

## ROCKER SWITCH

### 波形スイッチ

SF SERIES



### SAMPLE PRODUCT CODE

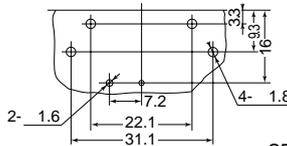
<b>SF</b>	<b>-</b>	<b>W</b>	<b>1</b>	<b>P</b>	<b>1</b>	<b>A</b>	<b>-</b>	<b>0</b>	<b>1</b>	<b>B</b>	<b>B</b>
series		Actuator Type	Circuit	Terminal Type	Rating	Approval		Marking Color	Marking Type	Rocker Color	Body Color
		W=Rocker	1=SPST 2=SPDT	O=Faston #187(t0.5) P=Right Angle P.C. R=Right Angle P.C. Reverse S=Straight P.C. H=Solder	1=AC 125V 5A AC 250V 3A 5(3)/250 ~ T85 3(2)/250 ~ 5E4 T85 3/50A 250V ~	A=  		0=White 1=Red 2=Black 3=Non	ON OFF 0= 1= 3= 7=	B=Black R=Red W=White G=Gray	B=Black W=White G=Gray

- 50A Inrush current available. • インラッシュ電流 50A
- The above switches (button and casing) can be modified according to your color and marking specifications.
- 上記以外のつまみ及びケースの色調やマーキングをご希望の方はロット注文により御相談に応じます。

ILLUSTRATIONS	DIMENSIONS	MODEL NO.	Marking Color	Marking Type	Rocker Color	Body... Color
<b>FASTON TERMINAL TYPE(with lead wiring)</b> <b>SF-W101A-30BB</b> 		<b>SPST</b>	SF-W101A-30BB	3 (Non:無)	0 	B B (Black:黒)(Black:黒)
			SF-W101A-01BB	0 (White:白)	1 	B B (Black:黒)(Black:黒)
<b>SF-W201A-01BB</b> 		<b>SPDT</b>	SF-W201A-30BB	3 (Non:無)	0 	B B (Black:黒)(Black:黒)
			SF-W201A-01BB	0 (White:白)	1 	B B (Black:黒)(Black:黒)
			SF-W201A-03BB	0 (White:白)	3 	B B (Black:黒)(Black:黒)
<b>RIGHT ANGLE P.C. TYPE</b> <b>SF-W1P1A-01BB</b> 		<b>SPST</b>	SF-W1P1A-30BB	3 (Non:無)	0 	B B (Black:黒)(Black:黒)
			SF-W1P1A-01BB	0 (White:白)	1 	B B (Black:黒)(Black:黒)
<b>SF-W2P1A-30BB</b> <b>SF-W1P1A-30BBM</b> with metal frame 		<b>SPDT</b>	SF-W2P1A-30BB	3 (Non:無)	0 	B B (Black:黒)(Black:黒)
			SF-W2P1A-01BB	0 (White:白)	1 	B B (Black:黒)(Black:黒)
		<b>with metal frame</b>	SF-W1P1A-03BBM*	0 (White:白)	3 	B B (Black:黒)(Black:黒)

Reference Panel Mounting  
取付穴参考寸法

( See from behind )  
(ハンダ付け面側より見る)



\* M equals with metal frame  
\* Mはメタルフレーム付

SPDT Type also available  
SPDTタイプもごさいます。

Contact Resistance : 20m Ω or less at 4-terminal method 100mA DC.  
 Insulation Resistance : 500M Ω or more at 500V DC.  
 Dielectric Withstanding Voltage : One minute at 2000V AC.  
 接触抵抗 : 4端子測定法DC 100mAに於て、20m Ω以下のこと。  
 絶縁抵抗 : DC 500Vに於て、500M Ω以上のこと。  
 耐電圧 : AC 2000Vに於て、1分間異常のないこと。

### Rating and Safety standard approval 定格、安全規格認可表

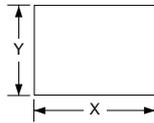
Safety Standard Approval No. 各国規格取得 No.	電気用品取締法対象外 (資源エネルギー庁・公益事業部1988年2月3日付の通達により3月1日以降甲種電気用品非対象製品になりました。)		
	250V 3A 機器用 125V 5A 機器用	AC 250V 3A AC 125V 5A	ÖVE REG. No. 5726-059-03 SEMKO REG. No. 9830131 KEMA REG. No. 99.5530 SEV REG. No. 99.7 70591 VDE REG. No. 123062 FIMKO REG. No. 12473 DEMKO REG. No. DK99-00118 NEMKO REG. No. P99100116
Rating 定格			5(3)/250 ~ T85 3(2)250 ~ 5E4 T85 3/50A 250 ~

### Example for

3 (2) / 250 ~ 5E4 T85	
Rared Current for Resistor Load	抵抗負荷電流定格
Rared Current for Motor Load	モーター負荷電流定格
Voltage	定格電圧
AC	交流
Frequent operation	切換え頻度の高いスイッチ
Temperature limit	使用温度限界

### Size of Mounting Hole 取付穴参考寸法

Thickness of mounting board 取付板板厚	X	Y
0.75 ~ 1.25	19.2 <sup>0</sup> <sub>-0.1</sub>	12.9 <sup>+0.1</sup> <sub>0</sub>
1.25 ~ 2.00	19.4 <sup>0</sup> <sub>-0.1</sub>	12.9 <sup>+0.1</sup> <sub>0</sub>



### ILLUSTRATIONS

### DIMENSIONS

### MODEL NO.

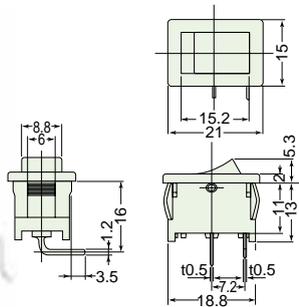
### Marking Color

### Marking Type

### Rocker Color

### Body... Color

### RIGHT ANGLE P.C. REVERSE TYPE SF-W1R1A-01BB

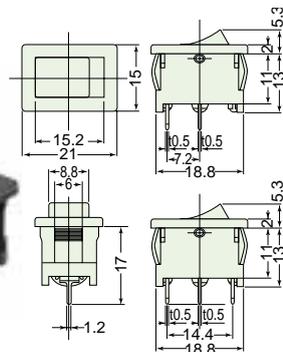


SF-W1R1A-01BB	0	1	B	B
	(White:白)	□ (Black:黒)	(Black:黒)	(Black:黒)
SF-W1R1A-03BB	0	1	B	B
	(White:白)	□ (Black:黒)	(Black:黒)	(Black:黒)

M = With Metal Frame  
 Mはメタルフレーム付

### SF-W1R1A-01BBM

### ATRAIGHT P.C. TYPE SF-W1S1A-30BB



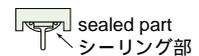
### SPST

SF-W1S1A-30BB	3 (Non:無)	0	B	B
		□ (Black:黒)	(Black:黒)	(Black:黒)
SF-W1S1A-01BB	0	1	B	B
	(White:白)	□ (Black:黒)	(Black:黒)	(Black:黒)
SF-W1S1A-01BBS*	0	1	B	B
	(White:白)	□ (Black:黒)	(Black:黒)	(Black:黒)

### SPDT

SF-W2S1A-30BB	3 (Non:無)	0	B	B
		□ (Black:黒)	(Black:黒)	(Black:黒)
SF-W2S1A-01BB	0	1	B	B
	(White:白)	□ (Black:黒)	(Black:黒)	(Black:黒)

\* S type for "sealed" (to prevent flux rise)  
 Sはシーリング対策品



### SF-W2S1A-01BB

### SAMPLE PRODUCT CODE

<b>SJ</b>	<b>- W</b>	<b>2</b>	<b>F</b>	<b>4</b>	<b>A</b>	<b>- 0</b>	<b>1</b>	<b>B</b>	<b>B</b>
series	Actuator Type	Circuit	Terminal Type	Rating	Approval	Marking Color	Marking Type	Rocker Color	Body Color
	W=Rocker	2=D.P.S.T.	F=Faston #187(t0.8) H=Lead Wiring P=Right Angle P.C. R=Right Angle P.C. Reverse S=Straight P.C.	4=AC 250V 10A 10(4)/250 ~ T85 10/80A 250V ~	A=	0=White 1=Red 2=Black 3=Non	ON OFF 0= 1= 3= 7=	B=Black R=Red W=White G=Gray	B=Black W=White G=Gray

- 100A Inrush current available. • インラッシュ電流 100A( AC100V時)
- The above switches (button and casing) can be modified according to your color and marking specifications.
- 上記以外のつまみ及びケースの色調やマーキングをご希望の方はロット注文により御相談に応じます。

ILLUSTRATIONS	DIMENSIONS	MODEL NO.	Marking Color	Marking Type	Rocker Color	Body.. Color
<b>FASTON/LEAD WIRING TYPE</b> <b>SJ-W2F4A-30BB</b> 	 (SJ-W2H4A-)	SJ-W2F4A-30BB	3 (Non:無)	0 	B (Black:黒)	B (Black:黒)
		SJ-W2F4A-01BB	0 (White:白)	1 	B (Black:黒)	B (Black:黒)
		SJ-W2H4A-30BB	3 (Non:無)	0 	B (Black:黒)	B (Black:黒)
<b>RIGHT ANGLE P.C. TYPE</b> <b>SJ-W2P4A-01BB</b> 		SJ-W2P4A-30BB	3 (Non:無)	0 	B (Black:黒)	B (Black:黒)
		SJ-W2S4A-30BB	3 (Non:無)	0 	B (Black:黒)	B (Black:黒)
<b>STRAIGHT P.C. TYPE</b> <b>SJ-W2S4A-30BB</b> 	 (SJ-W2S4A)	SJ-W2S4A-30BB	3 (Non:無)	0 	B (Black:黒)	B (Black:黒)
		SJ-W2S4A-07BB	0 (White:白)	7 	B (Black:黒)	B (Black:黒)

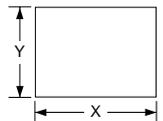
リバースタイプはON-OFF方向が逆になります。

#### Rating and Safety standard approval 定格、安全規格認可表

Safety Standard Approval No.	電気用品取締法対策外 (資源エネルギー庁・公益事業部1988年2月3日付の通達により3月1日以降甲種電気用品非対象製品になりました。)	CSA file No.LR51878 UL File No.E77920	OVE REG. No. 5726-074-00 SEMKO REG. No. 9830132 KEMA REG. No. 99.5530 SEV REG. No. 99.7 70594 VDE REG. No. 126015 FIMKO REG. No. 12465 DEMKO REG. No. DK99-00097 NEMKO REG. No. P99100115
Rating 定格	250V 10A 機器用	AC 250V 10A	10(4)/250 ~ T85 10/80 A250V ~

#### Size of Mounting Hole 取付穴参考寸法

Thickness of mounting board 取付板板厚	X	Y
0.75 ~ 1.25	19.2 <sup>0</sup> / <sub>-0.1</sub>	12.9 <sup>+0.1</sup> / <sub>0</sub>
1.25 ~ 2.00	19.4 <sup>0</sup> / <sub>-0.1</sub>	12.9 <sup>+0.1</sup> / <sub>0</sub>

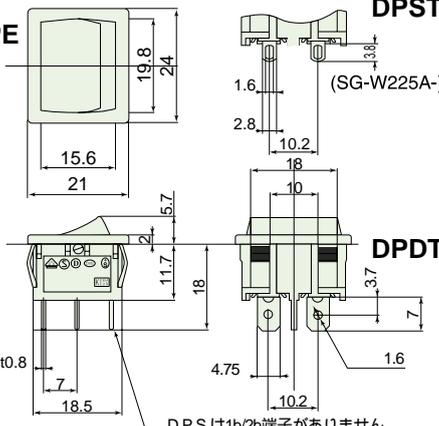
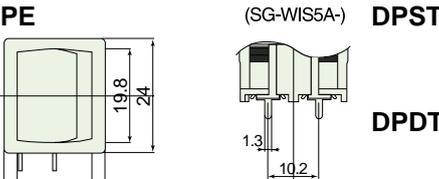
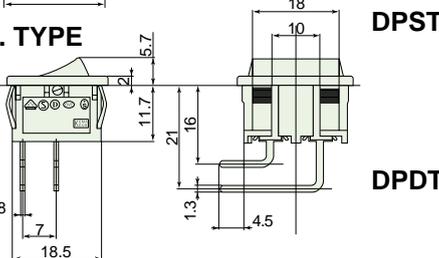




### SAMPLE PRODUCT CODE

<b>SG</b>	<b>- W</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>A</b>	<b>- 0</b>	<b>1</b>	<b>B</b>	<b>B</b>
series	Actuator Type W=Rocker	Circuit 1=D.P.S.T. 2=D.P.D.T.	Terminal Type 1=Faston 2=Lead Wiring P=Right R=Right Angle P.C. Reverse S=Straight P.C.	Rating 5=AC 125V 8A 6=AC 250V 6A 7=10(4)/250~T85	Approval A=UL, SEMKO, VDE, FIMKO, DEMKO, NEMKO	Marking Color 0=White 1=Red 2=Black 3=Non	Marking Type ON OFF 0= <input type="checkbox"/> 1= <input type="checkbox"/> <input type="checkbox"/> 3= <input type="checkbox"/> <input type="checkbox"/> 7= <input type="checkbox"/> <input type="checkbox"/>	Rocker Color B=Black W=White	Body Color B=Black W=White

- 80A Inrush current available. • インラッシュ電流 80A
- The above switches (button and casing) can be modified according to your color and marking specifications.
- 上記以外のつまみ及びケースの色調やマーキングをご希望の方はロット注文により御相談に応じます。

ILLUSTRATIONS	DIMENSIONS	MODEL NO.	Marking Color	Marking Type	Rocker Color	Body... Color
<b>FASTON/ LEAD WIRING TYPE</b> <b>SG-W115A-30BB</b> 	 <p>DPST (SG-W225A-)</p> <p>DPDT</p> <p>D.P.S.は1b/2b端子がありません</p>	SG-W115A-30BB	3 (Non:無)	0 <input type="checkbox"/>	B (Black:黒)	B (Black:黒)
		SG-W115A-01BB	0 (White:白)	1 <input type="checkbox"/> <input type="checkbox"/>	B (Black:黒)	B (Black:黒)
		SG-W115A-03BB	0 (White:白)	3 <input type="checkbox"/> <input type="checkbox"/>	B (Black:黒)	B (Black:黒)
		SG-W215A-30BB	3 (Non:無)	0 <input type="checkbox"/>	B (Black:黒)	B (Black:黒)
		SG-W225A-30BB	3 (Non:無)	0 <input type="checkbox"/>	B (Black:黒)	B (Black:黒)
		SG-W225A-07BB	0 (White:白)	7 <input type="checkbox"/> <input type="checkbox"/>	B (Black:黒)	B (Black:黒)
<b>STRAIGHT P.C. TYPE</b> <b>SG-W1S5A-30BB</b> 	 <p>(SG-W1S5A-) DPST</p> <p>DPDT</p>	SG-W1S5A-30BB	3 (Non:無)	0 <input type="checkbox"/>	B (Black:黒)	B (Black:黒)
		SG-W2S5A-30BB	3 (Non:無)	0 <input type="checkbox"/>	B (Black:黒)	B (Black:黒)
<b>RIGHT ANGLE P.C. TYPE</b> <b>SG-W1P5A-30BB</b> 	 <p>DPST</p> <p>DPDT</p>	SG-W1P5A-30BB	3 (Non:無)	0 <input type="checkbox"/>	B (Black:黒)	B (Black:黒)
		SG-W2P5A-30BB	3 (Non:無)	0 <input type="checkbox"/>	B (Black:黒)	B (Black:黒)

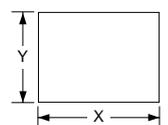
リバースタイプはON-OFF方向が逆になります。

#### Rating and Safety standard approval 定格、安全規格認可表

Safety Standard Approval No.	電気用品取締法対策外 (資源エネルギー庁・公益事業部1988年2月3日付の通達により3月1日以降甲種電気用品非対象製品になりました。)	CSA file No.LR51878 UL File No.E77920	OVE REG. No. 5726-076-00 SEMKO REG. No. 9917124 KEMA REG. No. 2001449 SEV REG. No. 00.0377 VDE REG. No. 126979 FIMKO REG. No. 14899 DEMKO REG. No. 309548 NEMKO REG. No. P00100113
Rating 定格	250V 6A 機器用 125V 6A 機器用	AC 250V 6A AC 125V 8A	10(4)/250 ~ T85 6(4)/250 ~ 5E4T85 6/80A 250V ~

#### Size of Mounting Hole 取付穴参考寸法

Thickness of mounting board 取付板板厚	X	Y
0.75 ~ 1.25	19.2 <sup>0</sup> <sub>-0.1</sub>	21.9 <sup>+0.1</sup> <sub>0</sub>
1.25 ~ 2.00	19.4 <sup>0</sup> <sub>-0.1</sub>	21.9 <sup>+0.1</sup> <sub>0</sub>
2.00 ~ 3.00	19.8 <sup>0</sup> <sub>-0.1</sub>	21.9 <sup>+0.1</sup> <sub>0</sub>



## ROCKER SWITCH

波形スイッチ

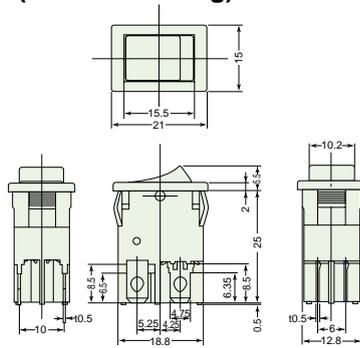
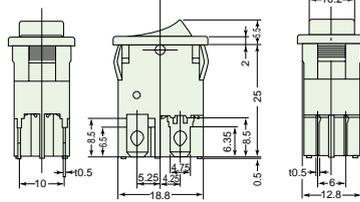
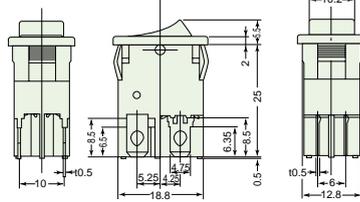
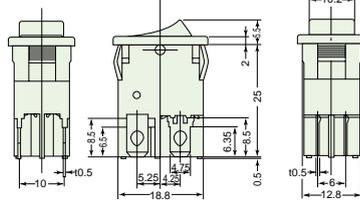
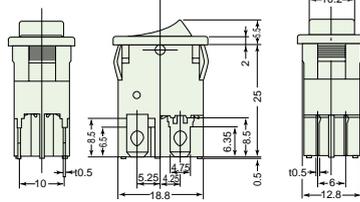
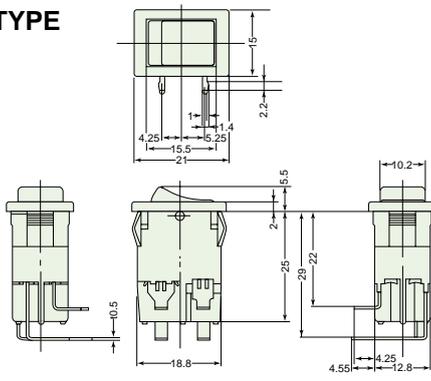
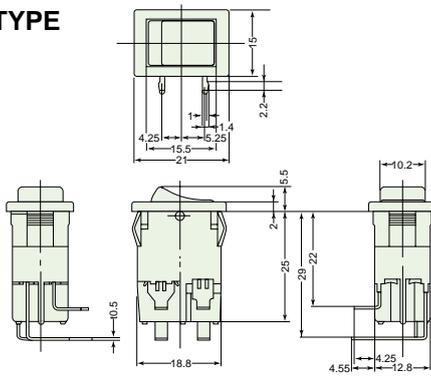
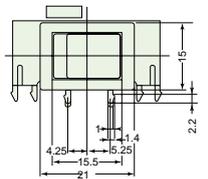
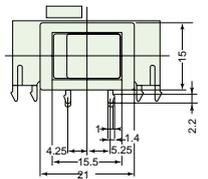
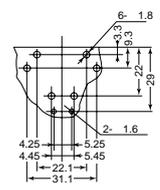
SE SERIES



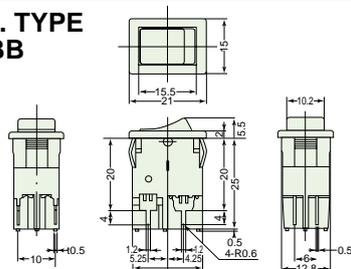
### SAMPLE PRODUCT CODE

<b>SE</b>	<b>-</b>	<b>W</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>A</b>	<b>-</b>	<b>0</b>	<b>1</b>	<b>B</b>	<b>B</b>
series		Actuator Type	Circuit	Terminal Type	Rating	Approval		Marking Color	Marking Type	Rocker Color	Body Color
		W=Rocker	2=D.P.S.T	O=Faston #187(0.5) L=Low Type 4(1)/250 ~ Straight P.C. P=Right Angle P.C. R=Right Angle P.C. Reverse S=Straight P.C.	2=AC 125V 6A AC 250V 4A 4(1)/250 ~ T85 4/30A 250V ~	A=		0=White 1=Red 2=Black 3=Non	ON OFF 0=	B=Black R=Red W=White	B=Black W=White

- 35A Inrush current available. • インラッシュ電流 35A (AC100V時)
- The above switches (button and casing) can be modified according to your color and marking specifications.
- 上記以外のつまみ及びケースの色調やマーキングをご希望の方はロット注文により御相談に応じます。

ILLUSTRATIONS	DIMENSIONS	MODEL NO.	Marking Color	Marking Type	Rocker Color	Body... Color
<b>FASTON TERMINAL TYPE(with lead wiring)</b> <b>SE-W202A-01BB</b> 		SE-W202A-30BB	3 (Non:無)	0 	B (Black:黒)	B (Black:黒)
		SE-W202A-01BB	0 (White:白)	1 	B (Black:黒)	B (Black:黒)
		SE-W202A-07BB	0 (White:白)	7 	B (Black:黒)	B (Black:黒)
		SE-W202A-03BB	0 (White:白)	3 	B (Black:黒)	B (Black:黒)
		SE-W202A-03RB	0 (White:白)	3 	R (Red:赤)	B (Black:黒)
						
<b>RIGHT ANGLE P.C. TYPE</b> <b>SE-W2P2A-30BB</b> 		SE-W2P2A-30BB	3 (Non:無)	0 	B (Black:黒)	B (Black:黒)
		<b>RIGHT ANGLE P.C. Type</b> <b>RIGHT ANGLE P.C. REVERSE Type</b> 				
		リバースタイプはON-OFF方向が逆になります。				
<b>SE-W2P2A-30BBM with metal frame</b> 		SE-W2P2A-30BBM*	3 (Non:無)	0 	B (Black:黒)	B (Black:黒)
		SE-W2R2A-03RBM*	0 (White:白)	3 	R (Red:赤)	B (Black:黒)
		* M equals with metal frame * Mはメタルフレーム付				
<b>Reference Panel Mounting 取付穴参考寸法</b> (See from behind) (ハンダ付け面側より見る)				This illustration is different from the Reverse Metal Frame type. Please contact for details.  メタルフレーム付リバースタイプの取付穴は多少違います。お問合わせ下さい。		

Contact Resistance : 20mΩ or less at 4-terminal method 100mA DC.  
 Insulation Resistance : 500MΩ or more at 500V DC.  
 Dielectric Withstanding Voltage : One minute at 2000V AC.  
 接触抵抗 : 4端子測定法DC 100mAに於て、20mΩ 以下のこと。  
 絶縁抵抗 : DC 500Vに於て、500MΩ 以上のこと。  
 耐電圧 : AC 2000Vに於て、1分間異常のないこと。

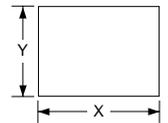
ILLUSTRATIONS	DIMENSIONS	MODEL NO.	Marking Color	Marking Type	Rocker Color	Body... Color
<b>STRAIGHT P.C. TYPE</b> <b>SE-W2S2A-30BB</b> 		<b>Low Type:短端子</b> SE-W2L2A-30BB	3	0	B	B
		長端子 SE-W2S2A-30BB	3 (Non:無)	0 ( )	B (Black:黒)	B (Black:黒)

Rating and Safety standard approval 定格、安全規格認可表

Safety Standard Approval No.  各国規格取得 No.	電気用品取締法対象外 (資源エネルギー庁・公益事業部 1988年2月3日付の通達により3月1日以降甲種電気用品非対象製品になりました。	CSA file No.LR51878 UL File No.E77920	ÖVE REG. No. 5726-058-03 SEMKO REG. No. 9830131 KEMA REG. No. 99.5530 SEV REG. No. 99.7 70592 VDE REG. No. 126026 FIMKO REG. No. 12473 DEMKO REG. No. DK99-00118 NEMKO REG. No. P99100116
			Rating 定格

Size of Mounting Hole 取付穴参考寸法

Thickness of mounting board 取付板板厚	X	Y
0.75 ~ 1.25	19.2 <sup>0</sup> <sub>-0.1</sub>	12.9 <sup>+0.1</sup> <sub>0</sub>
1.25 ~ 2.00	19.4 <sup>0</sup> <sub>-0.1</sub>	12.9 <sup>+0.1</sup> <sub>0</sub>



## ROCKER SWITCH

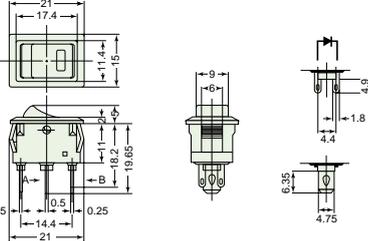
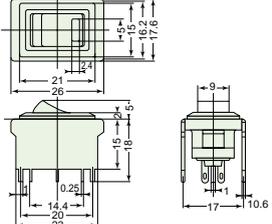
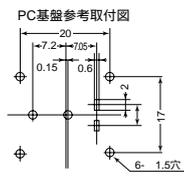
### 波形スイッチ

SC SERIES  

### SAMPLE PRODUCT CODE

<b>SC</b>	-	<b>W</b>	<b>L</b>	<b>0</b>	<b>1</b>	<b>A</b>	-	<b>0</b>	<b>1</b>	<b>B</b>	<b>B</b>
series		Actuator Type	Circuit	Terminal Type	Rating	Approval		LED Lens Color	LED Color	Rocker Color	Body Color
		W=Rocker	L=LED.	O=Faston #187(t0.5) P=Right Angle P.C.	1=AC 250V 3A AC 125V 5A	A=   N=non		1=White 0=White	1=Orange 2=Green 3=Red	B=Black R=Red W=White	B=Black W=White

- 35A Inrush current available. • インラッシュ電流 35A (AC100V時)
- The above switches (button and casing) can be modified according to your color and marking specifications.
- 上記以外のつまみ及びケースの色調やマーキングをご希望の方はロット注文により御相談に応じます。

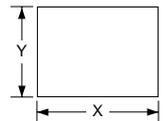
ILLUSTRATIONS	DIMENSIONS	MODEL NO.	LED Lens Color	LED Color	Rocker Color	Body... Color
<b>SPST with LED</b> <b>SC-WL01A-03BB</b> 		SC-WL01A-01BB	0 (White)	1 (Orange)	B (Black)	B (Black)
		SC-WL01A-02BB	0 (White)	2 (Green)	B (Black)	B (Black)
		SC-WL01A-03BB	0 (White)	3 (Red)	B (Black)	B (Black)
		SC-WLP1N-01BB	0 (White)	1 (Orange)	B (Black)	B (Black)
<b>SPST with LED</b> <b>SC-WLP1N-01BB</b>  <p>特殊仕様 (P.C. Type) Special Type(for P.C.B.)</p>						
		No   Approval for this product.   規格認定品はありません。				

#### Rating and Safety standard approval 定格、安全規格認可表

Circuit 回路数	CSA File No.LR51878 UL File No.E77920	•The standard type P.C. Terminal model No. above is not approved by the   For   approved standard types please contact us directly. •上記P.C.端子標準タイプのModel No.は   の規格認定品ではありません。認定品についてはお問合わせ下さい。
S.P.S.T with LED indicator	AC 250V 3A AC 125V 5A	

#### Size of Mounting Hole 取付穴参考寸法

Thickness of mounting board 取付板板厚	X	Y
0.75 ~ 1.25	19.2 <sup>0</sup> <sub>-0.1</sub>	12.9 <sup>+0.1</sup> <sub>0</sub>
1.25 ~ 2.00	19.4 <sup>0</sup> <sub>-0.1</sub>	12.9 <sup>+0.1</sup> <sub>0</sub>



#### LED Resistance value 抵抗値

LED Color	赤 Red	緑 Green	オレンジ Orange
順電圧(V <sub>F</sub> )	1.7V	2.1V	2.2V
順電流(I <sub>F</sub> )	20mA	20mA	20mA
最大動作電流(I <sub>FM</sub> )	40mA	40mA	40mA

$$R = \frac{E_s - V_f}{I_f}$$

$E_s$  = 供給電圧  
 $R$  = 抵抗