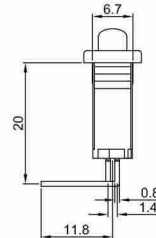
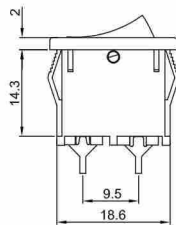
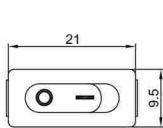
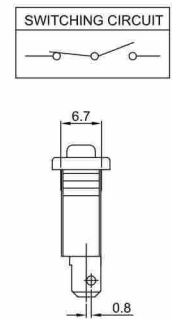
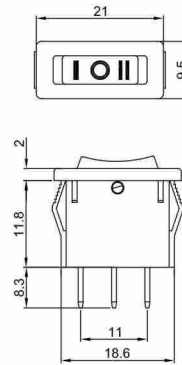
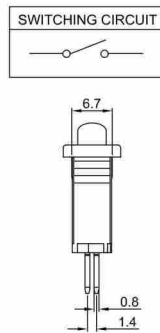
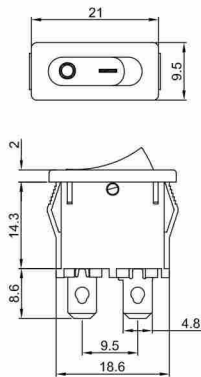
Safety Approval



MOUNTING HOLE

CUT-OUT

	X	Y
0.75~1.25	6.8-0.1	19.2±0.1
1.25~2.00	6.8-0.1	19.2±0.1
2.00~3.00	6.8-0.1	19.2±0.1



MR-2 — 1 1 0 — C 5 N — B B






Model 型号	Function 功能	Terminal type 端子种类	Actuator shape 柄形状	Marking 印字	Illuminated 带灯指示	Body color 基座颜色	Actuator color 柄颜色
11	ON-OFF 2P	0	C	0 None	N None 不带灯	B Black 黑色	B Black 黑色
12	ON-ON 3P	2		1		A Gray 灰色	R Red 红色
13	ON-OFF-ON 3P	3		3		W White 白色	A Gray 灰色
		4		4		R Red 红色	W White 白色
		5		5		P Purple 紫色	Y Yellow 黄色
		6		6			U Blue 蓝色
							P Purple 紫色

Notes:

1. 端子种类4代表弯向: Terminal type 4 Indicate:

2. 端子种类5代表弯向: Terminal type 5 Indicate:

SPECIFICATIONS

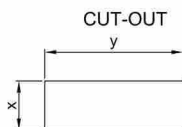
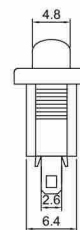
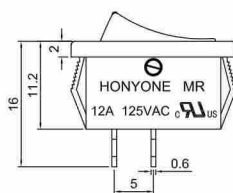
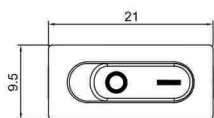
Rating	: 12A 125VAC (UL CUL)
	: 10A 250VAC (VDE CQC ENEC)
Contact Resistance	: 20mΩ Max
Insulation Resistance	: DC 500V 100MΩ Min
Dielectric Strength	: AC 1500V 1 minute
Operating Force	: 300±100gf
Mechanical Life	: 50,000cycles
Load Life	: 10,000 Cycles
Operating Temperature	: 0°C~85°C
Safety Approval	    



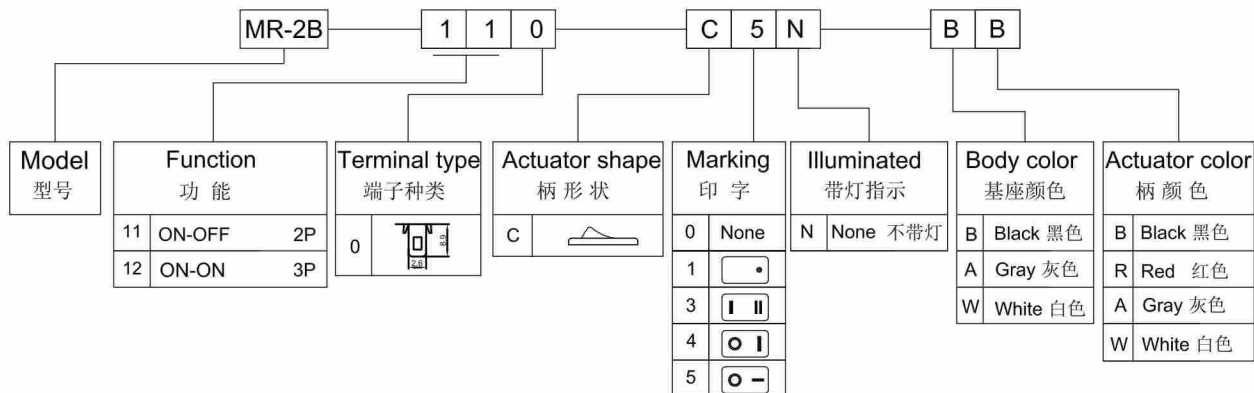
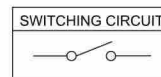
MR-2B-110-C5N-BB MR-2B-110-C5N-BB+防水罩



MR-2B-110-C5N-WW



	X	Y
0.75~1.25	6.5±0.1	19.1-0.1
1.25~2.00	6.5±0.1	19.2-0.1
2.00~3.00	6.5±0.1	19.3-0.1



MR-3 SERIES ROCKER SWITCHES

带灯轻触开关



MR-3-220-C5N-BB



MR-3-220-C3N-BB

SPECIFICATIONS

Rating	:12A 125VAC (UL CUL) 10A 250VAC (VDE CQC ENEC)
Contact Resistance	:50mΩ Max
Insulation Resistance	:DC 500V 100MΩ Min
Dielectric Strength	:AC 1500V 1 minute
Electrical Life	:10,000 Cycles
Safety Approval	

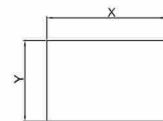
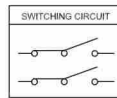
带灯按钮开关



MR-3-230-C6N-BB



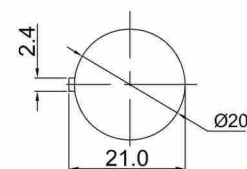
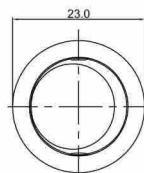
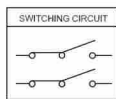
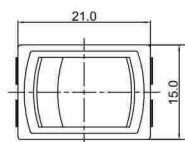
MR-3-220-R5N-BB



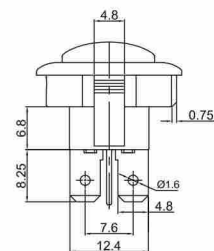
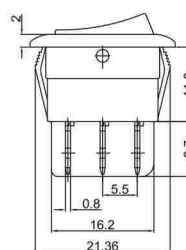
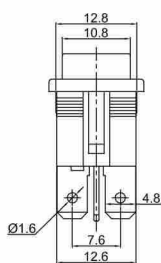
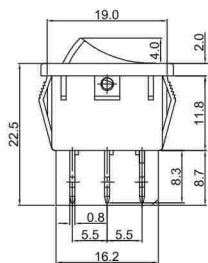
MOUNTING HOLE CUT-OUT

	X	Y
0.75~1.25	19.2-0.1	12.9+0.15
1.25~2.00	19.4-0.1	12.9+0.15
2.00~3.00	19.8-0.1	12.9+0.15

按钮开关



金属按钮开关



翘板开关

保险丝座

Model 型号	Function 功能	Terminal type 端子种类	Actuator shape 柄形状	Marking 印字	Illuminated 带灯指示	Body color 底座颜色	Actuator color 柄颜色	Light Voltage 灯电压
MR-3								
2	ON-ON 6P	0	C	0 None	N None 不带灯	B Black 黑色	B Black 黑色	None
1	ON-OFF-ON 6P		R	1	L Neon 氖灯	A Gray 灰色	R Red 红色	12 12V
0	(ON)-ON 6P			2	W Tungsten 钨丝灯	W White 白色	A Gray 灰色	110 110V
1	(ON)-OFF-(ON) 6P			3			W White 白色	220 220V
2				4			Y Yellow 黄色	
3				5			U Blue 蓝色	
4				6			G Green 绿色	
5				7				
6				8				

光电触摸开关

旋转开关



MR-6-210-C5N-BB MR-6-211-C5N-BB MR-6-213-C5N-BB MR-6-210-C5L-BR MR-6C-210-C5L-BG WR-6-210-C5L-BG

SPECIFICATIONS

Rating : 12A 125VAC (UL CUL)
 : 10A 250VAC (CQC ENEC)

Contact Resistance : 20mΩ Max

Insulation Resistance : DC 500V 100MΩ Min

Dielectric Strength : AC 1500V 1 minute

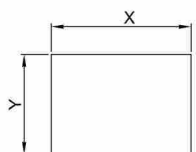
Operating Force : 450±200gf

Mechanical Life : 50,000 Cycles

Load Life : 10,000 cycles

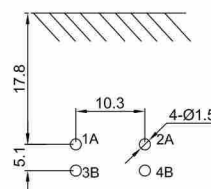
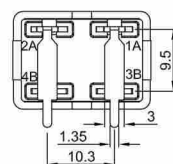
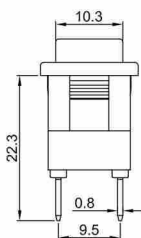
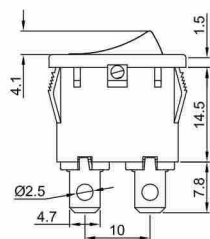
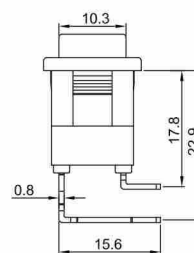
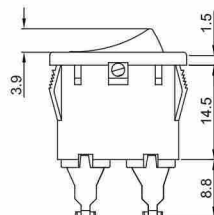
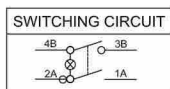
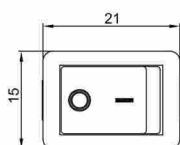
Operating Temperature : 0°C ~ 85°C

Safety Approval :



MOUNTING HOLE

	X	Y
0.75~1.25	19.2-0.1	13.0+0.1
1.25~2.00	19.4-0.1	13.0+0.1
2.00~3.00	19.8-0.1	13.0+0.1



Model 型号	Function 功能	Terminal type 端子种类	Actuator shape 柄形状	Marking 印字	Illuminated 带灯指示	Body color 底座颜色	Actuator color 柄颜色	Light Voltage 灯电压
MR-6								
210	ON-OFF	2P	C	0 None	N None 不带灯	B Black 黑色	B Black 黑色	NONE
211	ON-OFF	4P		1	L Neon 氖灯	A Gray 灰色	R Red 红色	12 12V
213	ON-OFF	3P		2	W Tungsten lamp 钨丝灯	W White 白色	A Gray 灰色	110 110V
				4	E LED		W White 白色	220 220V
				5			Y Yellow 黄色	
				6			U Blue 蓝色	
							G Green 绿色	
							O Orange 桔色	

带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关



MR-5-110-C5L-BR MR-5-110-HOL-BR WR-5-110-P0W-BG MR-5-110-C5N-BB MR-5-130-C6N-BB MR-5-110-R0L-BU

SPECIFICATIONS

Rating :12A 125VAC (UL CUL)
 :10A 250VAC (VDE CQC ENEC)

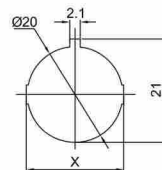
Contact Resistance :50mΩ Max

Insulation Resistance :DC 500V 100MΩ Min

Dielectric Strength :AC 1500V 1 minute

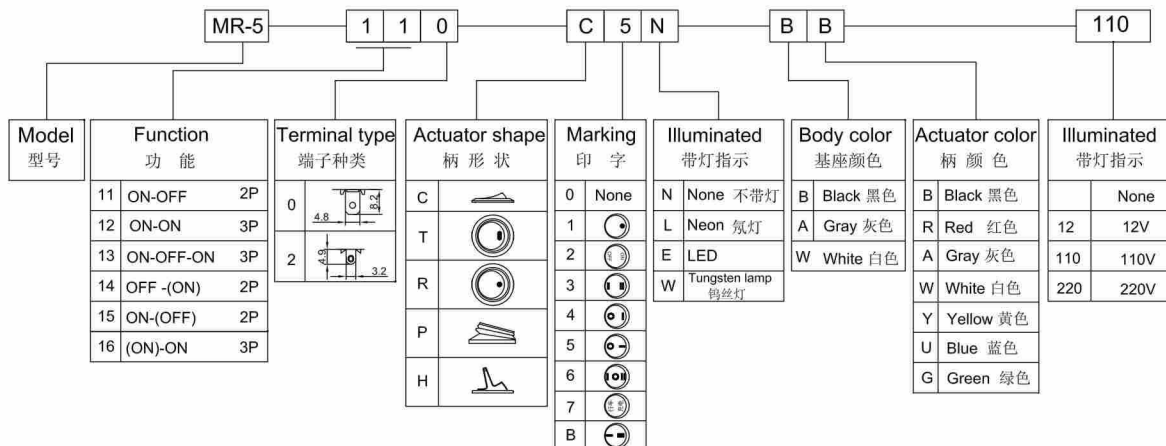
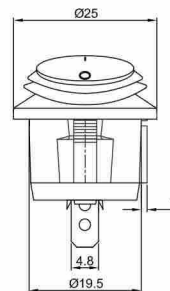
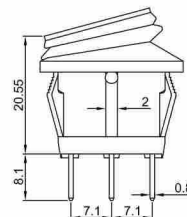
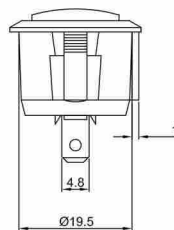
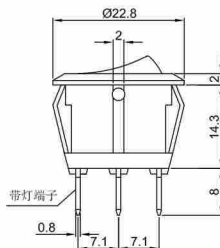
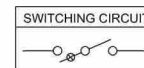
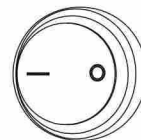
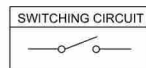
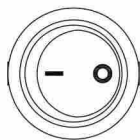
Electrical Life :10,000 Cycles

Safety Approval



	X
0.75~1.25	20.2
1.25~2.00	20.4
2.00~3.00	20.6

MOUNTING HOLE



带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关



MR-6A-210-C5N-BB



MR-6A-210-C5L-BG



MR-6A-210-C5E-BW



MR-6A-210-CXL-BR



WR-5A-210-C5L-BR



防水帽

SPECIFICATIONS

Rating : 12A 125VAC (UL CUL)
 10A 250VAC (VDE CQC ENEC)

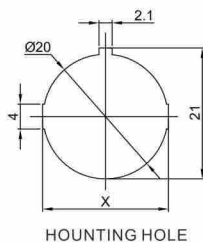
Contact Resistance : 50mΩ Max

Insulation Resistance : DC 500V 100MΩ Min

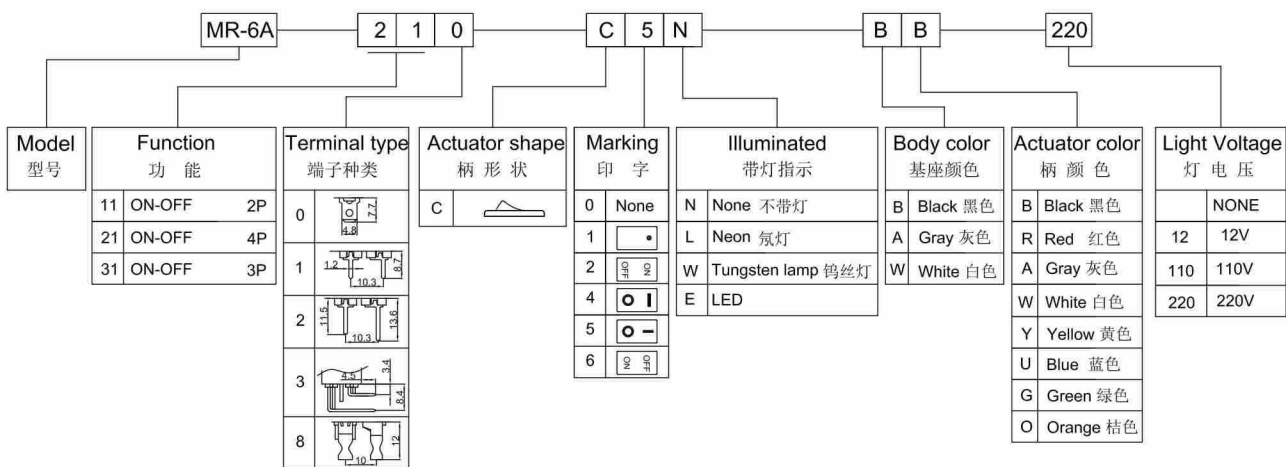
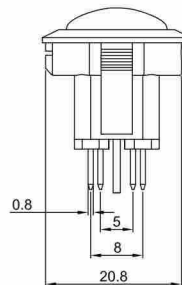
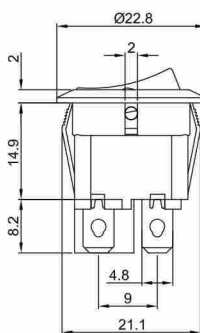
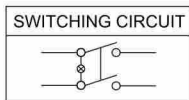
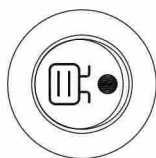
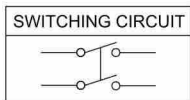
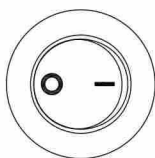
Dielectric Strength : AC 1500V 1 minute

Electrical Life : 10,000 Cycles

Safety Approval :



	X
0.75~1.25	20.2
1.25~2.00	20.4
2.00~3.00	20.6

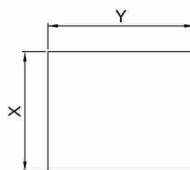




MR-4-210-C5N-BB MR-4-210-C5L-BG MR-4-230-C6N-BB MR-4-210-D5N-BB MR-4-220-HON-BB MR-4-210-C5L-BG+防水帽

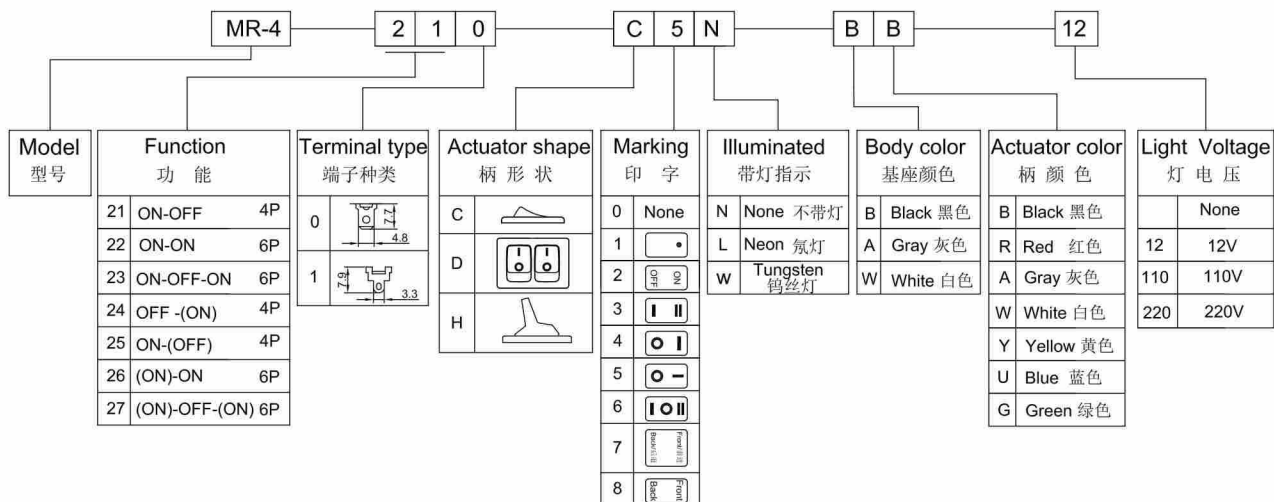
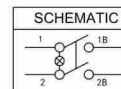
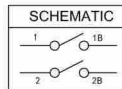
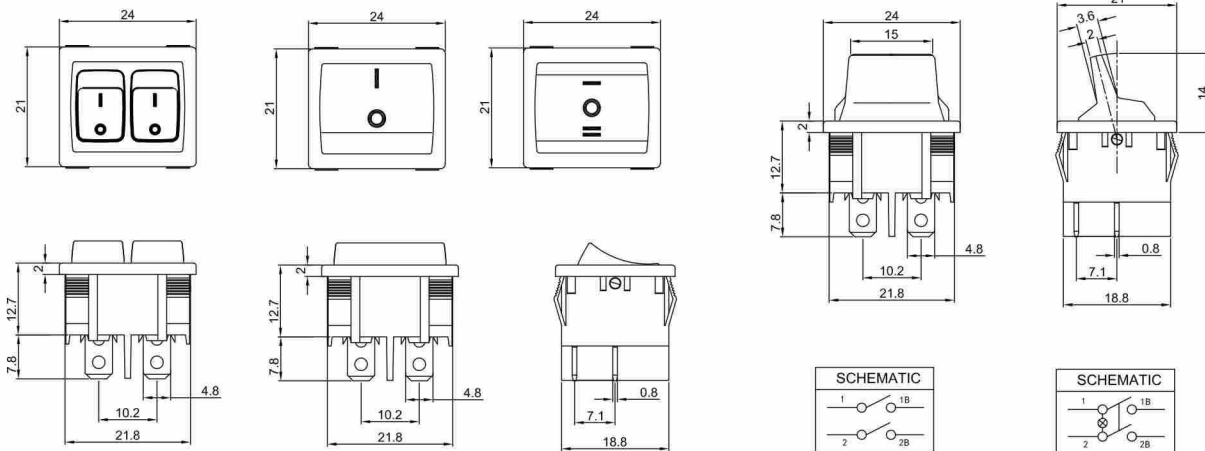
SPECIFICATIONS

Rating :12A 125VAC (UL CUL)
 10A 250VAC (VDE CQC ENEC)
 Contact Resistance :50mΩ Max
 Insulation Resistance :DC 500V 100MΩ Min
 Dielectric Strength :AC 1500V 1 minute
 Electrical Life :10,000 Cycles
 Safety Approval



	X	Y
	0.75~1.25	19.2~0.1 21.9~22.0
	1.25~2.00	19.4~0.1 21.9~22.0
	2.00~3.00	19.8~0.1 21.9~22.0

MOUNTING HOLE



带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关



R-4-210-C5N-BB



R-4-210-F5N-BB



R-4-230-C0N-BB



R-4-210-C5L-BR

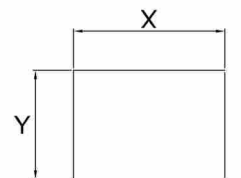


R-4-210-C5L-BG+防水帽

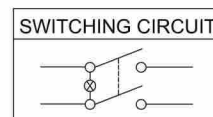
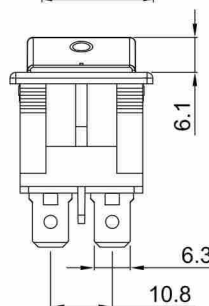
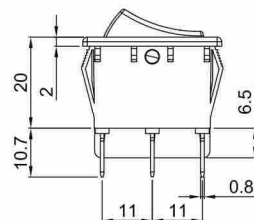
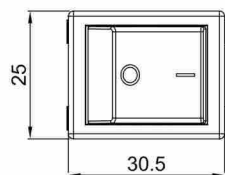
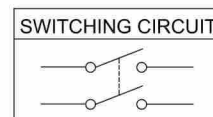
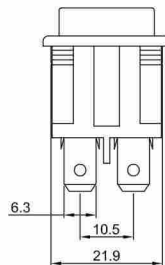
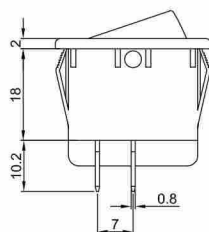
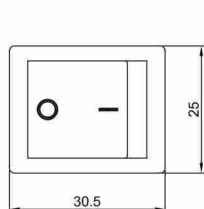
SPECIFICATIONS

Rating	:20A 125V AC(UL CUL) 22A 250V AC(ENEC CB CQC)
Contact Resistance	:50mΩ Max
Insulation Resistance	:DC 500V 100MΩ Min
Dielectric Strength	::AC 1500V 1 minute
Operating Force	:350±150gf
Mechanical Life	:Over 30,000cycles
Electrcal Life	:Over10,000 Cycles
Operating Temperature	:-20°C ~ +85°C
Safety Approval	UL US CE 10 CCC

	X	Y
0.75~1.25	28.0+0.10	22.0+0.10
1.25~2.00	28.2+0.10	22.0+0.10
2.00~3.00	28.4+0.10	22.0+0.10



MOUNTING HOLE



R-4 2 1 0 C 5 N B B - 110

Model 型号	Function 功能	Terminal type 端子种类	Actuator shape 柄形状	Marking 印字	Illuminated 带灯指示	Body color 基座颜色	Actuator color 柄颜色	Current Rating 电流	Light Voltage 灯电压
21	ON-OFF 4P	0	C	0 None	N None 不带灯	B Black 黑色	B Black 黑色	- 16A	- None
22	ON-ON 6P	1	F	1	L Neon 氖灯	A Gray 灰色	R Red 红色	BB 20A	110 110V
23	ON-OFF-ON 6P	1	F	2	E LED	W White 白色	G Green 绿色		220 220V
24	OFF -(ON) 4P	1	F	3			Y Yellow 黄色		
25	ON-(OFF) 4P	1	F	4			U Blue 蓝色		
26	(ON)-ON 6P	2	F	5			W White 白色		
				6			O Orange 桔色		
				7					
				8					



R-2-110-C0N-BB



R-2-110-C2L-BG



R-2-110-D5N-BG



R-2-110-D5N-BR



二合一开关 2 in1 switch
开关+过载保护

SPECIFICATIONS

Rating :20A 125V AC (UL CUL)
22A 250V AC (ENEC CB CQC)

Contact Resistance :50mΩ Max

Insulation Resistance :DC 500V 100MΩ Min

Dielectric Strength :AC 1500V 1 minute

Electrical Life :600±150gf

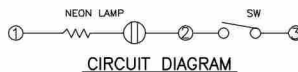
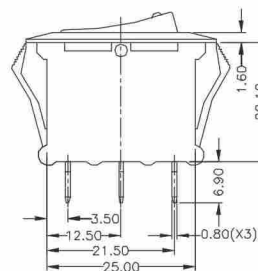
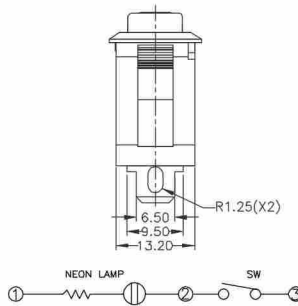
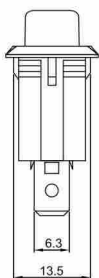
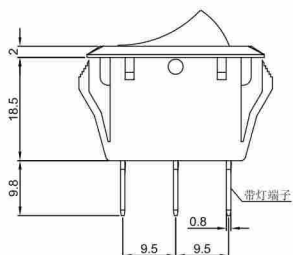
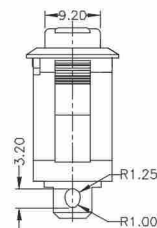
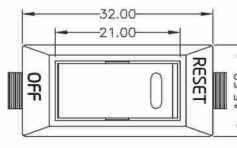
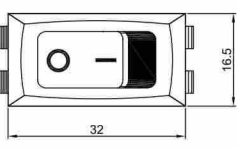
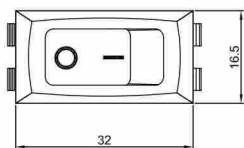
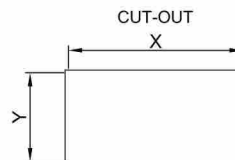
Operating Temperature :Over 10,000cycles;

Safety Approval :-20°C~+85°C

Funtion



	X	Y
0.75~1.25	28.6-0.1	13.8+0.1
1.25~2.00	28.8-0.1	13.8+0.1
2.00~3.00	29.2-0.1	13.8+0.1



Model 型号	Function 功能	Terminal type 端子种类	Actuator shape 柄形状	Marking 印字	Illuminated 带灯指示	Body color 基座颜色	Actuator color 柄颜色	Light Voltage 灯电压
R-2								
110								
11	ON-OFF	2P	C	0 None	N None 不带灯	B Black 黑色	B Black 黑色	None
12	ON-ON	3P	D	1	L Neon 氖灯	A Gray 灰色	R Red 红色	12 12V
13	ON-OFF-ON	3P		2	E LED	W White 白色	G Green 绿色	110 110V
				3			Y Yellow 黄色	220 220V
				4			U Blue 蓝色	
				5			W White 白色	
				6			BR Black/Red 双色	
				7			O Orange 橘色	
				8				

带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关



R-1-110-C5N-BB



R-1-130-C6N-BB



R-1-110-R0L-BR



R-1-110-C5L-WG



防水帽

SPECIFICATIONS

Rating :20A 125V AC (UL CUL)
22A 250V AC (ENEC CB CQC)

Contact Resistance :50mΩ Max

Insulation Resistance :DC 500V 100MΩ Min

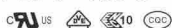
Dielectric Strength :AC 1500V 1 minute

Electrcal Life :600±150gf

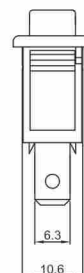
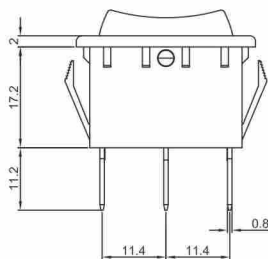
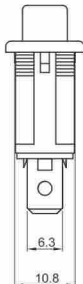
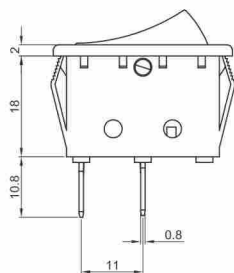
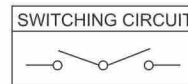
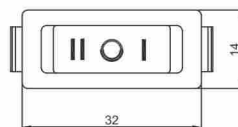
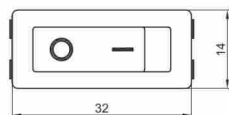
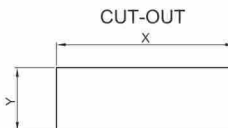
Operating Temperature :Over 10,000cycles;

Safety Approval :-20°C~+85°C

Funtion



	X	Y
0.75~1.25	30.0±0.1	11.0±0.1
1.25~2.00	30.2±0.1	11.0±0.1
2.00~3.00	30.4±0.1	11.0±0.1



Model 型号	Function 功能	Terminal type 端子种类	Actuator shape 柄形状	Marking 印字	Illuminated 带灯指示	Body color 基座颜色	Actuator color 柄颜色	Current Rating 电流	Light Voltage 灯电压
11	ON-OFF	2P	C	0	N None 不带灯	B Black 黑色	B Black 黑色	- 16A	None
12	ON-ON	3P	F	1	L Neon 氖灯	A Gray 灰色	R Red 红色	BB 20A	12 12V
13	ON-OFF-ON	3P	R	2	W 钨丝灯	W White 白色	G Green 绿色		110 110V
14	OFF-(ON)	2P		3			Y Yellow 黄色		220 220V
15	ON-(OFF)	2P		4			A Gray 灰色		
16	(ON)-OFF-(ON)	3P		5			U Blue 蓝色		
17	(ON)-OFF-ON	3P		6			W White 白色		
18	(ON)-ON	3P		7	D		T 透明柄		
				8	E				
				9	F				
				A	+SPEED I				
				B	I O I				
				C	关开				

带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关



R-210-C5N-BB



R-210-C5L-BG



R-230-C6N-BB



R-210-D0L-BR

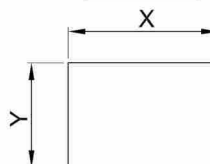


R-210-D5L-BB+防水帽

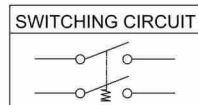
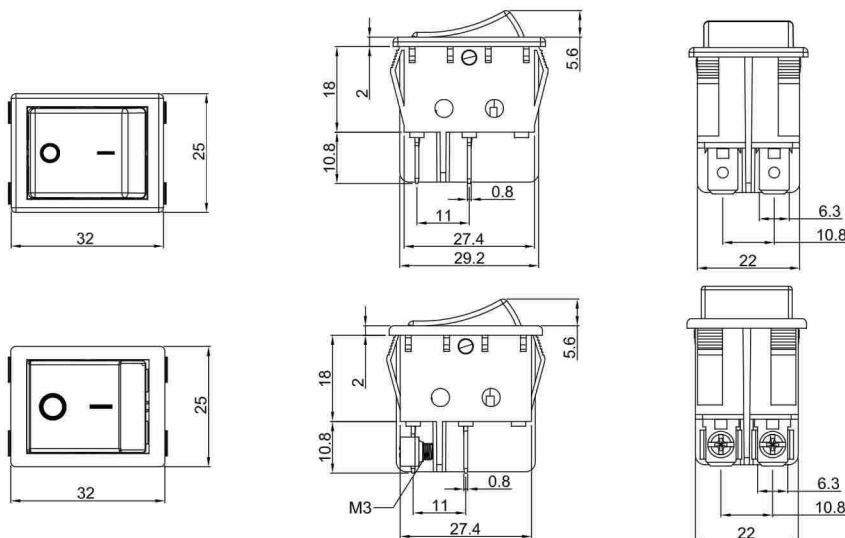
SPECIFICATIONS

Rating :20A 125V AC (UL CUL)
 22A 250V AC (ENEC CB CQC)
 Contact Resistance :50mΩ Max
 Insulation Resistance :DC 500V 100MΩ Min
 Dielectric Strength :AC 1500V 1 minute
 Electrical Life :600±150gf
 Operating Temperature :Over 10,000cycles;
 Safety Approval :-20°C~+85°C
 Funtion

CUT-OUT



	X	Y
0.75~1.25	30.0±0.1	22.0±0.1
1.25~2.00	30.2±0.1	22.0±0.1
2.00~3.00	30.4±0.1	22.0±0.1



Model 型号	Function 功能	Terminal type 端子种类	Actuator shape 柄形状	Marking 印字	Illuminated 带灯指示	Body color 基座颜色	Actuator color 柄颜色	Current Rating 电流	Light Voltage 灯电压
R									
21	ON-OFF 4P	0	C	0 None	N None 不带灯	B Black 黑色	B Black 黑色	- 16A	None
22	ON-ON 6P	0	C	1	L Neon 氖灯	A Gray 灰色	R Red 红色	BB 20A	12 12V
23	ON-OFF-ON 6P	3	R	2	E LED	W White 白色	G Green 绿色		110 110V
24	OFF-(ON) 4P	3	D	3			Y Yellow 黄色	220 220V	
25	ON-(OFF) 4P		D	4			U Blue 蓝色		
26	(ON)-ON 6P		DR	5			W White 白色		
27	(ON)-OFF-(ON) 6P		F	6			O Orange 橘色		
28	(ON)-OFF-ON 6P		H	7			T Transparence 透明		
			P	8					
			B	9					
			W	A					
			S	B					
				C					
				D					
				E					

带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关



R-210-W5L-BR



R-210-B5L-BR



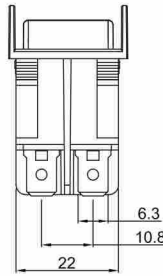
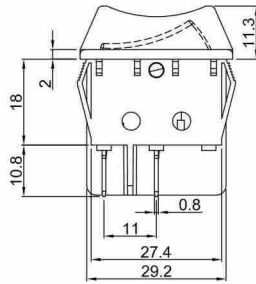
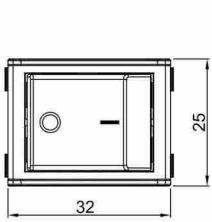
R-210-S5L-BG



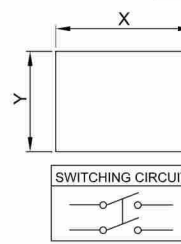
R-210-F5N-WW



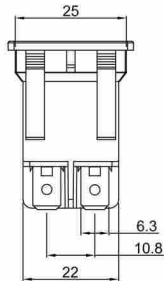
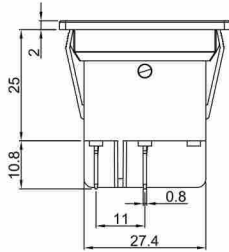
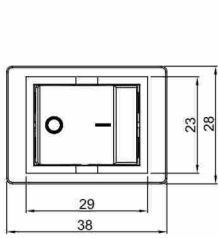
R-210-H0N-BB



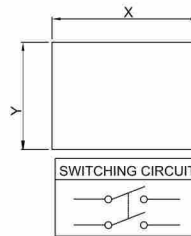
CUT-OUT



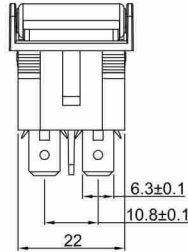
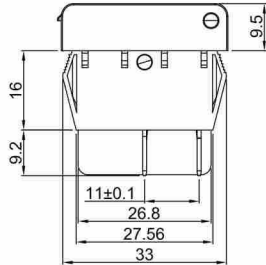
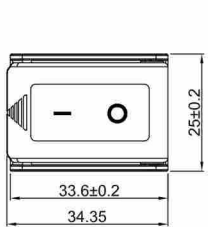
	X	Y
0.75~1.25	30.0±0.1	22.0±0.1
1.25~2.00	30.2±0.1	22.0±0.1
2.00~3.00	30.4±0.1	22.0±0.1



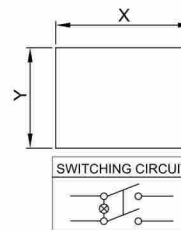
CUT-OUT



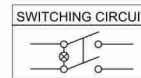
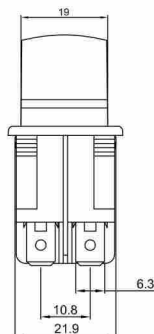
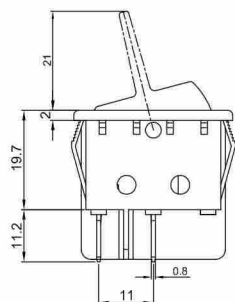
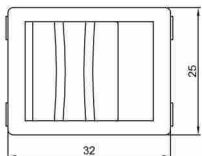
	X	Y
0.75~1.25	34.3±0.1	25.0±0.1
1.25~2.00	34.5±0.1	25.0±0.1
2.00~3.00	30.7±0.1	25.0±0.1



CUT-OUT



	X	Y
0.75~1.25	30.0±0.1	22.0±0.1
1.25~2.00	30.2±0.1	22.0±0.1
2.00~3.00	30.4±0.1	22.0±0.1



带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关



WR-210-P5N-BB



WR-210-P5L-BW



WR-210-P5L-BR



WR-210-P5L-BG

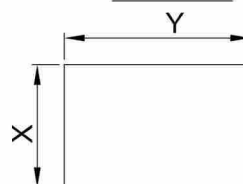


WR-210-P5L-BO

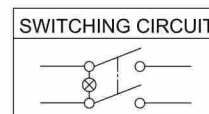
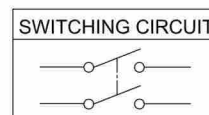
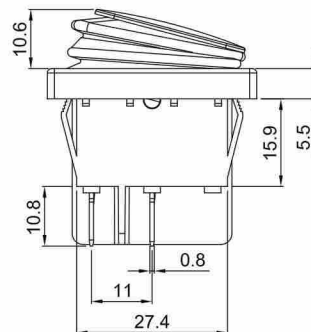
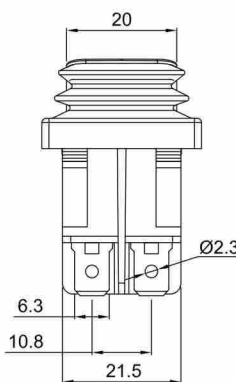
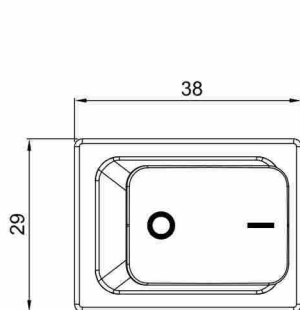
SPECIFICATIONS

Rating	:20A 125V AC (UL CUL) 22A 250V AC (ENEC CB CQC)
Contact Resistance	:50MΩMax
Insulation Resistance	:DC 500V 100MΩMin
Dielectric Strength	:AC1500V 1 minute
Operating Force	:600±150gf
Mechanical Life	:Over 30,000cycles
Electrical Life	:Over 10,000cycles
Operating Temperature	:-20°C~+85°C
Safety Approval	:

CUT-OUT



	X	Y
0.75~1.25	22.0±0.1	30.0±0.1
1.25~2.00	22.0±0.1	30.2±0.1
2.00~3.00	22.0±0.1	30.4±0.1



Model 型号	Function 功能	Terminal type 端子种类	Actuator shape 柄形状	Marking 印字	Illuminated 带灯指示	Body color 基座颜色	Actuator color 柄颜色	Current Rating 电流	Light Voltage 灯电压
WR 210 P5N BB - 110	21 ON-OFF 4P	0	P	0 None	N None 不带灯	B Black 黑色	B Black 黑色	- 16A	None
	22 ON-ON 6P	3		1	L Neon 氖灯	A Gray 灰色	R Red 红色	BB 20A	12 12V
	23 ON-OFF-ON 6P			2	E LED	W White 白色	G Green 绿色		110 110V
	24 OFF -(ON) 4P			3			Y Yellow 黄色		220 220V
	25 ON-(OFF) 4P			4			U Blue 蓝色		
	26 (ON)-ON 6P			5			W White 白色		
	27 (ON)-OFF-(ON) 6P			6			O Orange 桔色		
	28 (ON)-OFF-ON 6P			7			T Transparence 透明		
				8					
				9					
				A					
				B					
				C					
				D					
				G					
				F					
				E					

SPECIFICATIONS

Rating	:20A 125VAC (UL) 22A 250VAC (CQC ENEC)
Degree of protection	:IP55
Contact Resistance	:20mΩ(Max)
Insulation Resistance	:DC 500V 100MΩ (Min)
Dielectric Strength	:AC 1500V 1 minute
Operating Force	:500±200gf
Mechanical Life	:50,000cycles
Load Life	:10,000cycles
Operating Temperature	:-40°C~85°C
Safety Approval	



带灯轻触开关

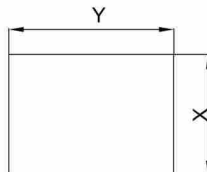
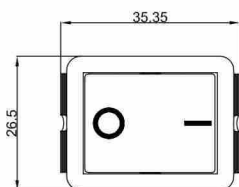
带灯按钮开关

特点

- 最高达30A大电流
- 大防尘、防爆特性
- 电焊机、电暖器、大电流厨房设备专用



LR-210-C5N-BR



CUT-OUT



Z	X	Y
0.70~1.25	22.0~22.2	30.0~30.2
1.25~2.00	22.0~22.2	30.2~30.4
2.00~3.00	22.0~22.2	30.4~30.6

按钮开关

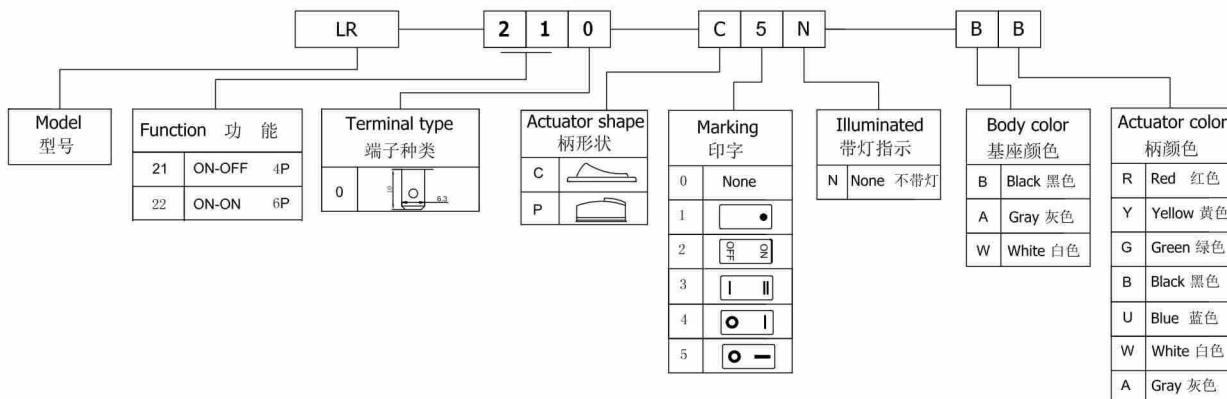
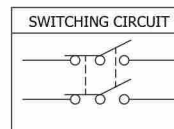
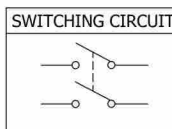
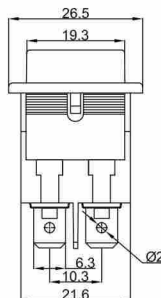
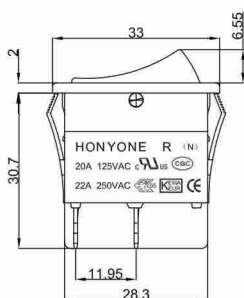
金属按钮开关

翘板开关

保险插座

光电触摸开关

旋转开关



带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险插座

光电触摸开关

旋转开关



PR-210-P5N-BB



PR-210-P0N-BBG



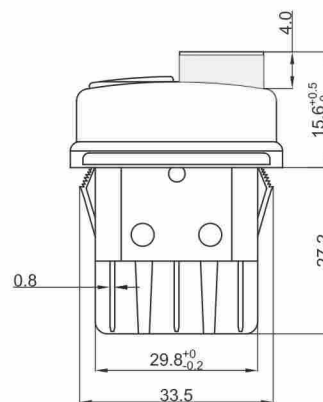
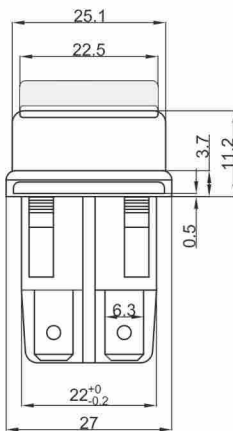
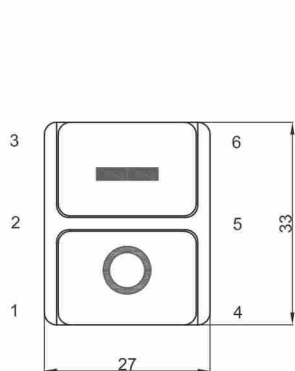
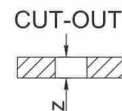
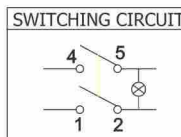
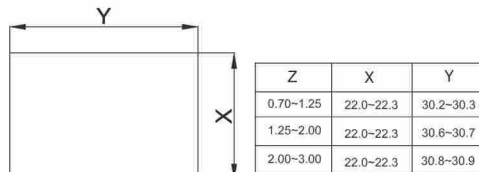
PR-210-D0L-BBR



PR-210-P0N-BBR

SPECIFICATIONS

Rating	:20A 125VAC (UL) 22A 250VAC (CQC ENEC)
Degree of protection	:IP55
Contact Resistance	:20mΩ (Max)
Insulation Resistance	:DC 500V 100MΩ(Min)
Dielectric Strength	:AC 1500V 1 minute
Operating Force	:500±200gf
Mechanical Life	:50,000cycles
Load Life	:10,000 cycles
Operating Temperature	:0°C~85°C
Safety Approval	



PR	2 1 0	C 5 N	B B				
Model 型号	Function 功能	Terminal type 端子种类	Actuator shape 柄形状	Marking 印字	Illuminated 带灯指示	Body color 基座颜色	Actuator color 柄颜色
21	ON-OFF 4P	0	P	0 None	N None 不带灯	B Black 黑色	R Red 红色
22	ON-ON 6P	0	D	1	L Neon 氖灯	A Gray 灰色	Y Yellow 黄色
				2		W White 白色	G Green 绿色
				3			B Black 黑色
				4			U Blue 蓝色
				5			W White 白色
							A Gray 灰色

Honyone

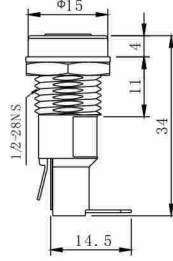
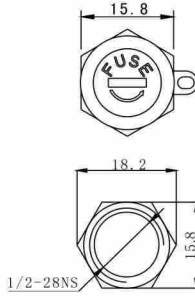


保险丝座
FUSE HOLDER

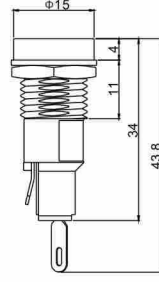
带灯轻触开关



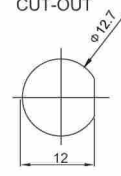
FH10-11-MZ



FH10-11-MW



FH10-11-MZ

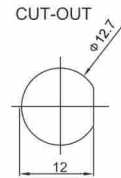
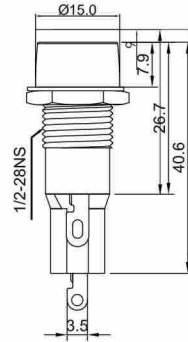


RATIG: 10A 250VAC	
(4.0mm)0.156 Solder	4.5mmMax
FUSE ϕ 5.0*20mm	
NUT 螺母	METAL 金属 PLASTIC 塑胶

带灯按钮开关



FH10-S



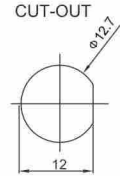
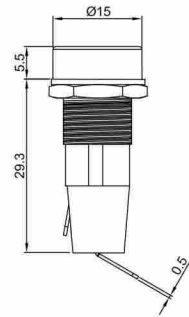
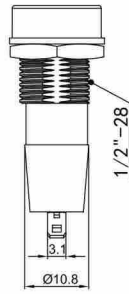
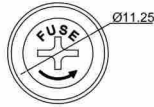
RATIG: 10A 250VAC	
(3.6mm)0.142 Solder	4.5mmMax
FUSE ϕ 5.0*20mm	
NUT 螺母	METAL 金属 PLASTIC 塑胶

按钮开关

金属按钮开关



FH10-520-M



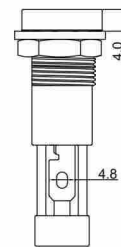
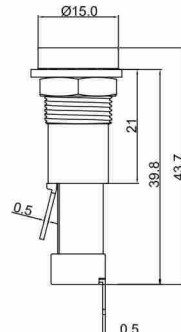
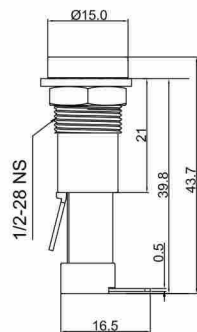
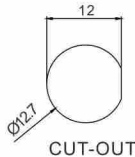
RATIG: 10A 250VAC	
(3.1mm)0.122 Solder	4.5mmMax
FUSE ϕ 5.0*20mm	
NUT 螺母	METAL 金属 PLASTIC 塑胶

翘板开关

保险丝座



FH15-9-PW



RATIG: 15A 250VAC	
(4.8mm)0.187" Solder	4.5mmMax
FUSE ϕ 6.4X30 ϕ 6.35X31.8mm	
NUT 螺母	METAL 金属 PLASTIC 塑胶

光电触摸开关

旋转开关

带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

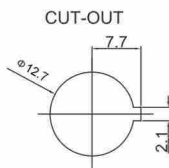
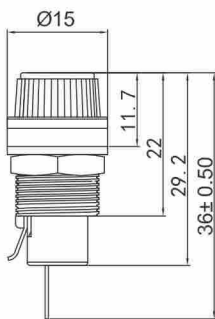
保险丝座

光电触摸开关

旋转开关



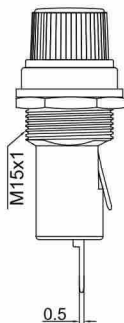
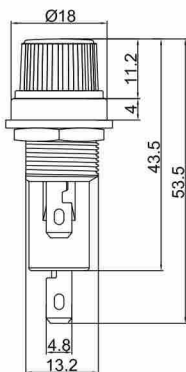
FH10-12



RATIG:	
10A 250VAC	
(4.0mm) 0.156 Solder	4.5mm Max
FUSE	
	Φ 5.0*20mm
NUT 螺母	METAL 金属 PLASTIC 塑胶



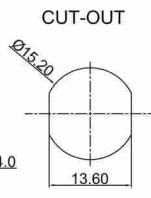
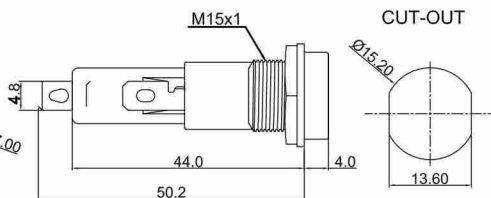
FH15-13



CUT-OUT	
13.5	
RATIG:	
15A 250VAC	
(4.8mm) 0.187" Solder	4.5mm Max
FUSE	
	Φ 6.4X30 Φ 6.35X31.8mm



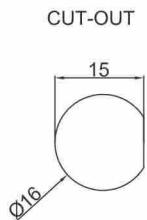
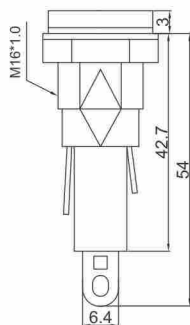
FH15-44A



RATIG:	
15A 250VAC	
(4.8mm) 0.187" Solder	4.5mm Max
FUSE	
	Φ 6.4X30 Φ 6.35X31.8mm



FH15-55B



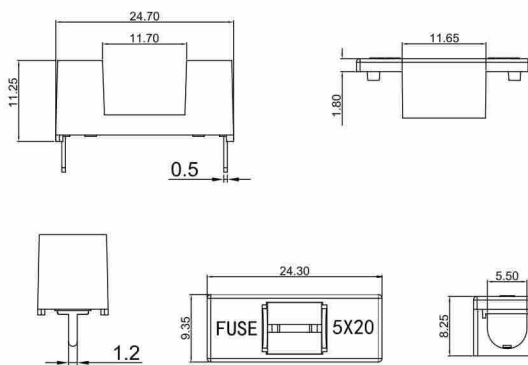
RATIG:	
20A 250VAC	
(6.4mm) 0.252" Solder	4.5mm Max
FUSE	
	Φ 6.4X30

FH10 SERIES FUSE BLOCK

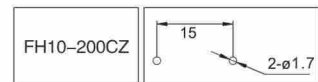
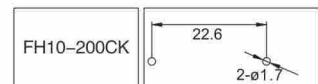
带灯轻触开关



FH10-200C



RATIG:	
10A 250VAC	
FUSE	Φ 5.0*20mm



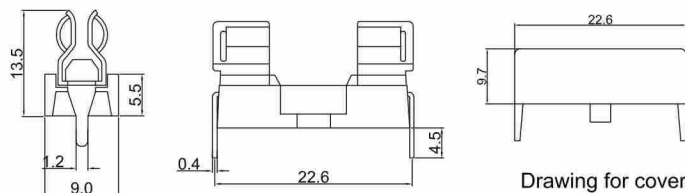
MOUNTING HOLE

带灯按钮开关

按钮开关



FH10-202

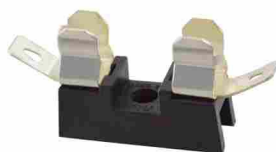


Drawing for cover

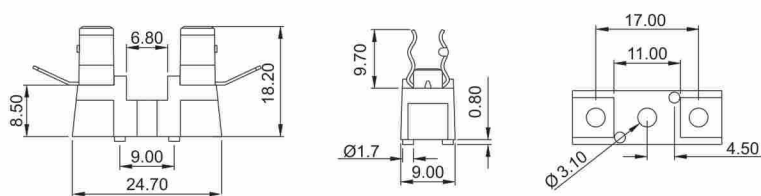
RATIG:	
10A 250VAC	
FUSE	Φ 5.0*20mm

金属按钮开关

翘板开关



FH15-201



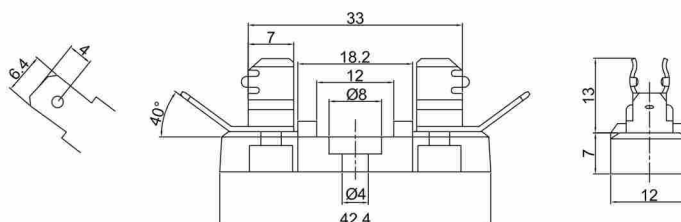
RATIG:	
15A 250VAC	
FUSE	Φ 5.0*20mm

保险丝座

光电触摸开关

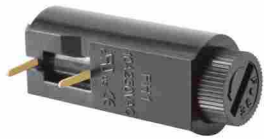


FH15-203

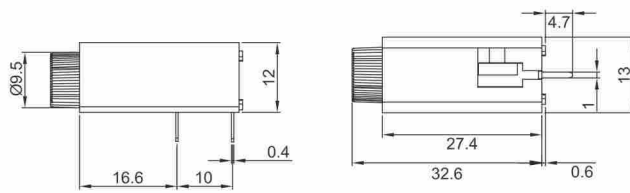


RATIG:	
15A 250VAC	
FUSE	Φ 6.0*30mm

旋转开关



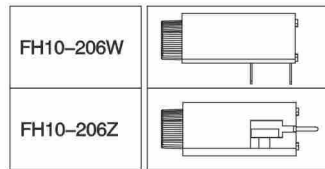
FH10-206W



RATIG:	
10A 250VAC	
FUSE	φ5.0*20mm

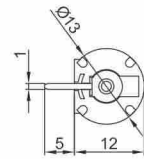
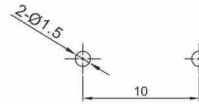


FH10-206Z

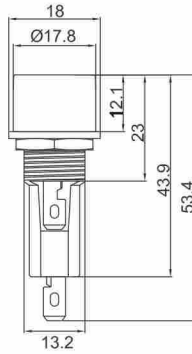


MOUNTING HOLE

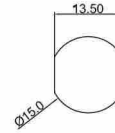
P.C.B.LAYOUT



FH15-22A



CUT-OUT

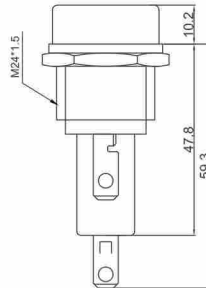


R **U** **U** **S** **CQC** **CE**

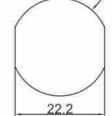
RATIG:	
15A 250VAC	
	(4.8mm) 0.187"
Solder	4.5mm Max
FUSE	φ6.4X30 φ6.35X31.8mm



FH30-41



CUT-OUT

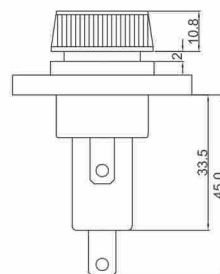
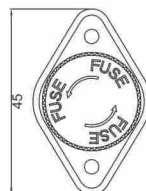


R **U** **U** **S**

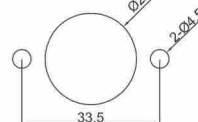
RATIG:	
30A 600VAC	
	(6.4mm) 0.252"
Solder	4.5mm Max
FUSE	φ10.3X38.1mm



FH30-18



CUT-OUT



R **U** **U** **S**

RATIG:	
30A 600VAC	
	(6.4mm) 0.252"
Solder	4.5mm Max
FUSE	φ10.3X38.1mm

带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

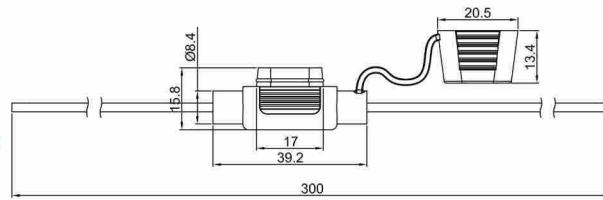
保险丝座

光电触摸开关

旋转开关



CF-01(小型)AST

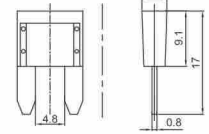


Rated Current : 30A
 Body Material : P.V.C
 UL Wire-AWG/Length : 20# or 18# AWG UL 1015
 Water Resistant Type

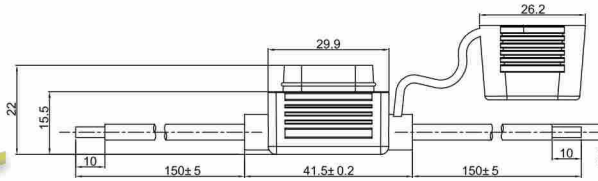


AST FUSE

编号	Wire Length 线长 (mm)	Wire Model 电线型号
B1	100	18AWG
B2	150	20AWG
B3	200	22AWG



CF-02(中型)ATQ

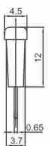
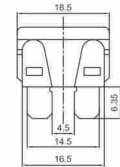


Rated Current : 30A
 Body Material : P.V.C
 UL Wire-AWG/Length : 18# or 16# AWG UL 1015
 Water Resistant Type

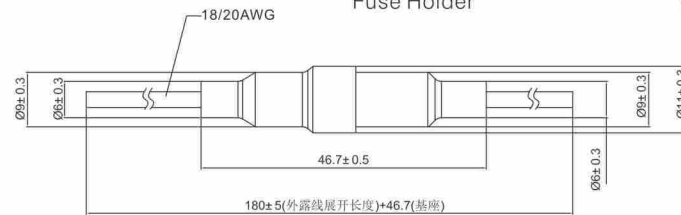
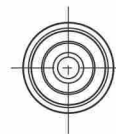


ATQ FUSE

编号	Wire Length 线长 (mm)	Wire Model 电线型号
B1	100	14AWG
B2	150	16AWG
B3	200	18AWG



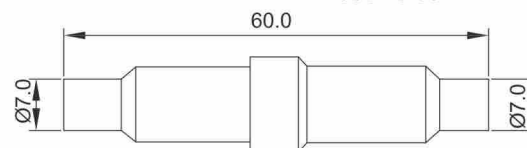
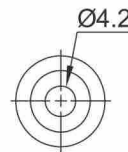
FH10-208(5X20mm)



Rated Current : 10A
 Insulation Resistance At 500VDC : 100MΩ Min
 Contact Resistance : 50mΩ
 Dielectric Strength For 60 Seconds : AC2000V Min.
 Body Material : P.B.T
 UL Wire-AWG/Length : 18# AWG / 8" Loop
 Fuse Holder : For 5x20mm Fuses



FH15-209(6X30mm)



Rated Current : 15A
 Insulation Resistance At 500VDC : 100MΩ Min
 Contact Resistance : 50mΩ
 Dielectric Strength For 60 Seconds : AC2000V Min.
 Body Material : P.B.T
 UL Wire-AWG/Length : 14# AWG / 8" Loop
 Fuse Holder : For 6x30mm Fuses

带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

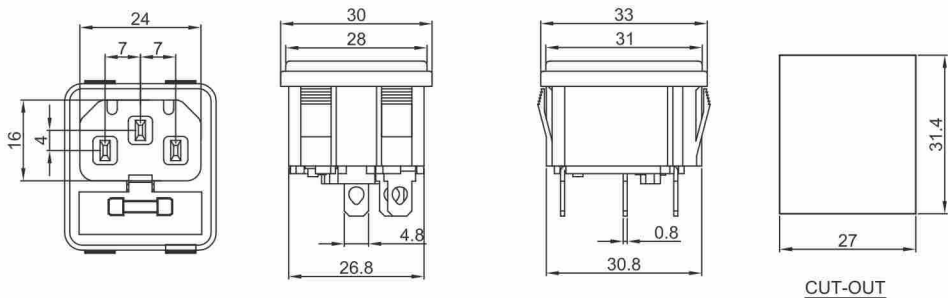
保险插座

光电触摸开关

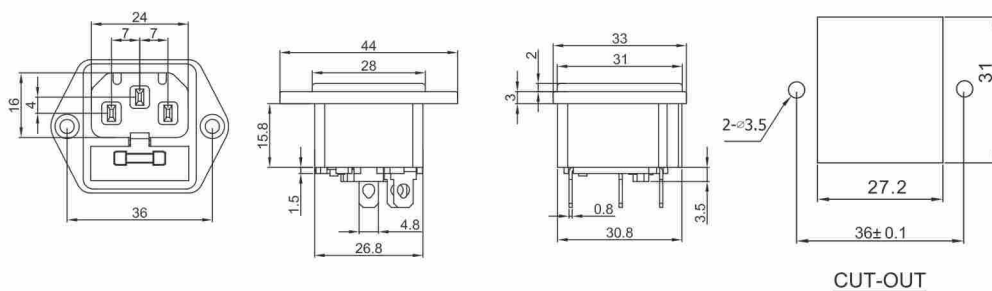
旋转开关



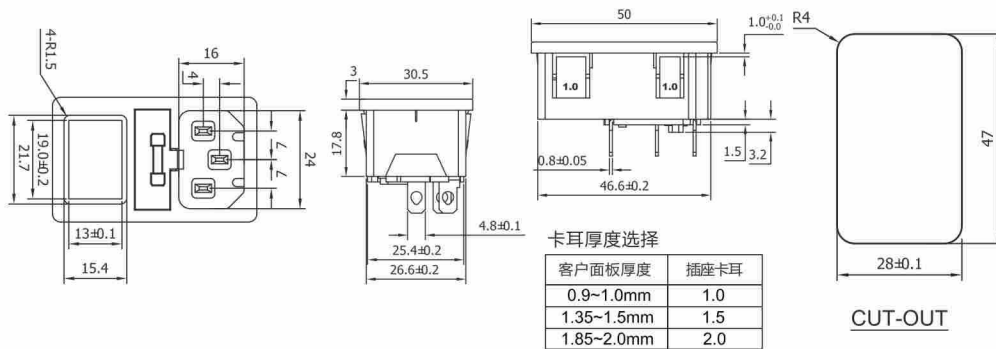
S-03F-12



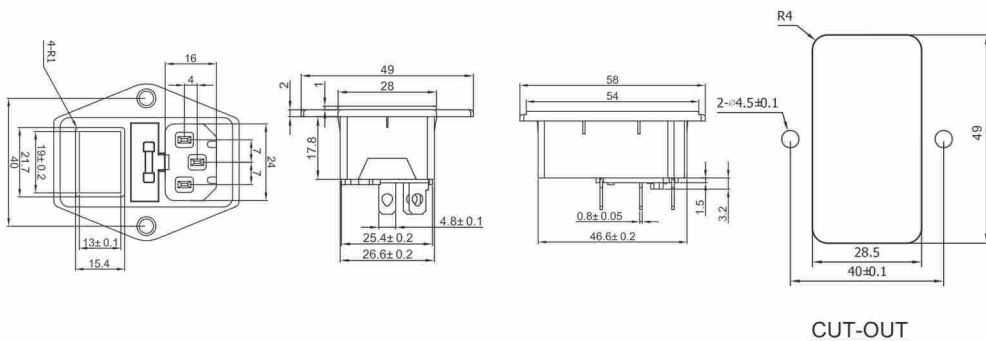
S-03F-11



S-03F-12S-1.0



S-03F-11S



带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

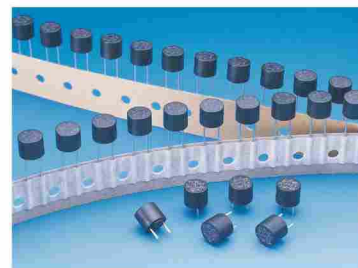
光电触摸开关

旋转开关



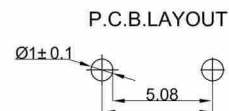
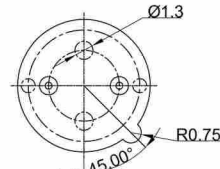
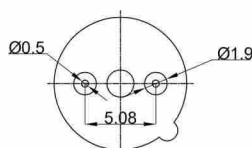
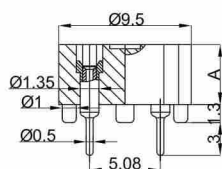
FB-560

Housing : Glass filled polyester UL94-V0
 Insulation Resistance:103MΩ at V=100V
 Temperature Range:-55°C to 125°C
 Contact:Beryllium copper,Heat treated
 Plating:Nickel / Tin
 Max. Current Rating:6.3A
 Contact Resistance: < 4mΩ
 Insertion Force:<200g
 Withdrawal Force: >50g



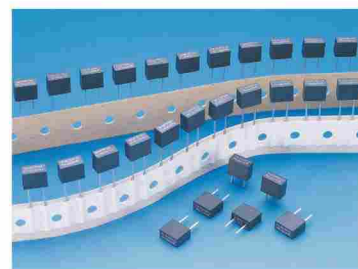
MET FUSE

Dim A	
FB-560A	3.0mm
FB-560B	4.3mm

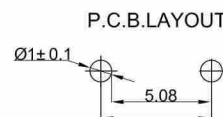
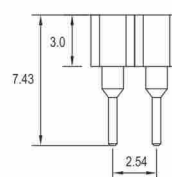
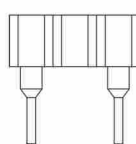
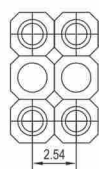
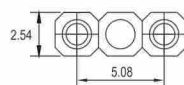


FB-580

Housing : Glass filled polyester UL94-V0
 Insulation Resistance:103MΩ at V=100V
 Temperature Range:-55°C to 125°C
 Contact:Beryllium copper,Heat treated
 Plating:Nickel / Tin
 Current Rating:3A
 Contact Resistance: < 4mΩ
 Insertion Force:<250g
 Withdrawal Force: >50g



MST FUSE

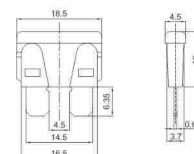
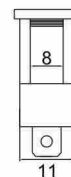
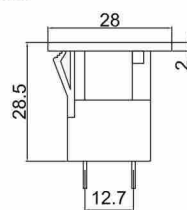
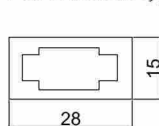


CF-211P

Current Rating :20A
 Insulation Resistance :100MΩ Min
 Contact Resistance :5mΩ
 Dielectric Strength For 60s :AC1500V Min
 Body Material :Nylon,Thermo Plastic
 Snap-In Type
 For ATQ Blade Type Fuse



ATQ FUSE



Honyone



应用领域：

- ◎ 家电产品抽油烟机面板
- ◎ 家庭墙壁面板开关，可视门铃，浴室设备
- ◎ 电梯操作面板，酒店门禁系统
- ◎ 医疗设备，制药设备，食品加工设备
- ◎ 汽车电子

光电触摸开关

PHOTOELECTRIC TOUCH SWITCHES

带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险插座

光电触摸开关

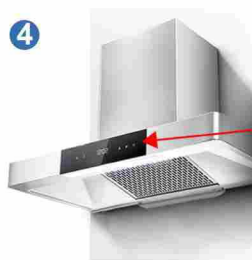
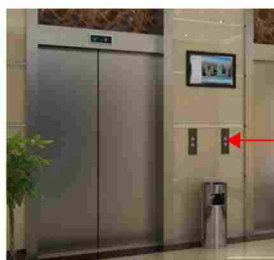
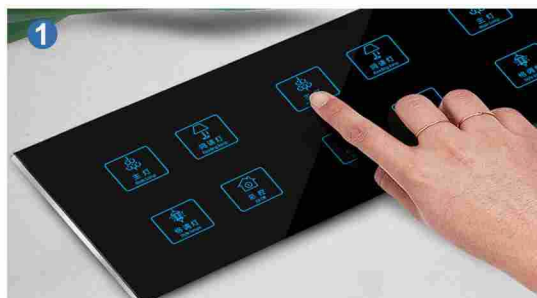
旋转开关

应用领域 Main Applications



墙壁触摸开关

- ① 酒店门牌
- ② 床头柜电器控制面板



- ③ 电梯门禁系统
- ④ 抽油烟机面板

- ⑤ 功夫茶电磁炉
- ⑥ 医疗设备



- ⑦ 金属触摸门禁机
- ⑧ 制药设备

光电触摸开关特点

Photoelectric Touch Switch Features

- ◆ 光电开关原理，触摸感应，无需压力行程
- ◆ 性能优于电阻屏，电容屏，不限触控媒介
- ◆ 不受外界强磁场，强光线影响，抗干扰能力强
- ◆ 开关本体可做成金属，玻璃，大理石等材质
- ◆ 面板标志可定制，任意形状或者LOGO
- ◆ 防水IP68、防油污，防暴等级IK20(金属外壳)
- ◆ 宽输入电压(5-28V)、高输出电流可达3A
- ◆ 指示灯可以双色显示，或RGB三色显示
- ◆ 常态亮灯，易于识别发现，启动显示另一种颜色
- ◆ 触摸体可以为手指,导电金属,绝缘体等,(透明除外)
- ◆ 可应用于食品加工,医疗设备,可以带手套进行操作
- ◆ 灵敏度高，可调节，可调制延时功能
- ◆ 长寿命，最多可达2亿次以上

关于光电触摸开关

About Touch Switches

常规电子机械开关,由于自身零部件的移动,会产生以下问题:(1.电子部件会产生不可避免的磨损;2.环境中的灰尘和油污,水分会由于开关部件的运动而进入开关内部,污染到开关的触点。)从而缩短或影响到电子开关的可靠性和使用寿命。光电触摸开关由于本身没有移动部件,从而解决了以上问题。

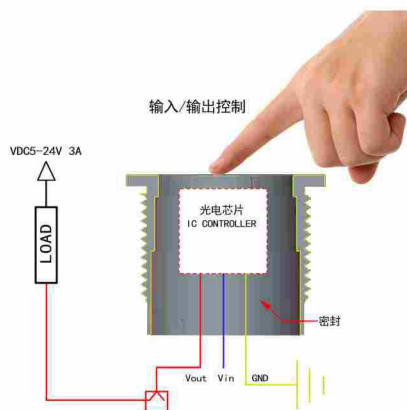
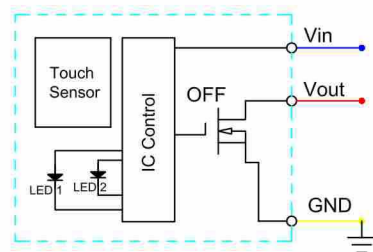
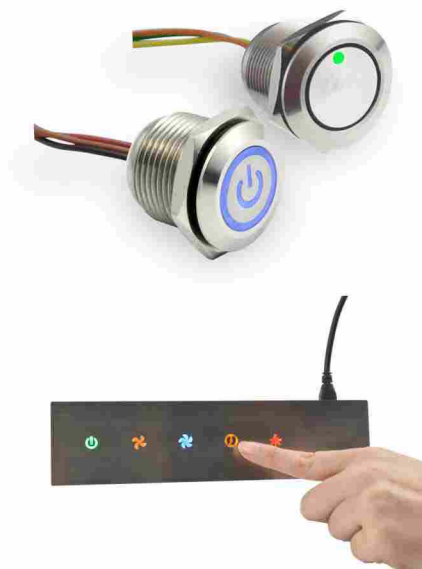
光电触摸开关工作原理

How a Touch Switch Works

当手指触摸在开关的表面，使光电开关的发射端与接收端之间发生信号改变从而触发控制芯片输出信号VCC。开关的启动与否通过LED指示灯或蜂鸣器或震动器来表示，常态是一种颜色触发时变成另一种颜色，从而控制设备的启动与关闭。

SPECIFICATIONS

Rating	
输入电压	:Vin5~28V
输出电压	:Vout等于输入电压V
最大输出电流	:I max 3A
工作电流	:IOPR 15 mA
操作温度	:TOPR-25-85°C
存储温度	:TSTG-35-85°C
焊接温度	:TLSD 260



带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

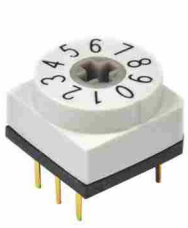
光电触摸开关

旋转开关

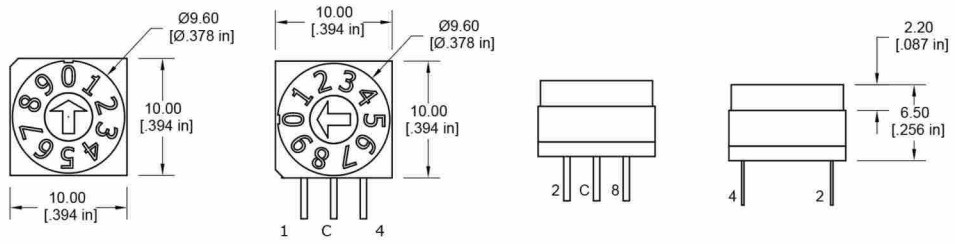
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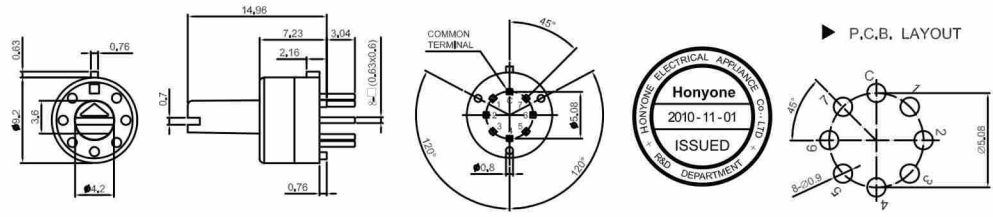
旋转开关
ROTARY SWITCHES



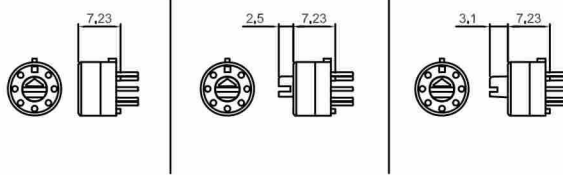
RS 10



RS 9



▶ OTHER ACTUATOR TYPE

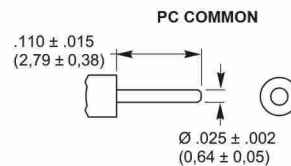
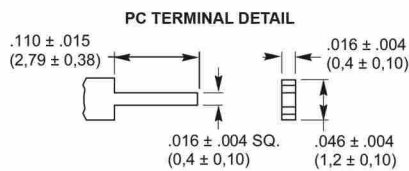
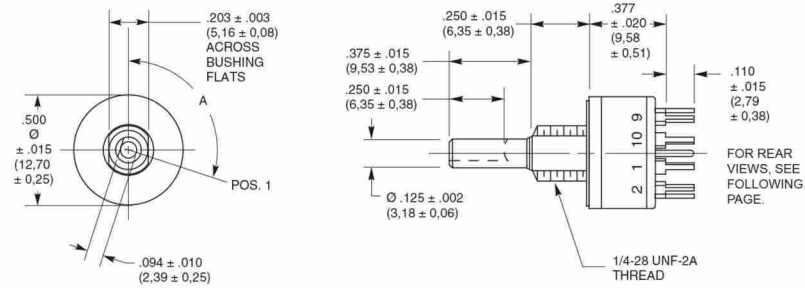


▶ SCHEMATIC

TRAVEL	POSITION
0°	C + C (OFF)
45°	C + 1
90°	C + 2
135°	C + 3
180°	C + 4
225°	C + 5
270°	C + 6
315°	C + 7



RS 12



带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关

带灯轻触开关

带灯按钮开关

按钮开关

金属按钮开关

翘板开关

保险丝座

光电触摸开关

旋转开关



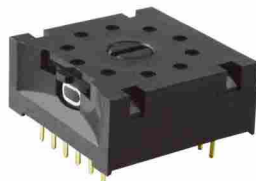
RS22-10-01-G-H

SPECIFICATIONS

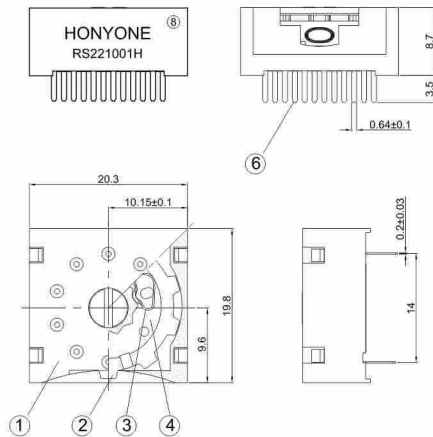
Circuit	:SPST
Current rating	:3A
Voltage rating	:28VDC
Maximum breaking current	:125mA (28VDC)
Minimum operating current	:10 μ A (5VDC)
Dielectric withstanding voltage	:500VAC for 1 minute
Contact resistance	:100m Ω Max. (Initial) :200m Ω Max. (Final)
Insulation resistance	:1000M Ω Min.
Operating force	:39.2mN·m Max.
Life Test:	:100,000 cycles Min
Solder specifications	:260°C for 5 seconds
Operating temperature	:-25°C ~ +70°C

MATERIAL:

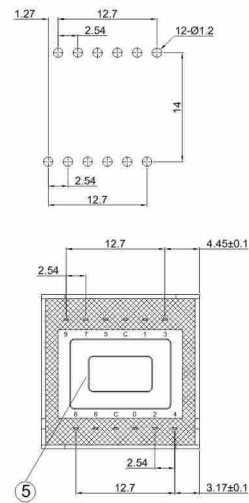
Base : PA66+GF,UL rated:94 v-2 Min;
Cap: PA66+GF;
Terminal: Copper alloy,Gold plated;



RS22-10-01-G-H

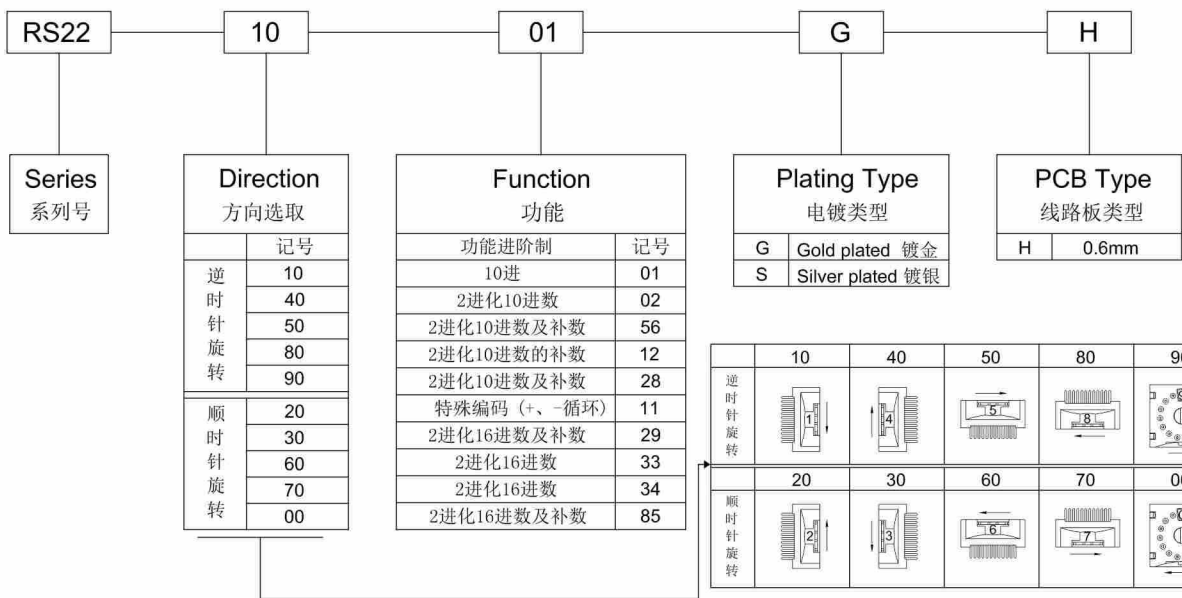


P.C.B. LAYOUT



CIRCUIT

		10 进									
		功能脚端子序号队列排布									
回	表	0	1	2	3	4	5	6	7	8	9
转	示										
方	C	●									
向	2		●								
	W			●							
	反				●						
	时					●					
	针						●				
	方							●			
	向								●		
	7									●	
	8										●
	9										





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