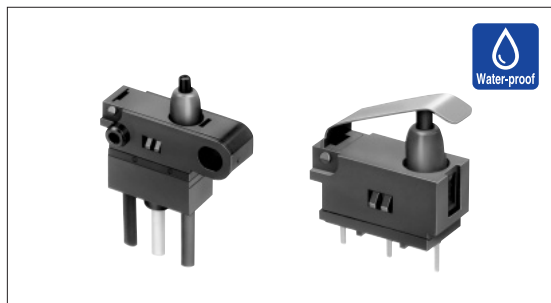


带防水功能的3mm的长行程型。



主要规格

项目	规格
最大额定/最小额定(电阻负荷)	0.1A 12V DC/50 μ A 3V DC
接触电阻(初期/寿命后)	500m Ω max./1 Ω max.
作用力	Push type
	Actuator type
	2N max. 5.9N max.
动作寿命	无负载
	负载
	300,000cycles 300,000cycles(0.1A 12V DC)

检测

按动

滑动

旋转

编码器

电源

切换式

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产品

产品一览

回路数	接点数	切换时限	操作部形状	端子形状	主机形状	最小订货单位(pcs.)	产品编号	图号
1	2	Non shorting	Push	For PC board	常规	2,400	SPVQ140100	1
					右突起		SPVQ140200	5
					左突起		SPVQ140300	6
					双突起		SPVQ140400	7
					常规		SPVQ130200	1
					右突起		SPVQ130400	5
					左突起		SPVQ130500	6
					双突起		SPVQ130600	7
			Actuator A	带金属丝	常规	SPVQ130300	1	
					右突起	SPVQ130700	5	
					左突起	SPVQ130800	6	
					双突起	SPVQ130900	7	
			Actuator B	带金属丝	带螺丝孔	SPVQ120500※	2	
					右突起	SPVQ120600※	8	
					左突起	SPVQ120700※	9	
					双突起	SPVQ120800※	10	
			Push	带金属丝	带螺丝孔	SPVQ111200※	3	
					右突起	SPVQ111400※	8	
					左突起	SPVQ111500※	9	
					双突起	SPVQ111600※	10	
带螺丝孔	SPVQ111700※	4						
右突起	SPVQ111800※	8						
左突起	SPVQ111900※	9						
双突起	SPVQ112000※	10						

包装规格

散装

产品编号	包装数 (pcs.)		出口包装箱尺寸 (mm)
	1箱/日本	1箱/出口包装	
SPVQ130200, SPVQ130300, SPVQ130400, SPVQ130500, SPVQ130600, SPVQ130700, SPVQ130800, SPVQ130900, SPVQ140100, SPVQ140200, SPVQ140300, SPVQ140400	600	2,400	540×360×230
SPVQ111200, SPVQ111700, SPVQ120500	180	720	555×375×223
SPVQ111400, SPVQ111500, SPVQ111600, SPVQ111800, SPVQ111900, SPVQ112000, SPVQ120600, SPVQ120700, SPVQ120800	100	400	540×360×230



车用产品

注

- ※ 导线长250mm。如需要改变长度，请个别咨询。
- 本产品不能在水中使用。
- 请以最小订购单位的N(整数)倍来订货。

外形图

Unit:mm

检测

按动

滑动

旋转

编码器

电源

切换式

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No.	形状	操作部形状
1	<p>Technical drawing of SPVQ1 series switch No. 1. Dimensions include: 3.5, $\phi 1.6$, 8, 10.65, 12.95, 13.65, 0.6, 3-0.6, 5, 5, 6.4, 13.3. Terminal locations are marked as Terminal No. ①, Terminal No. ②, and Terminal No. ③. Labels include "ON初始位置" and "全行程位置".</p>	<p>Operational diagrams for No. 1 switch. "Push" diagram shows dimensions: 10.65, 12.95, 13.65, and "ON初始位置", "全行程位置". "Actuator A" diagram shows dimensions: 5.8, 11.7, 14.3, 15, and "ON初始位置", "全行程位置". "Actuator B" diagram shows dimensions: 10.7, 13.5, 14.5, and "ON初始位置", "全行程位置".</p>
2	<p>Technical drawing of SPVQ1 series switch No. 2. Dimensions include: 7.5, $\phi 1.6$, 8.5, 2.9, 1.8, 11.6, 12.6, 0.7, 3.1, 6.15, 8.45, 9.15, 8.4, 5.8, 2-3, 2-0.3. Terminal locations are marked as Terminal No. ①, Terminal No. ②, and Terminal No. ③. Labels include "ON初始位置" and "全行程位置".</p>	<p>Operational diagram for No. 2 switch. Dimensions include: 8.4, 5.8, 2-3, 2-0.3.</p>
3	<p>Technical drawing of SPVQ1 series switch No. 3. Dimensions include: 7.5, $\phi 1.6$, 8.5, 2.9, 1.8, 11.6, 12.6, 0.7, 3.1, 7.2, 9.8, 10.5, 8.4, 5.8, 3.8, 2-3, 2-0.3. Terminal locations are marked as Terminal No. ①, Terminal No. ②, and Terminal No. ③. Labels include "ON初始位置" and "全行程位置".</p>	<p>Operational diagram for No. 3 switch. Dimensions include: 8.4, 5.8, 3.8, 2-3, 2-0.3.</p>



车用产品

外形图

Unit:mm

No.	形状	操作部形状
4	<p>Technical drawing of SPVQ1 series switch No. 4. It includes a side view and a front view. Dimensions include 7.5, $\phi 1.6$, 8.4, 5.8, 4, 2-3, 2-C0.2, 10, 9, 6.2, 0.7, 3.1, 11.6, 12.6, 3.5, 8.5, 2.9, 1.8, 1.5, and 0.7. Labels include "ON初始位置" (ON initial position) and "全行程位置" (Full stroke position). Terminals are labeled Terminal No. ①, Terminal No. ②, and Terminal No. ③.</p>	
5	<p>Technical drawing of SPVQ1 series switch No. 5. It includes a side view and a front view. Dimensions include 5.8, 5, 3.5, 0.4, 9.15, 8.45, 6.15, 3.5, 7.5, 2.6, 0.4, 2.6, 4.5, 2.6, 8, 3-0.6, 5, 5, 10.4, 2.9, and 0.4. Labels include "ON初始位置" (ON initial position) and "全行程位置" (Full stroke position). Terminals are labeled Terminal No. ①, Terminal No. ②, and Terminal No. ③.</p>	<p>操作部形状</p> <p>Push</p> <p>Diagram of the push actuator for switch No. 5. Dimensions include 6.15, 8.45, and 9.15. Labels include "全行程位置" (Full stroke position) and "ON初始位置" (ON initial position).</p>
6	<p>Technical drawing of SPVQ1 series switch No. 6. It includes a side view and a front view. Dimensions include 7.5, $\phi 1.6$, 5.8, 2.6, 0.4, 2.6, 0.4, 3.5, 6.15, 8.45, 9.15, 2.6, 4.5, 2.6, 8, 3-0.6, 5, 5, 10.4, 2.9, and 0.4. Labels include "全行程位置" (Full stroke position) and "ON初始位置" (ON initial position). Terminals are labeled Terminal No. ①, Terminal No. ②, and Terminal No. ③.</p>	<p>Actuator A</p> <p>Diagram of the Actuator A for switch No. 6. Dimensions include 7.2, 9.8, and 10.5. Labels include "全行程位置" (Full stroke position) and "ON初始位置" (ON initial position).</p>
7	<p>Technical drawing of SPVQ1 series switch No. 7. It includes a side view and a front view. Dimensions include 8, 7.5, $\phi 1.6$, 5.8, 2.6, 0.4, 2.6, 0.4, 3.5, 6.15, 8.45, 9.15, 2.6, 4.5, 2.6, 8, 3-0.6, 5, 5, 10.4, 2.9, and 0.4. Labels include "全行程位置" (Full stroke position) and "ON初始位置" (ON initial position). Terminals are labeled Terminal No. ①, Terminal No. ②, and Terminal No. ③.</p>	<p>Actuator B</p> <p>Diagram of the Actuator B for switch No. 7. Dimensions include 6.2, 9, and 10. Labels include "全行程位置" (Full stroke position) and "ON初始位置" (ON initial position).</p>

检测

按动

滑动

旋转

编码器

电源

切换式

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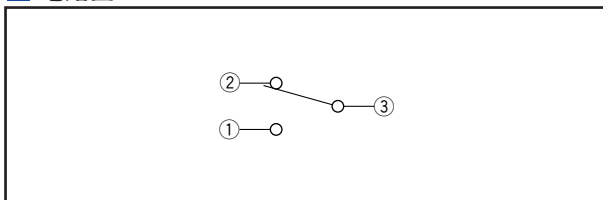
车用产品

外形图

Unit:mm

No.	形状	操作部形状
8	<p>Technical drawing of model 8 showing dimensions: 5.8, 5, 3.5, 8, 7.5, 8, 9.15, 8.45, 6.15, 2.6, 0.4, 0.4, 2.6, 2.9, 8.5, 3.5, 10.4, 11.6, 1.8, 1.5. Labels include ON初始位置, 全冲程位置, Terminal No.①, Terminal No.②, Terminal No.③, and C0.3 C0.3.</p>	<p>Push</p> <p>Operational drawing of model 8 showing actuator movement with labels: 全行程位置, ON初始位置, 6.15, 8.45, 9.15.</p>
9	<p>Technical drawing of model 9 showing dimensions: 8, 7.5, 8, 9.15, 8.45, 6.15, 2.6, 0.4, 0.4, 2.6, 2.9, 8.5, 3.5, 10.4, 11.6, 1.8, 1.5, 5.8, 3.5. Labels include ON初始位置, 全冲程位置, Terminal No.①, Terminal No.②, Terminal No.③, and C0.3 C0.3.</p>	<p>Actuator A</p> <p>Operational drawing of model 9 showing Actuator A movement with labels: 全行程位置, ON初始位置, 7.2, 9.8, 10.5.</p>
10	<p>Technical drawing of model 10 showing dimensions: 8, 7.5, 8, 9.15, 8.45, 6.15, 2.6, 0.4, 0.4, 2.6, 2.9, 8.5, 3.5, 10.4, 11.6, 1.8, 1.5, 5.8, 3.5. Labels include ON初始位置, 全冲程位置, Terminal No.①, Terminal No.②, Terminal No.③, and C0.3 C0.3.</p>	<p>Actuator B</p> <p>Operational drawing of model 10 showing Actuator B movement with labels: 全行程位置, ON初始位置, 6.2, 9, 10.</p>

电路图



检测

按动

滑动

旋转

编码器

电源

切换式



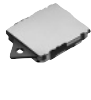











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特别定做产品



车用产品

产品系列一览(通用型/防水型/电话机挂筒型)

系列	通用型					防水型		
	SPVT	SPVG	SPVL	SSCW	SPVQ5	SPVQ1	SPVQ3	
照片								
动作形式								
使用温度范围	-40°C to +85°C							
车用产品	●	●	●	●	●	●	●	
最大额定 (电阻负荷)	1mA 5V DC	50mA 20V DC	1mA 5V DC	0.1A 12V DC				
最小额定 (电阻负载)	100μA 3V DC		50μA 3V DC	100μA 3V DC	50μA 3V DC		50μA 3V DC or 1mA 5V DC	
电性能	初期接触电阻	2Ω max.	500mΩ max.	2Ω max.	500mΩ max.			
	绝缘电阻	100MΩ min. 100V DC			100MΩ min. 250V DC	100MΩ min. 500V DC		
	耐电压	100V AC for 1 minute			250V AC for 1 minute	500V AC for 1 minute		
机械性能	端子强度	0.5N for 1 minute		1N for 1 minute	3N for 1 minute Wire strength 30N for 1minute			
	操作部 强度	10N		5N	20N			
耐久性	无负载 寿命	100,000cycles 5Ω max.	100,000cycles 1Ω max.	50,000cycles 5Ω max.	100,000cycles 1Ω max.	300,000cycles 1Ω max.	300,000cycles or 1,200,000cycles 1Ω max.	
	负载 寿命	(1mA 5V DC) 100,000cycles 5Ω max.	(50mA 20V DC) 100,000cycles 1Ω max.	(1mA 5V DC) 50,000cycles 5Ω max.	(0.1A 12V DC) 100,000cycles 1Ω max.	(0.1A 12V DC) 300,000cycles 1Ω max.	(0.1A 12V DC)(适于车载) 300,000cycles or 1,200,000cycles 1Ω max.	
耐环境 性能	耐寒 性能	-40±2°C for 96h	-40±2°C for 500h					
	耐热 性能	85±2°C for 96h	85±2°C for 500h					
	耐湿 性能	40±2°C, 90 to 95%RH for 96h	60±2°C, 90 to 95%RH for 500h					
外形尺寸 (mm)	W	5.6	5.5	5.55	13.1	13.8	13.3	13
	D	6.5	6.5	6.6	11.35	5.8		
	H	1.9	2	1	5.3	5.8	8	8.35
焊接 方法	手工焊接	350±5°C, 3s max.			300±10°C, 3 ⁺¹ 0s			
	浸焊	260±5°C, 5±1s			260±5°C, 5±1s			
	回流焊接	请参照 P.102						
回路数	1							
动作力	0.4N max.		0.35N max.	1N max.	2N max.	2N max. 5.9N max.	3N max.	
页	71	74	79	80	81	82	86	

- 检测开关焊接条件 102
- 使用检测开关时的注意事项 103

检测

按动

滑动

旋转

编码器

电源

切换式

TACT Switch™

特别定做
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