



CONTROL SWITCHES

- 5-1 Lever Switch
- 5-2 Rotary Switch
- 5-3 Key Switch
- 5-4 Selector Push Button Switch
- 5-5 Push Button Switch
- 5-6 Emergency Push Button Switch
- 5-7 Super Emergency Push Button Switch
- 5-8 Portable Switch
- 5-9 Auxiliary Switch
- 5-10 Foot Switch

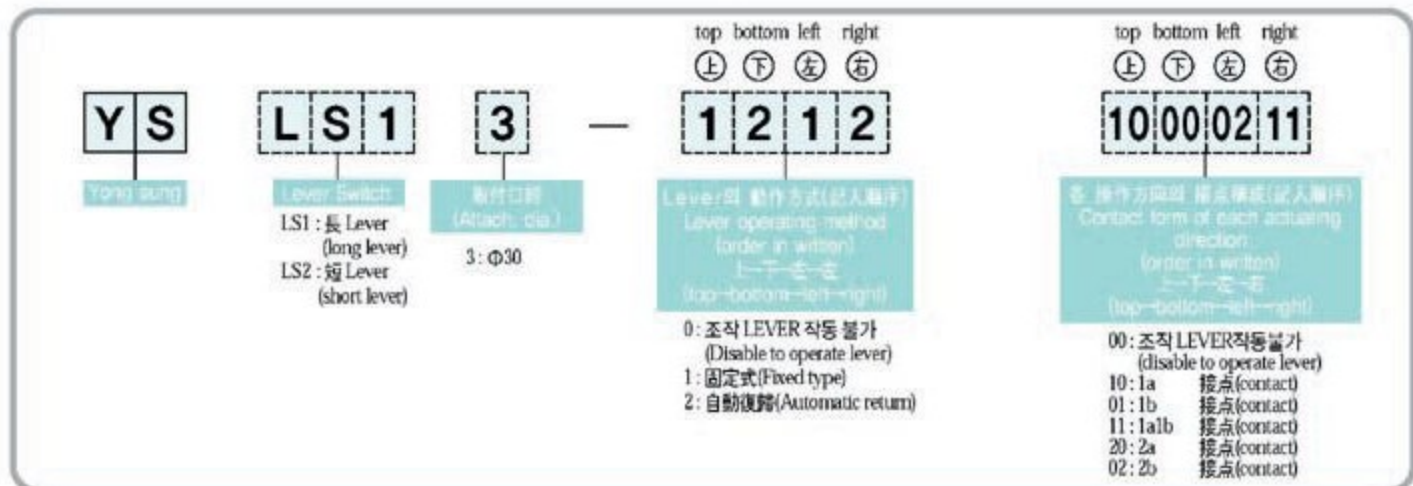
5 제어용 스위치류 CONTROL SWITCHES



5-1	레버 스위치	5-1	Lever Switch
5-2	로타리 스위치	5-2	Rotary Switch
5-3	키 스위치	5-3	Key Switch
5-4	셀렉타 누름버튼 스위치	5-4	Selector Push Button Switch
5-5	누름버튼 스위치	5-5	Push Button Switch
5-6	비상누름버튼 스위치	5-6	Emergency Push Button Switch
5-7	슈퍼 비상누름버튼 스위치	5-7	Super Emergency Push Button Switch
5-8	포터블 스위치	5-8	Portable Switch
5-9	보조 스위치	5-9	Auxiliary Switch
5-10	발판 스위치	5-10	Foot Switch

5-1 레버스위치 Lever Switch

• 形式 區分圖 - Type classification diagram



• 特徴 - Features

- 4개의 동작을 1개의 Lever로自由自在로 Control되는 4方向 操作스위치
- 1개의 Lever로 4方向的 동작을 Control하는 4方向 스위치입니다.
- Lever를 쓰러지는 방향과 같은 방향의 接点이 作動하므로, 工作機器와 産業機械를 上下左右로 頻繁히 方向轉換시킬 때 좋습니다.
- 4 directional operating switch which can control 4 directional actions by one lever.
- 4 directional operating switch in which 4 directional actions is controlled by only one lever.
- With operating of lever falling directional contact, it is useful for frequent direction change machine tools and industrial machines in any direction.

• 操作 機構部 - Actuating system part

- 操作 Lever는 中心이 中心位置로, 각 方向에 約 30° 기울이면 Lock Pin을 통하여 2方向的 接点이 作動합니다.
- Lever의 動作에는 4方向, 3方向, 2方向的 것이 있고, 어느 方向의 notch에 對해서도 作動位置 停止動作과 自動復歸動作을 自由로 選擇하는 것이 가능합니다.
- As the center of actuating lever is the central position, if about 30 inclines to each direction, 2 directional contacts are operated via Lock Pin. Lever operation is of 4, 3, 2 directional and it is possible to freely choose operating position stop action and automatic return action against any directional notch.

● 部品 材質 – Part Materials

부 품 명 (Part)	재 질 (Materials)
몸 체 (Body)	Polycarbonate Resin
홀 다 (Holder)	ABS내열 (Heat resistance ABS) Resin
接 点 (Contact)	은접점 (Silver)
端 子 (Terminal)	黃 銅 (Brass)
볼 트 (Bolt)	MSWR-3 (Zn plating)
스프링 (Spring)	Stainless 鋼 (Stainless Steel)
링 (Ring)	Aluminum (Al)

● 接点定格 – Contact Rating

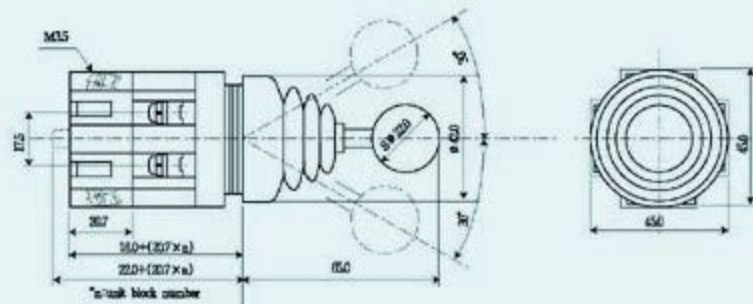
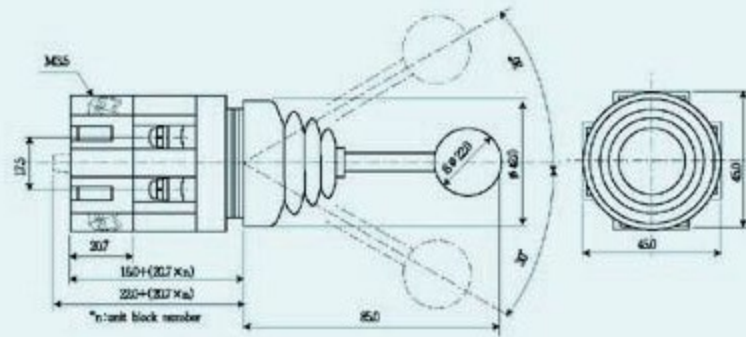
接点部 의仕様 Contact part spec.	交流 (AC)	定格電壓 (rating voltage)		125V	250V	440V
		定格電流 (rating current)		10A	6A	3A
		遮斷電流 (breaking current)		開路遮斷電流=定格電流×2.2 (closed breaking current=rating current×2.2)		
	直流 (DC)	定格電壓 (rating voltage)		24V	110V	220V
		抵 抗 (resistance)	定格電流 (rating current)	10A	2.2A	1.1A
			遮斷電流 (breaking current)	閉路遮斷電流=定格電流×1.1 (closed breaking current=rating current×1.1)		
		誘 導 (induction)	定格電流 (rating current)	5A	1.1A	0.6A
			遮斷電流 (breaking current)	閉路遮斷電流=定格電流×1.1 (closed breaking current=rating current×1.1)		
		定格通電電流 (rating conductive current)		10A		

● 性能 概要 – Performance summary

定格容量 (Rating capacity)	AC250V 6A
絶縁抵抗 (Insulation resistance)	above 100MΩ (DC 500V, Meg)
接觸抵抗 (Contact resistance)	below 20mΩ (initial value)
耐電壓 (Withstand voltage)	AC2,500V/min (50~60Hz)
機械的 壽命 (Mechanical lifetime)	about 500,000 times (20 times/min)
電氣的 壽命 (Electrical lifetime)	about 100,000 times (20 times/min)
使用周圍溫度 (Ambient temperature)	-25℃ ~ +40℃
相對濕度 (Relative humidity)	45 ~ 85%

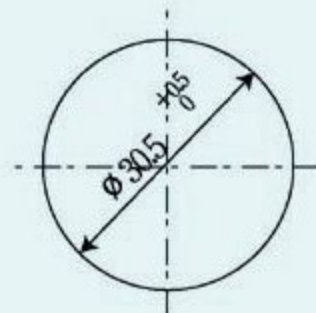
- 外形/值數圖 - Shape/Dimension Drawing

(unit : mm)



- PANEL 取付値數 – Panel attachment dimension

(unit : mm)

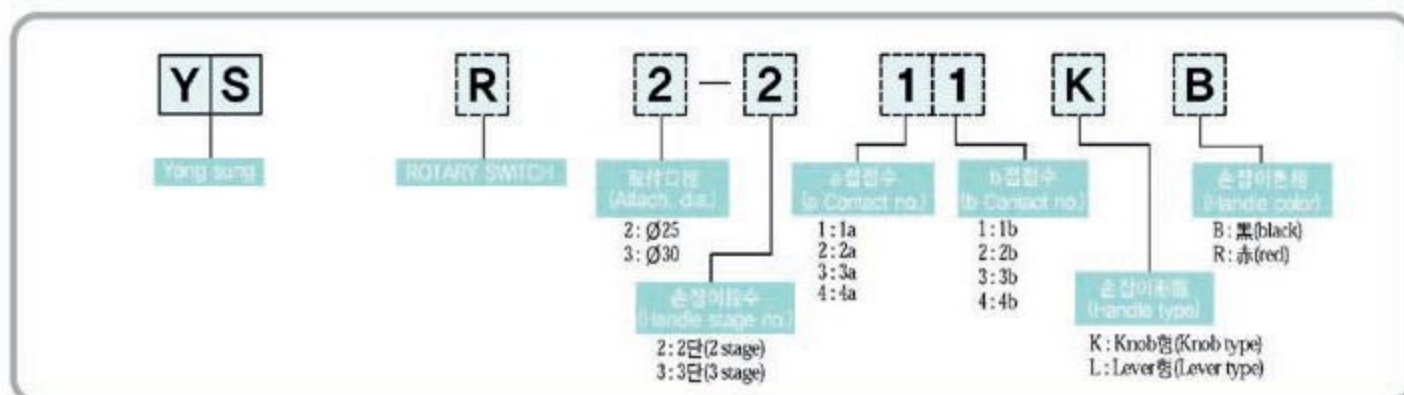


5-2 로타리 스위치 Rotary Switch

SHO2200-3002

UL US

形式 區分圖 - Type classification diagram



特徴 - Features

- 金屬部分を 特殊合金처리 또는 鍍金처리하였기 때문에 壽命이 매우 깁니다.
- 接点構成은 하부연결 블럭을 사용하여 1a(NO) 1b(NC)를 基本으로 2a2b, 3a3b, 4a4b까지 다양하게 구성할 수 있습니다.
- 판넬부착 Ring은 보통 내열성 ABS로 되어 있으나 주문시에는 다이캐스팅 알루미늄으로 대체할 수 있습니다.
- Special alloying or plating treatment on metal parts makes longer life.
- Various contact composition is possible like 2a2b, 3a3b, 4a4b etc. based on 1a(NO) 1b(NC) by use of bottom connection block.
- Normal panel attachment ring is heat resistance ABS, but also replaceable by diecasting aluminum upon request.

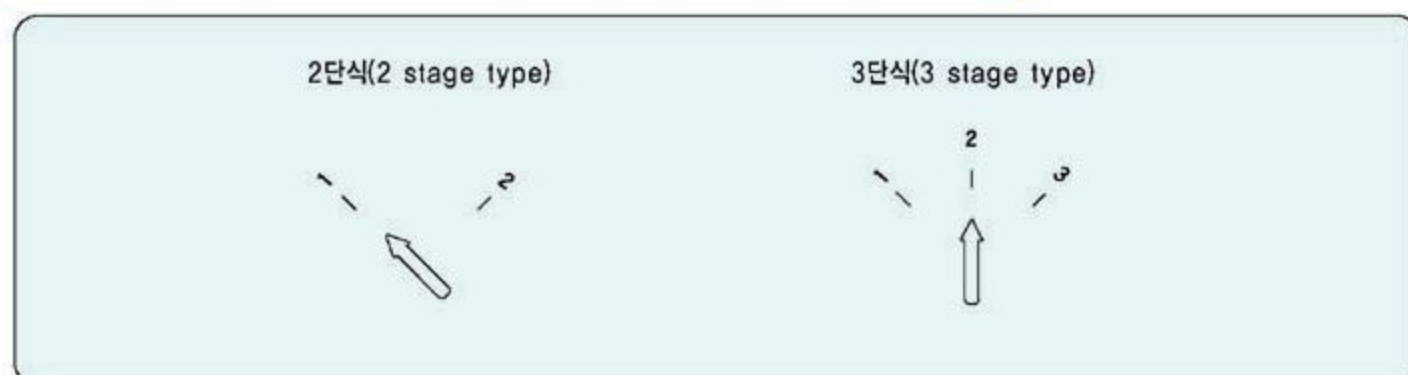
接点 構成圖 - Contact form drawing

접점구성번호 Contact No.	접점구성 Contact form	단자부호 Terminal Code	2단(2stage)		접점구성번호 Contact No.	접점구성 Contact form	단자부호 Terminal Code	3단(3stage)		
			Left	Right				Left	Center	Right
11	1a1b	NO		●	11	1a1b	NO	●		
		NC	●				NC			●
20	2a	NO		●	20	2a	NO	●		
		NO		●			NO	●		
22	2a2b	NO		●	22	2a2b	NO	●		
		NC	●				NC			●
		NO		●			NO	●		
		NC	●				NC			●
33	3a3b	NO		●	33	3a3b	NO	●		
		NC	●				NC			●
		NO		●			NO	●		
		NC	●				NC			●
		NO		●			NO	●		
		NC	●				NC			●

• 性能 概要 - Performance summary

定格容量 (Rating capacity)	AC250V 6A
絶縁抵抗 (Insulation resistance)	above 100MΩ (DC 500V, Meg)
接觸抵抗 (Contact resistance)	below 20mΩ (initial value)
耐電壓 (Withstand voltage)	AC 2,500V/min (50~60Hz)
機械的壽命 (Mechanical lifetime)	above 500,000 times (20 times/min)
電氣的壽命 (Electrical lifetime)	above 100,000 times (20 times/min)
작동에 필요한 힘 (Operating force)	200 ~ 350g
使用周圍溫度 (Ambient temperature)	-25℃ ~ +40℃
相對濕度 (Relative humidity)	45 ~ 85%

• 손잡이 動作 方向圖 - Directional diagram of handle action



• 손잡이 種類 - Handle type

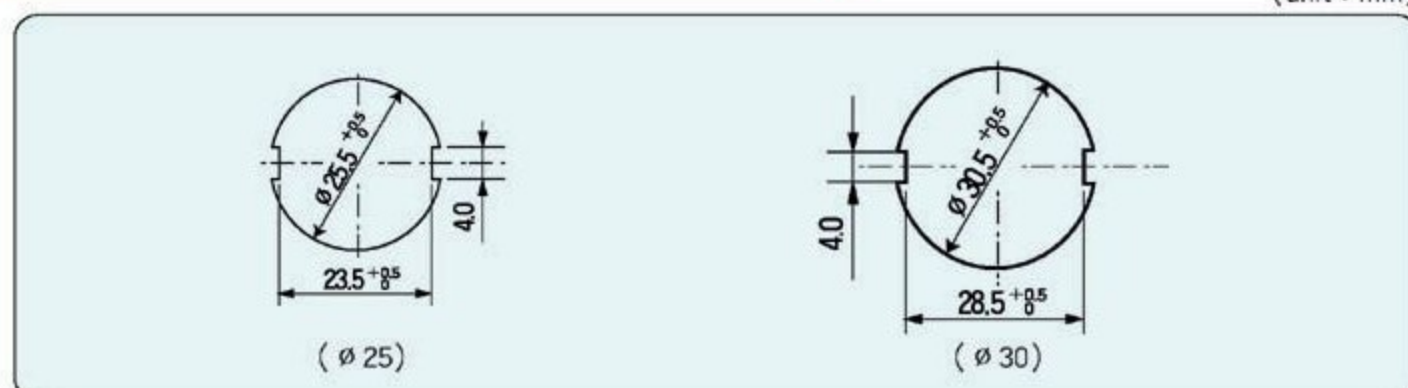


하부 연결블럭 조립방법 (Bottom connection block assembling method)



• PANEL 取付値數 - Panel attachment dimension

(unit : mm)



● 部品 材質 – Part Materials

部 品 (Part)	材 質 (Materials)
몸 체 (Body)	Polycarbonate Resin
홀 다 (Holder)	ABS내열 (Heat resistance ABS) Resin
接 点 (Contact)	은접점 (silver)
端 子 (Terminal)	黃 銅 (Brass)
볼 트 (Bolt)	MSWR-3 (Zn plating)
핸 들 (Handle)	Polycarbonate Resin
스프링 (Spring)	Stainless 鋼 (Stainless steel)
링 (Ring)	ABS Resin

● 接点定格 – Contact Rating

接点部の 仕様 Contact part spec.	交流 (AC)	定格電壓 (rating voltage)	125V	250V	440V
		定格電流 (rating current)	10A	6A	3A
		遮斷電流 (breaking current)	閉路遮斷電流=定格電流×2.2 (closed breaking current=rating current×2.2)		
	直流 (DC) (resistance)	定格電壓 (rating voltage)	24V	110V	220V
		抵 抗 (resistance)	定格電流 (rating current)	10A	2.2A
			遮斷電流 (breaking current)	閉路遮斷電流=定格電流×1.1 (closed breaking current=rating current×1.1)	
		誘 導 (induction)	定格電流 (rating current)	5A	1.1A
			遮斷電流 (breaking current)	閉路遮斷電流=定格電流×1.1 (closed breaking current=rating current×1.1)	
		定格通電電流 (rating conductive current)		10A	

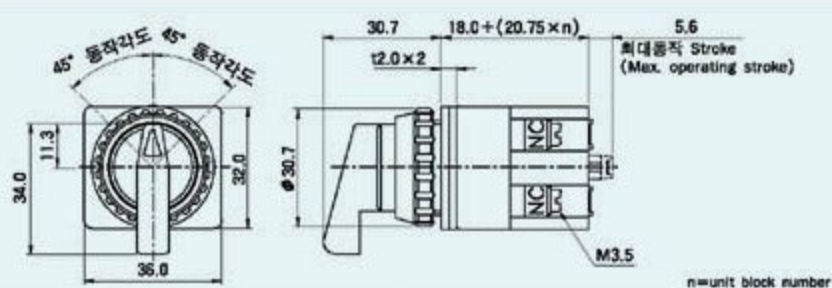
● 外形/値數圖 – Shape/Dimension Drawing

(unit : mm)

Lever Type



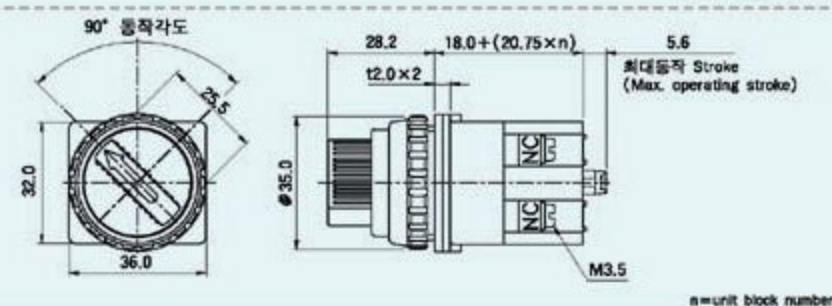
CALUS



Knob Type



CALUS



5-3 키 스위치 Key Switch



• 形式 區分圖 - Type classification diagram



• 性能 概要 - Performance summary

定格容量 (Rating capacity)	AC250V 6A
絶緣抵抗 (Insulation resistance)	above 100MΩ (DC 500V, Meg)
接觸抵抗 (Contact resistance)	below 20mΩ (initial value)
耐電壓 (Withstand voltage)	AC 2,500V/min (50~60Hz)
機械的壽命 (Mechanical lifetime)	above 500,000 times (20times/min)
電氣的壽命 (Electrical lifetime)	above 100,000 times (20times/min)
작동에 필요한 힘 (Operating force)	200 ~ 350g
使用周圍溫度 (Ambient temperature)	-25℃ ~ +40℃
相對濕度 (Relative humidity)	45 ~ 85%

• 部品 材質 - Part Materials

部 品 (Part)	材 質 (Materials)
몸 체 (Body)	Polycarbonate Resin
홀 다 (Holder)	ABS내열 (Heat resistance ABS) Resin
接 点 (Contact)	은접점 (Silver)
端 子 (Terminal)	黃 銅 (Brass)
링 (Ring)	알루미늄 (Aluminum)
키몸체 (Key body)	아연 다이캐스팅 (Zn Diecasting)
볼 트 (Bolt)	MSWR-3 (Zn plating)
스프링 (Spring)	Stainless 鋼 (Stainless steel)

• Key 동작방향 – Key operating direction

2단 (2 stage)	3단 (3 stage)

• 外形/値數圖 – Shape/Dimension Drawing

(unit : mm)

Ø25 cULus	45° 45° 32.0 36.0 46.5 20.0 + (20.75 × n) 5.6 12.0 × 3 Ø 30.0 M3.5 최대동작 Stroke (Max. operating stroke) n = unit block number
Ø30 cULus	90° 32.0 36.0 46.5 20.0 + (20.75 × n) 5.6 12.0 × 3 Ø 35.0 M3.5 최대동작 Stroke (Max. operating stroke) n = unit block number

• Key 빠지는 위치 – Key release position

2단 (2 stage)	3단 (3 stage)
Left Right	Left Center Right

5-4 셀렉타 누름버튼 스위치 Selector Push Button Switch



• 特徴 - Features

- 回路를 切換選擇하여 Push Button 조작을 必要로 하는 工作機械등에 使用하도록 設計된 스위치입니다.
- Switch designed for the application of machine tools etc. requiring Push Button actuation, with transfer selection of circuit.

• 部品 材質 - Part Materials

部 品 (Part)	材 質 (Materials)
接点部 Body (Contact part body)	Phenol Resin
몸 체 (Body)	Zn Diecasting
端 子 (Terminal)	黃 銅 (Brass)
링 (Ring)	알루미늄 (Aluminum)
캡 (CAP)	ABS Resin (N Type), PC Resin (M Type)
接 点 (Contact)	은접점 (Silver)

• 接点定格 - Contact Rating

接点部の仕様 Contact part spec.	交流 (AC)	定格電壓 (rating voltage)		125V	250V	440V
		定格電流 (rating current)		10A	6A	3A
		遮斷電流 (breaking current)		閉路遮斷電流=定格電流×2.2 (closed breaking current=rating current×2.2)		
	直流 (DC)	定格電壓 (rating voltage)		24V	110V	220V
		抵抗 (resistance)	定格電流 (rating current)	10A	2.2A	1.1A
			遮斷電流 (breaking current)	閉路遮斷電流=定格電流×1.1 (closed breaking current=rating current×1.1)		
		誘導 (induction)	定格電流 (rating current)	5A	1.1A	0.6A
			遮斷電流 (breaking current)	閉路遮斷電流=定格電流×1.1 (closed breaking current=rating current×1.1)		
定格通電電流 (rating conductive current)				10A		

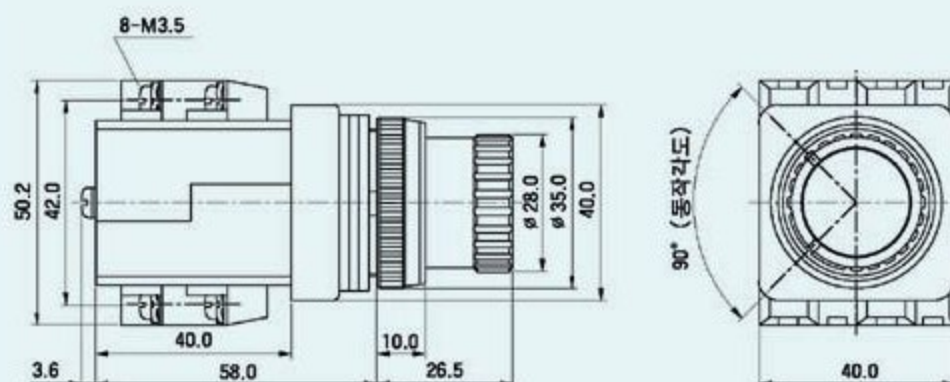
• 性能 概要 - Performance summary

定格容量 (Rating capacity)	AC250V 6A
絶縁抵抗 (Insulation resistance)	above 100MΩ (DC 500V, Meg)
接觸抵抗 (Contact resistance)	below 20mΩ (initial value)
耐電壓 (Withstand voltage)	AC2,500V/min
機械的壽命 (Mechanical lifetime)	above 250,000 times (20times/min)
電氣的壽命 (Electrical lifetime)	above 150,000 times (20times/min)
作動에 必要한 힘 (Operating force)	about 600g
使用周圍溫度 (Ambient temperature)	-25℃ ~ +40℃
相對濕度 (Relative humidity)	45 ~ 85%

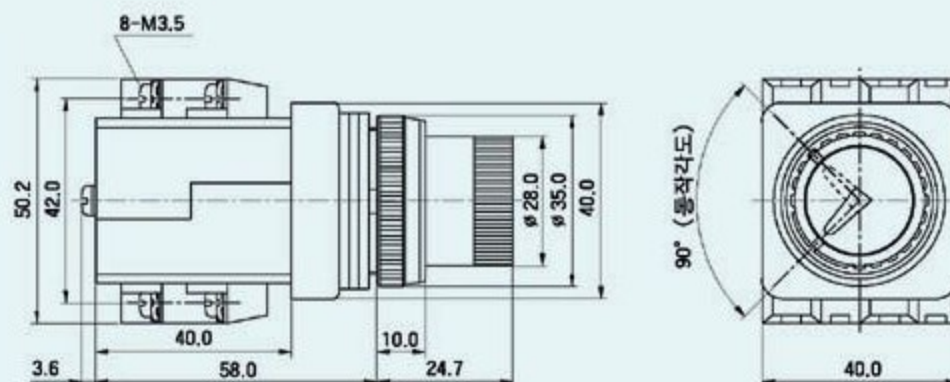
● 外形/値数圖 - Shape/Dimension Drawing

(unit : mm)

YSRP 30-22 BM

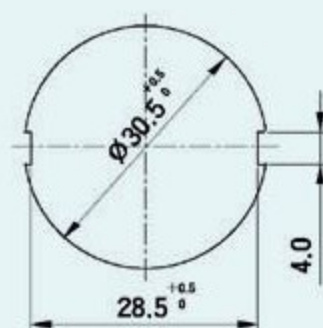


YSRP 30-22 BN



● PANEL 取付値数 - Panel attachment dimension

(unit : mm)



5-5 누름버튼 스위치 Push Button Switch



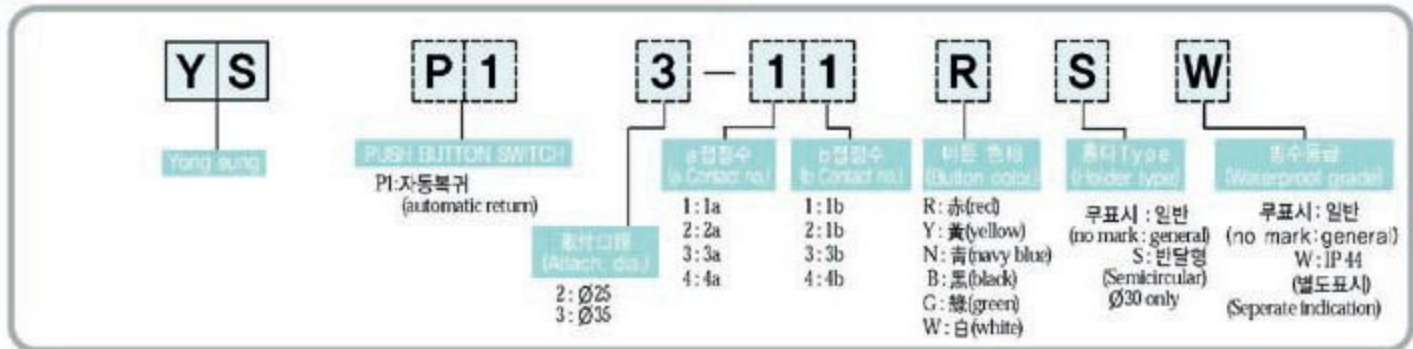
SHO2200-3001

IP: 44(주문생산, Ordered production)

SEL80125-EL001

EX99 IP536

• 形式 區分圖 - Type classification diagram



• 性能 概要 - Performance summary

定格容量 (Rating capacity)	AC250V 6A
絶緣抵抗 (Insulation resistance)	above 100MΩ (DC 500V, Meg)
接觸抵抗 (Contact resistance)	below 20mΩ (initial value)
耐電壓 (Withstand voltage)	AC 2,500V/min (50~60Hz)
機械的壽命 (Mechanical lifetime)	above 500,000 times (20times/min)
電氣的壽命 (Electrical lifetime)	above 100,000 times (20times/min)
작동에 필요한 힘 (Operating force)	200 ~ 350g
使用周圍溫度 (Ambient temperature)	-25℃ ~ +40℃
相對濕度 (Relative humidity)	45 ~ 85%

• 接点定格 - Contact Rating

接点部の仕様 Contact part spec.	交流 (AC)	定格電壓 (rating voltage)		125V	250V	440V
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			遮断電流 (breaking current)	閉路遮断電流=定格電流×1.1 (closed breaking current=rating current×1.1)		
		誘導 (induction)	定格電流 (rating current)	5A	1.1A	0.6A
			遮断電流 (breaking current)	閉路遮断電流=定格電流×1.1 (closed breaking current=rating current×1.1)		
	定格通電電流 (rating conductive current)				10A	

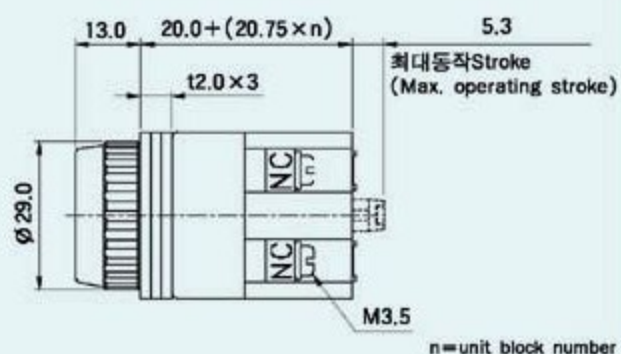
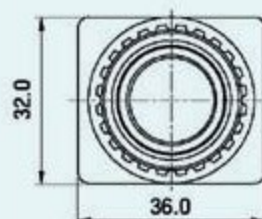
• 部品 材質 - Part Materials

部 品 (Part)	材 質 (Materials)
몸 체 (Body)	Polycarbonate Resin
홀 다 (Holder)	ABS내열 (Heat resistance ABS) Resin
接 点 (Contact)	은점점 (Silver)
端 子 (Terminal)	黃 銅 (Brass)
볼 트 (Bolt)	MSWR-3 (Zn plating)
버 튠 (Button)	아세탈 (Acetal resin)
스프링 (Spring)	Stainless 鋼 (Stainless steel)
링 (Ring)	ABS Resin

● 外形/値數圖 - Shape/Dimension Drawing

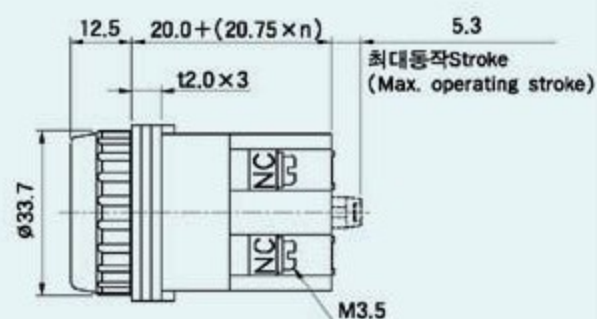
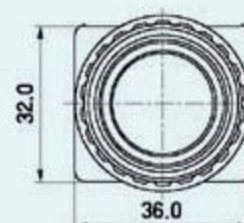
(unit : mm)

Ø25



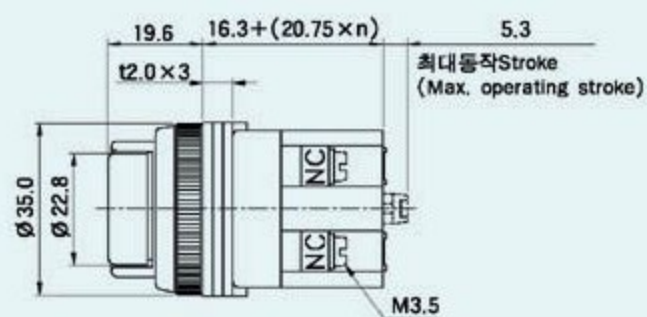
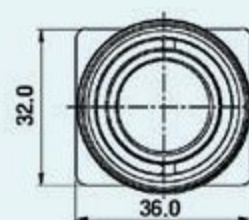
n=unit block number

Ø30



n=unit block number

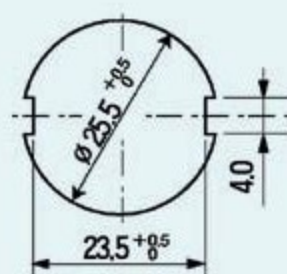
Ø30 (S TYPE)



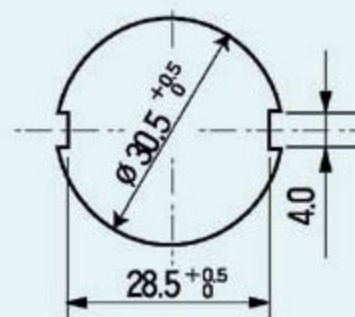
n=unit block number

● PANEL 取付値數 - Panel attachment dimension

(unit : mm)



(Ø 25)



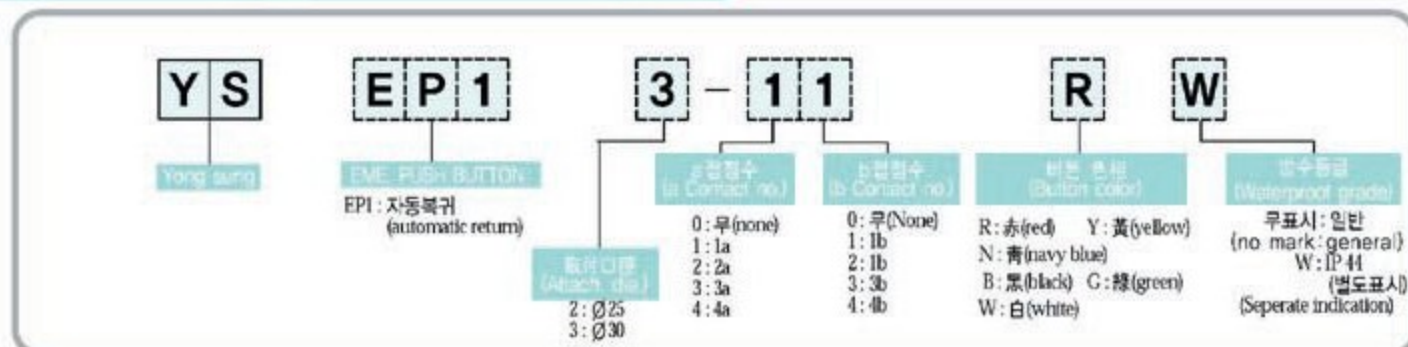
(Ø 30)

5-6 비상누름버튼 스위치 Emergency Push Button Switch



▶ IP: 44, 주문생산 (Ordered production)
SEL80125-EL001
EX99 IP536

• 形式 區分圖 - Type classification diagram



• 性能 概要 - Performance summary

定格容量 (Rating capacity)	AC250V 6A
絶緣抵抗 (Insulation resistance)	above 100MΩ (DC 500V, Meg)
接觸抵抗 (Contact resistance)	below 20mΩ (initial value)
耐電壓 (Withstand voltage)	AC2,500V/min
機械的壽命 (Mechanical lifetime)	above 500,000 times (20times/min)
電氣的壽命 (Electrical lifetime)	above 100,000 times (20times/min)
作動에 必要한 힘 (Operating force)	200 ~ 350g
使用周圍溫度 (Ambient temperature)	-25℃ ~ +40℃
相對濕度 (Relative humidity)	45 ~ 85%

• 接点定格 - Contact Rating

接点部の仕様 Contact part spec.	交流 (AC)	定格電壓 (rating voltage)		125V	250V	440V
		定格電流 (rating current)		10A	6A	3A
		遮断電流 (breaking current)		閉路遮断電流=定格電流×2.2 (closed breaking current=rating current×2.2)		
	直流 (DC)	定格電壓 (rating voltage)		24V	110V	220V
		抵抗 (resistance)	定格電流 (rating current)	10A	2.2A	1.1A
			遮断電流 (breaking current)	閉路遮断電流=定格電流×1.1 (closed breaking current=rating current×1.1)		
		誘導 (induction)	定格電流 (rating current)	5A	1.1A	0.6A
			遮断電流 (breaking current)	閉路遮断電流=定格電流×1.1 (closed breaking current=rating current×1.1)		
	定格通電電流 (rating conductive current)				10A	

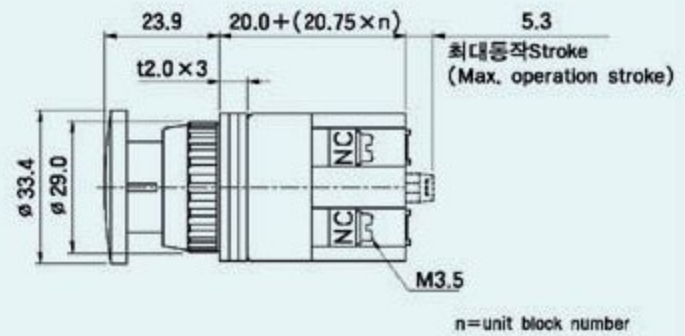
• 部品 材質 - Part Materials

部 品 (Part)	材 質 (Materials)
몸 체 (Body)	Polycarbonate Resin
接 点 (Contact)	은접점 (Silver)
홀 다 (Holder)	ABS내열 (Heat resistance ABS) Resin
端 子 (Terminal)	黃 銅 (Brass)
볼 트 (Bolt)	MSWR-3 (Zn plating)
스프링 (Spring)	Stainless 鋼 (Stainless steel)
링 (Ring)	ABS Resin
캡 (Cap)	ABS Resin

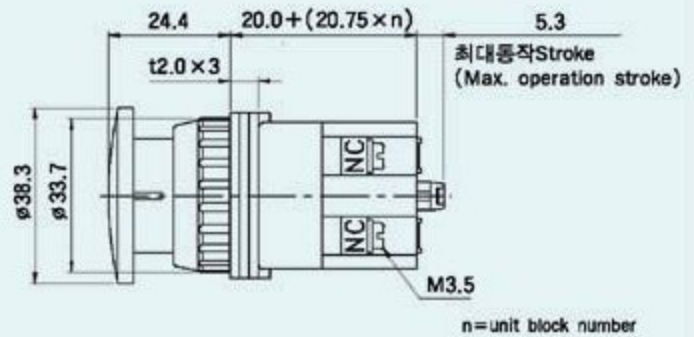
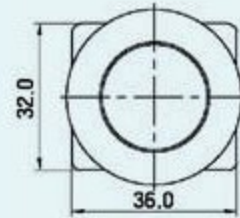
● 外形/値數圖 - Shape/Dimension Drawing

(unit : mm)

Ø25



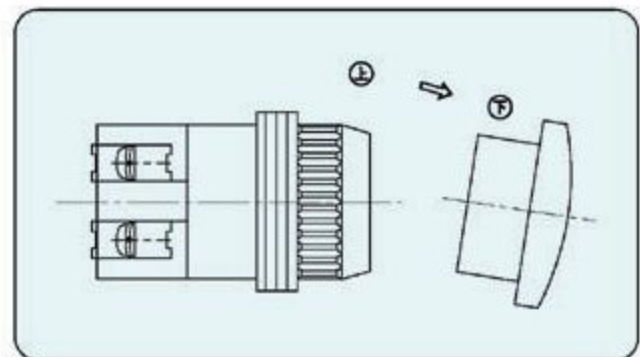
Ø30



● CAP 교체(CAP replacement method)

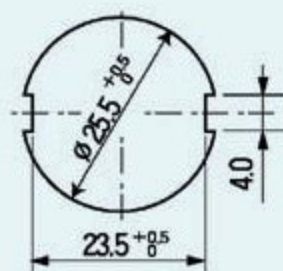
CAP 교체는 잡아당기지 말고 그림과 같이 위에서 下로
쪼개듯이 뺐다.

When CAP replacing, do not pull out but take out from top
to downward like chopping as shown in fig.

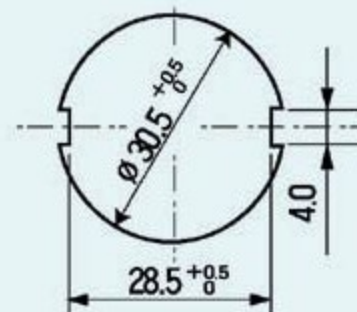


● PANEL 取付値數 - Panel attachment dimension

(unit : mm)



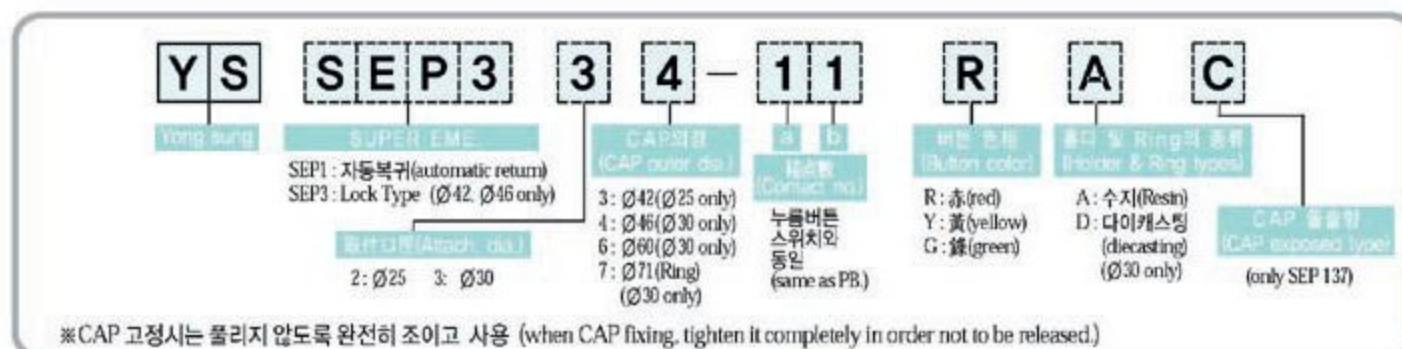
(Ø 25)



(Ø 30)

5-7 슈퍼 비상누름버튼 스위치 Super Emergency Push Button Switch

• 形式 區分圖 - Type classification diagram



• 性能 概要 - Performance summary

定格容量 (Rating capacity)	AC250V 6A
絶縁抵抗 (Insulation resistance)	above 100MΩ (DC 500V, Meg)
接觸抵抗 (Contact resistance)	below 20mΩ (initial value)
耐電壓 (Withstand voltage)	AC2,500V/min(50~60Hz)
機械的壽命 (Mechanical lifetime)	above 500,000 times (20times/min)
電氣的壽命 (Electrical lifetime)	above 100,000 times (20times/min)
작동에 필요한 힘 (Operating force)	200 ~ 350g
使用周圍溫度 (Ambient temperature)	-25℃ ~ +40℃
相對濕度 (Relative humidity)	45 ~ 85%

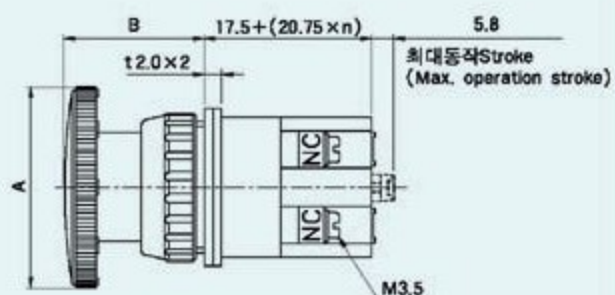
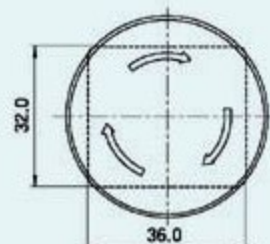
• 接点定格 - Contact Rating

接点部の仕様 Contact part spec.	交流 (AC)	定格電壓 (rating voltage)		125V	250V	440V
		定格電流 (rating current)		10	6A	3A
		遮斷電流 (breaking current)		閉路遮斷電流=定格電流×2.2 (closed breaking current=rating current×2.2)		
	直流 (DC)	定格電壓 (rating voltage)		24V	110V	220V
		抵抗 (resistance)	定格電流 (rating current)	10A	2.2A	1.1A
			遮斷電流 (breaking current)	閉路遮斷電流=定格電流×1.1 (closed breaking current=rating current×1.1)		
		誘導 (induction)	定格電流 (rating current)	5A	1.1A	0.6A
			遮斷電流 (breaking current)	閉路遮斷電流=定格電流×1.1 (closed breaking current=rating current×1.1)		
		定格通電電流 (rating conductive current)			10A	

● 外形/値數圖 - Shape/Dimension Drawing

(unit : mm)

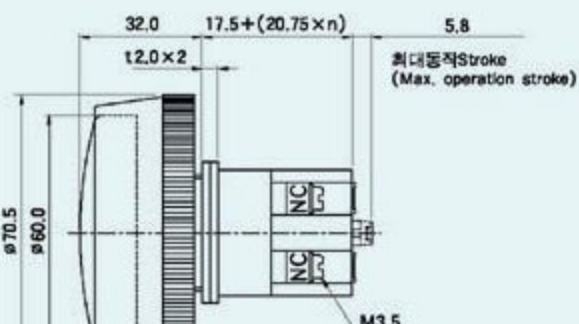
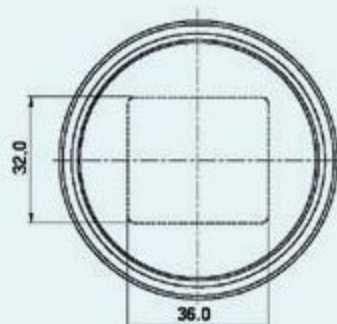
Push lock & Turn Reset Type



	A	B
SEP 323	φ42.0	31.9
SEP 334	φ46.0	33.1

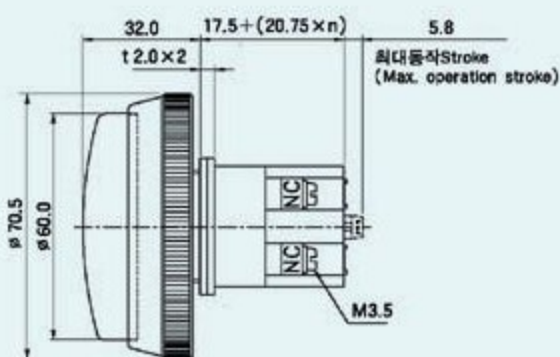
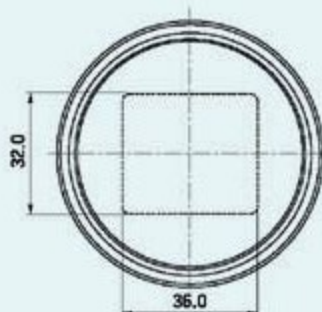
n=unit block number

Ø71(CAP)



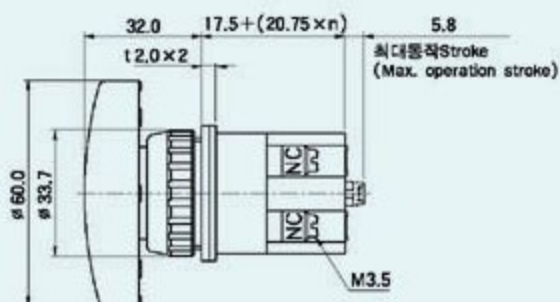
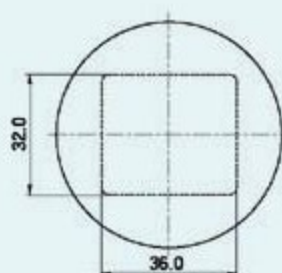
n=unit block number

Ø71(CAP 돌출형)



n=unit block number

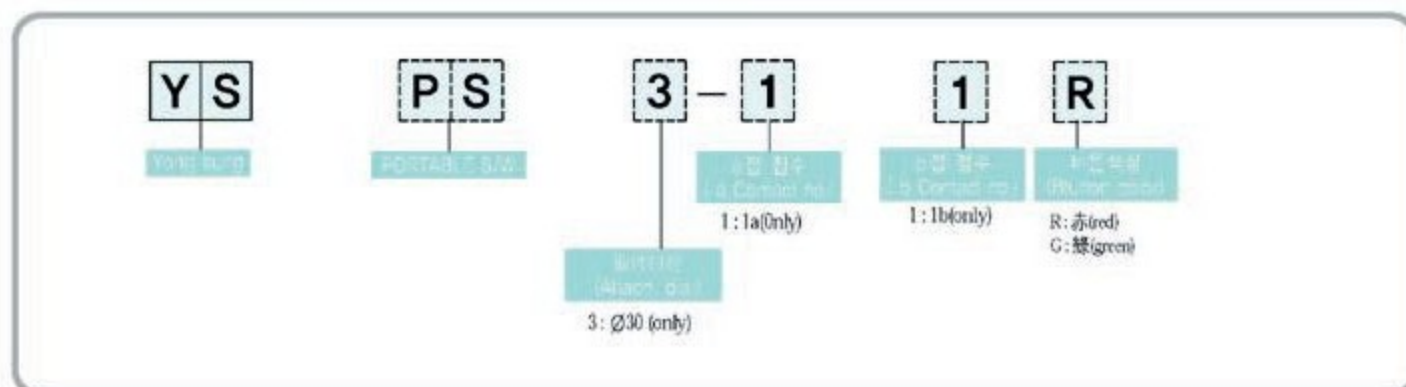
Ø60(CAP)



n=unit block number

5-8 포터블 스위치 Portable Switch

• 形式 區分圖 - Type classification diagram



• 性能 概要 - Performance summary

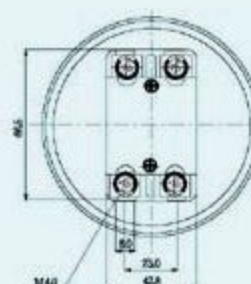
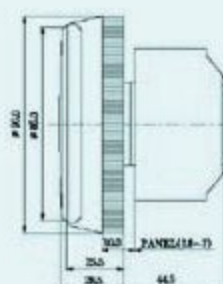
定格容量 (Rating capacity)	AC250V 6A
絶縁抵抗 (Insulation resistance)	above 100MΩ (DC 500V, Meg)
接觸抵抗 (Contact resistance)	below 20mΩ (initial value)
耐電壓 (Withstand voltage)	AC2,500V/m
機械的壽命 (Mechanical lifetime)	above 250,000 times (20times/min)
電氣的壽命 (Electrical lifetime)	above 100,000 times (20times/min)
使用周圍溫度 (Ambient temperature)	-25℃ ~ +40℃
相對濕度 (Relative humidity)	45 ~ 85%

• 部品 材質 - Part Materials

部 品 (Part)	材 質 (Materials)
몸 체 (Body)	ABS resin
接 点 (Contact)	은산화 Cadmium 합금 (Silver-cadmium oxide alloy)
端 子 (Terminal)	黃 銅 (Brass)
버 튠 (Button)	ABS Resin
링 (Ring)	Zn (Diecasting)
스프링 (Spring)	Carbon Steel

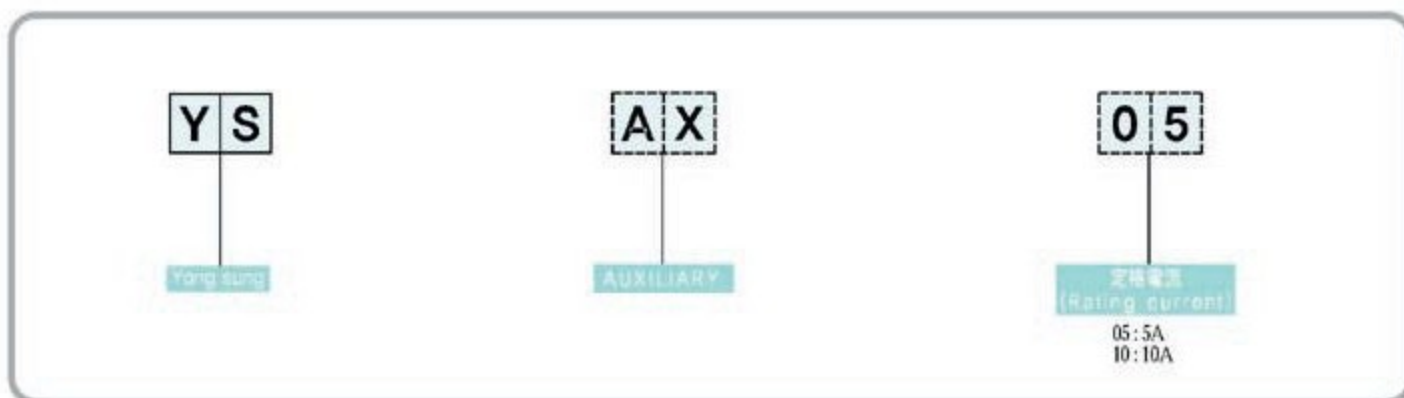
• 外形/值數圖 - Shape/Dimension Drawing

(unit : mm)



5-9 보조 스위치 Auxiliary Switch

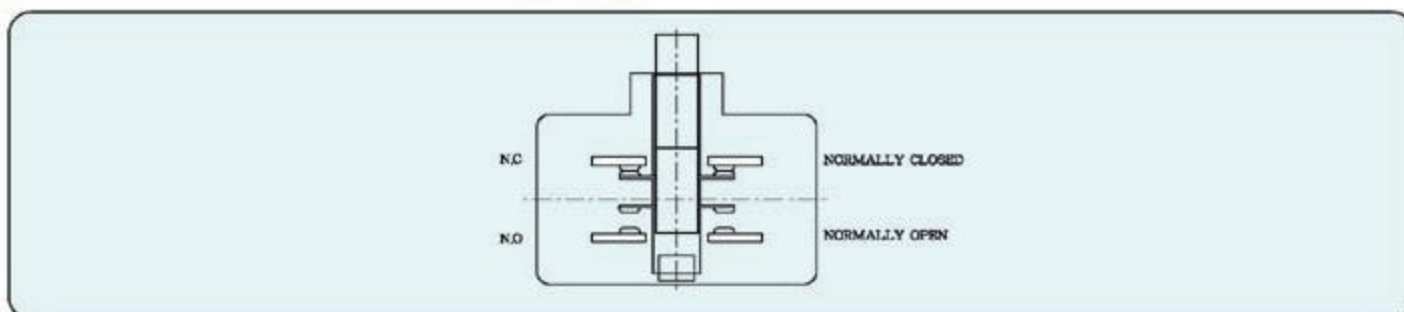
• 形式 區分圖 - Type classification diagram



• 特徵 - Features

- 소형 5A용 보조스위치는 누름형으로 다목적으로 사용할 수 있게 제작되어 편리합니다.
- 폭이 좁고 외형이 작아서 단독부착 뿐 아니라 단열로 수개를 부착하여 사용할 수 있게 제작되어 있습니다.
- 각종 차단기에도 사용하며 자동제어기기, 기계, 일반용으로 사용하기에 편리합니다.
- Mini 5A type auxiliary switch is manufactured as push type and convenient for multi-purpose.
- With narrow width and small shape, multiple attachments as well as single one can be made.
- Applied to various breaker. It is also conveniently used for automatic controller, machines and general purpose.

• 接点 構成圖 - Contact form diagram



• 性能 概要 - Performance summary

定格容量 (Rating capacity)	AC250V 5A	AC250V 10A
絶緣抵抗 (Insulation resistance)	above 100MΩ (DC 500V. Meg)	
接觸抵抗 (Contact resistance)	below 25mΩ (initial value)	
耐振動 (Withstand vibration)	double amplitude 1.5mm	
耐衝擊 (Withstand impact)	about 30G (300m/s ²)	
耐電壓 (Withstand voltage)	AC1,500V/min	
機械的壽命 (Mechanical lifetime)	above 1,000,000 times (20times/min)	
電氣的壽命 (Electrical lifetime)	above 500,000 times (20times/min)	
使用周圍溫度 (Ambient temperature)	-25℃ ~ +40℃	
相對濕度 (Relative humidity)	45 ~ 85%	

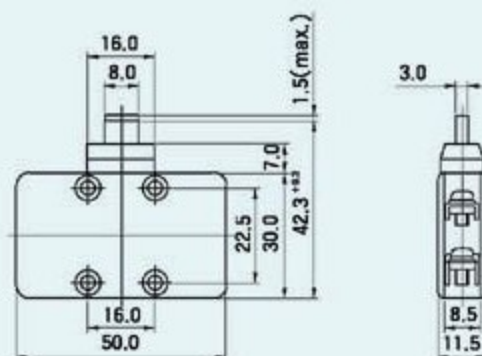
● 部品 材質 - Part Materials

部 品 (Part)	材 質 (Materials)	
	5A	10A
몸 체 (Body)	PBT수지	페놀수지
유 동 (Moving)	아세탈수지	페놀수지
端 子 (Terminal)	黃 銅 (Brass)	
接 点 (Contact)	은접점 (Silver)	은산화 카드뮴합금 (Silver-cadmium oxide alloy)
볼 트 (Bolt)	MSWR-3 (Zn plating)	
스프링 (Spring)	Stainless 鋼 (Stainless steel)	

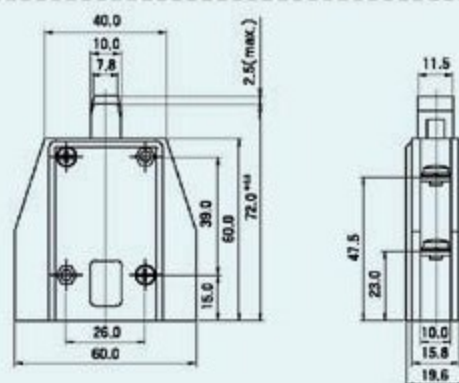
● 外形/値數圖 - Shape/Dimension Drawing

(unit : mm)

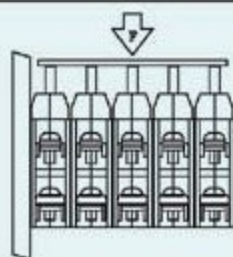
5A



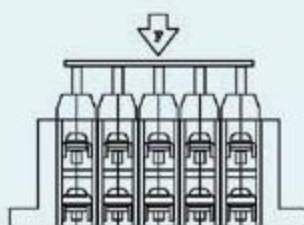
10A



● 使用法の 보기 - Example of using method



어느 한곳의 측면을 사용하여 수개를 부착하여 회로를 開(OFF)閉(ON)하는 장치의 보기
Example of ON/OFF operation of circuit with several attachment using any one side



위치를 선정하여 앵글사용으로 수개를 부착하여 회로를 開(OFF)閉(ON)하는 장치의 보기
Example of ON/OFF operation of circuit with several attachment using angle after positioning



Door에 使用한 예. 문을 열고 닫을 때 회로를 開(OFF)閉(ON)하는 장치의 보기
Example applied to door. Example of ON/OFF operation of circuit in opening/closing door