

The invisible hand for more convenient world

Autonics sensors & controllers

Autonics
Sensors & Controllers

Autonics Control Switches / Buzzers / Sockets

Control Switches Buzzers Sockets



Autonics Control Switches,
Feel the difference
in your **fingertips**

Control switches

■ Push button switches



■ Push button switches(Illuminated)



■ Selector switches



■ Double push button switches



■ Start push button switches



■ Emergency switches



Buzzers / Sockets / Digital switches

■ Pilot lamps



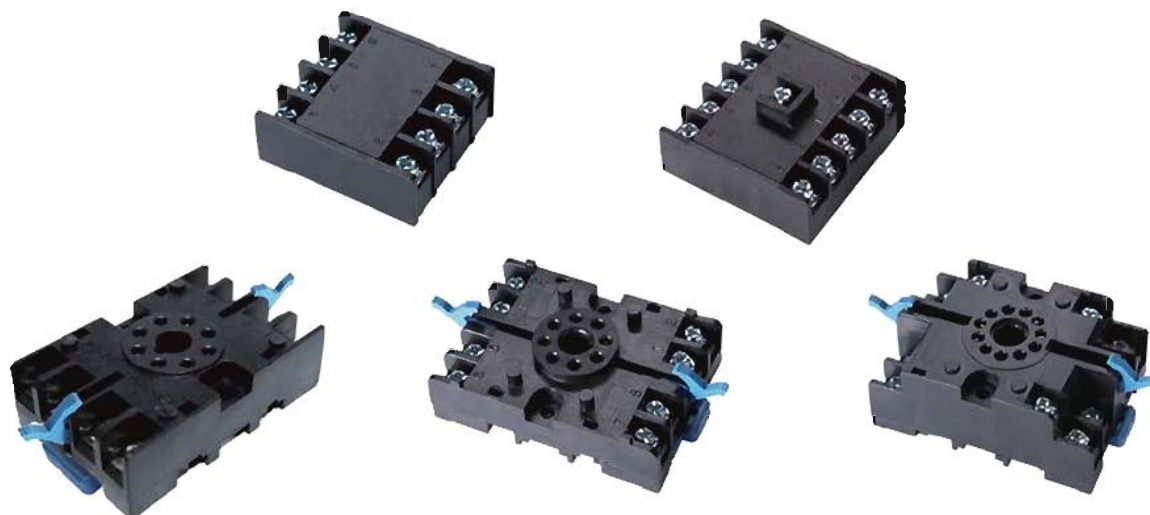
■ Piezo buzzers



■ Magnetic buzzers



■ Sockets



■ Digital switches



■ Control switches

		Non-Flush	Flush	Page	
Push button switches		Ø22/25		06	
		Ø30	Ø30		
Push button switches(Illuminated)		Ø22/25		08	
			Ø30		
Selector switches	Short lever	Ø22/25		10	
			Ø30		
Long lever		Ø22/25			
			Ø30		
Double push button switches		Ø22/25		12	
Start push button switches	Head D40	Ø22/25		13	
Emergency switches	Head D30L	Ø22/25		14	
		Head D30S	Ø22/25		
		Head D40	Ø22/25		
		Head D60	Ø22/25		
Emergency switches(Illuminated)	Head D40	Ø22/25		16	
DOME TYPE		HORN TYPE	FLAT TYPE	FLAT TYPE (Non-Flush)	Page
Pilot lamps	Ø22/25	Ø22/25	Ø22/25		17
				Ø30	
Accessory	Switches contact block, Flush mount adaptor, Switch boxes, Emergency switch nameplates, Emergency switch protective shroud, Waterproof cap, Locking ring wrench				20

■ Buzzers

	Non-Flush	Page
Magnetic buzzers	Ø22/25	24
Piezo buzzers	Ø22/25	24
	Ø30	

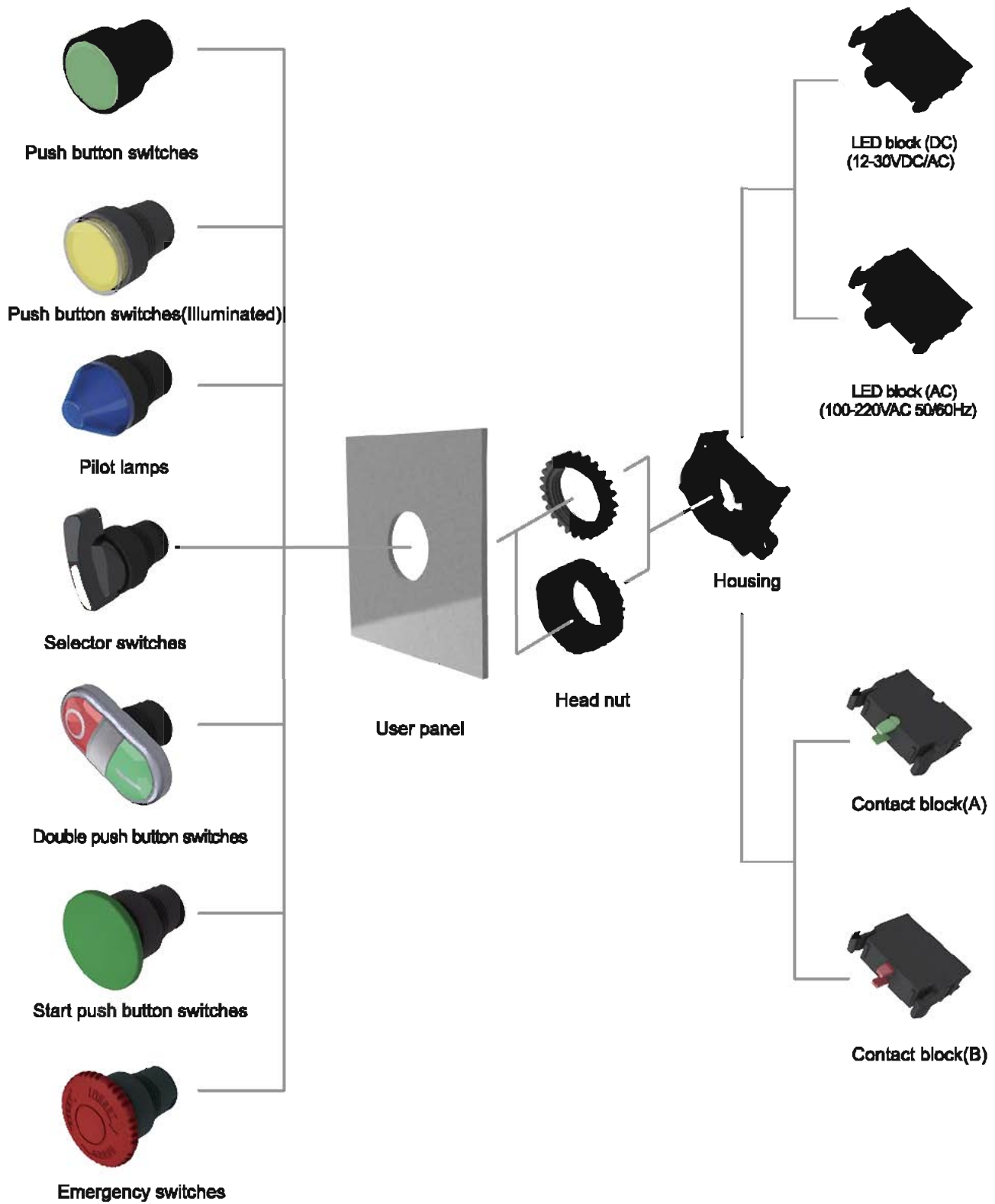
■ Sockets

PG-08	PG-11	PS-08	PS-11	PS-M8	25
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■ Digital switches

AD105-I,B	AD604-I,B	AD605-I,B	29
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Control switches



Control switches series

Items	Push button switches			Push button switches(Illuminated)		Double push button switches	Start push button switches
	Non-Flush Ø22 / 25 S2PR - P1	Non-Flush Ø30 S3PR - P1	Flush Ø30 S3PF - P1	Non-Flush Ø22 / 25 S2PR - P3	Flush Ø30 S3PF - P3	Non-Flush Ø22 / 25 S2TR - P3	Non-Flush Ø22 / 25 S2BR - P1
Mounting hole dimension							
Model							
Appearance							
Page	06	07	07	08	08	12	13
Items	Selector switches, Non-Flush			Selector switches, Non-Flush			
	Short lever Ø22 / 25 S2SR - S3,5,7		Long lever Ø22 / 25 S2SR - S4,6,8	Short lever Ø30 S3SF - S3,5,7		Long lever Ø30 S3SF - S4,6,8	
Mounting hole dimension							
Model							
Appearance							
Page	10		10	11		11	
Items	Ø30 Emergency switches		Ø40 Emergency switches		Ø60 Emergency switches		
	Large Head Ø22 / 25 S2ER - E1	Small Head Ø22 / 25 S2ER - E2	Non-Illuminated Ø22 / 25 S2ER - E3	Illuminated Ø22 / 25 S2ER - E4	Non-Illuminated Ø22 / 25 S2ER - E5		
Mounting hole dimension							
Model							
Appearance							
Page	14	15	15	16	16		
Items	Dome type / Horn type / Flat type pilot lamps						
	Dome type, Non-Flush Ø22 / 25 L2RR - L1	Horn type, Non-Flush Ø22 / 25 L2RR - L2	Flat type, Non-Flush Ø22 / 25 L2RR - L3	Flat type, Flush Ø30 L3RF - L3			
Mounting hole dimension							
Model							
Appearance							
Page	17	18	18	18			

Specifications

Mechanical characteristics	Actuating travel	5.5mm (0 ~ -0.5)
	Actuating force	4.9N (0.5Kgf) (at 1 contact)
	Shock	Shock resistance 500m/s ² (50G) In each of x,y,z directions for 3 times
		Mechanical malfunction 100m/s ² (10G) In each of x,y,z directions for 3 times
	Vibration	Vibration resistance 1.5mm amplitude at frequency of 10~55Hz(for 1 minute) in each of x,y,z directions for 2 hours
		Mechanical malfunction 1.5mm amplitude at frequency of 10~55Hz(for 1 minute) In each of x,y,z directions for 10 minutes
Electrical characteristics	Mechanical life time	Min. 1000 thousand (20 times/min)
	Rated voltage/current	110VAC/10A, 220VAC/5A
	Dielectric strength	2000VAC 50/60Hz For 1 minute
	Insulation resistance	Min.100MΩ (at 500VDC)
	Contact resistance	Max.20mΩ (Initial value)
LED block	Electric life cycle	Min. 1000 thousand (20 times/min)
	Rated voltage	DC type : 12-30VAC/DC, AC type : 100-220VAC
	Power consumption	Max. 20mA
	Ambient temperature	-15 ~ 55℃ (at non-freezing status)
	Ambient humidity	35 ~ 85%RH
Environmental characteristics	Storage temperature	-25 ~ 85℃ (at non-freezing status)
	Protection degree	IP52 (IP 50 for Double push button switch)
Approval	   (Emergency switches is  process of certification)	



Push button switches

S	2	PR	-	P1	R	A	D
①	②	③		④	⑤	⑥	⑦

Classification	Ordering Information							Description
	①	②	③	-	④	⑤	⑥	⑦
Model	S							Control Switches
Dimension		2 3						Ø22/25 Ø30
Appearance			PR PF					Push button switches (Non-Flush) Push button switches (Flush)
Operation				P1 P3				Auto spring return (Non-Illuminated) Auto spring return (Illuminated)
Color					R B G Y K W			RED BLUE GREEN YELLOW BLACK (Available for Non-Illuminated type only) WHITE (Available for Illuminated type only)
Contact / LED block						A		A (Normal open) 110VAC/10A, 220VAC/5A
						B		B (Normal close) 110VAC/10A, 220VAC/5A
						D		LED 12-30VDC/AC
						L		LED 100-220VAC



Ø22/25 Push button switches(Non-Flush)



Model	Contacts	
	A contact	B contact
S2PR - P1□A	1EA	
※ - ※ □2A	2EA	
※ - ※ □3A	3EA	
※ - ※ □B		1EA
※ - ※ □2B		2EA
※ - ※ □3B		3EA
※ - ※ □AB	1EA	1EA
※ - ※ □2AB	2EA	1EA
※ - ※ □A2B	1EA	2EA

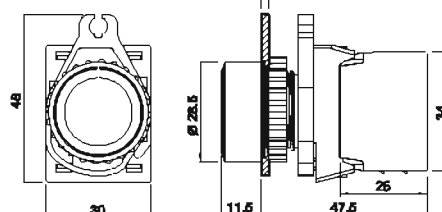
※ Represents colors □ : R, B, G, Y, K



- Easy assembly and removal by one touch
- Mounting hole layout : Ø22.5 / 25.5mm
- Waterproof cap available (SA-WP)

Dimension (Unit:mm)

Panel T= Max. 4mm





● Ø30 Push button switches (Non-Flush)

launching soon

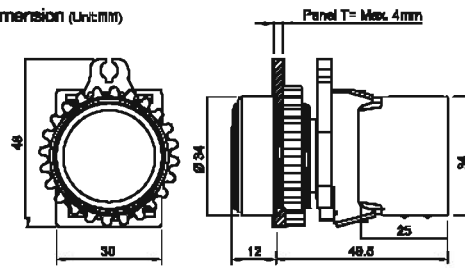


Model	Contacts	
	A contact	B contact
S3PR - P1□A	1EA	
" - " □2A	2EA	
" - " □3A	3EA	
" - " □B		1EA
" - " □2B		2EA
" - " □3B		3EA
" - " □AB	1EA	1EA
" - " □2AB	2EA	1EA
" - " □A2B	1EA	2EA

* Represents colors □ : R, B, G, Y, K

- Simple and elegant design
- Mounting hole layout : Ø30.5mm

Dimension (Unit:mm)



Ø30 Push button switches (Flush)

launching soon

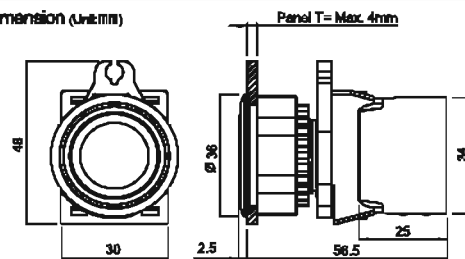


Model	Contacts	
	A contact	B contact
S3PF - P1□A	1EA	
" - " □2A	2EA	
" - " □3A	3EA	
" - " □B		1EA
" - " □2B		2EA
" - " □3B		3EA
" - " □AB	1EA	1EA
" - " □2AB	2EA	1EA
" - " □A2B	1EA	2EA

* Represents colors □ : R, B, G, Y, K

- Realizing 2.5mm non-flushed panel thickness
- Mounting hole layout : Ø30.5mm

Dimension (Unit:mm)



Push button switches

Push button switches (Illuminated)

Selector switches

Double push button switches

Start push button switches

Emergency switches

Emergency switches (Illuminated)

Pilot lamps

Accessory

Magnetic buzzers

Piezo buzzers

Sockets

Digital switches



Push button switches (Illuminated)

● Ø22/25 Push button switches (Illuminated / Non-Flush)

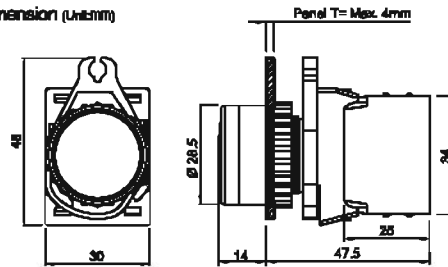


Model	Contacts		LED	
	A contact	B contact	DC type	AC type
S2PR - P3□AD	1EA		1EA	
□ - □ □2AD	2EA		1EA	
□ - □ □BD		1EA	1EA	
□ - □ □2BD		2EA	1EA	
□ - □ □ABD	1EA	1EA	1EA	
□ - □ □AL	1EA			1EA
□ - □ □2AL	2EA			1EA
□ - □ □BL		1EA		1EA
□ - □ □2BL		2EA		1EA
□ - □ □ABL	1EA	1EA		1EA

※ Represents colors □ : R, B, G, Y, W
● ● ● ● ○

- Simple and elegant design
- Mounting hole layout : Ø22.5 / 25.5mm
- Mounting hole layout (SA - WL)

Dimension (Unit:mm)



● Ø30 Push button switches (Illuminated / Flush)

launching soon

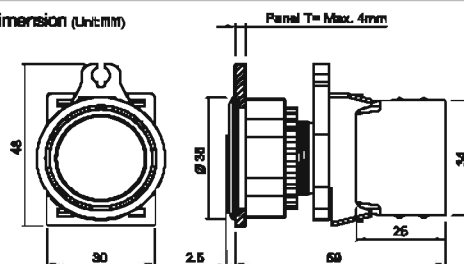


Model	Contacts		LED	
	A contact	B contact	DC type	AC type
S3PF - P3□AD	1EA		1EA	
□ - □ □2AD	2EA		1EA	
□ - □ □BD		1EA	1EA	
□ - □ □2BD		2EA	1EA	
□ - □ □ABD	1EA	1EA	1EA	
□ - □ □AL	1EA			1EA
□ - □ □2AL	2EA			1EA
□ - □ □BL		1EA		1EA
□ - □ □2BL		2EA		1EA
□ - □ □ABL	1EA	1EA		1EA

※ Represents colors □ : R, B, G, Y, W
● ● ● ● ○

- Realizing 2.5mm flushed panel thickness
- Mounting hole layout : Ø30.5mm

Dimension (Unit:mm)



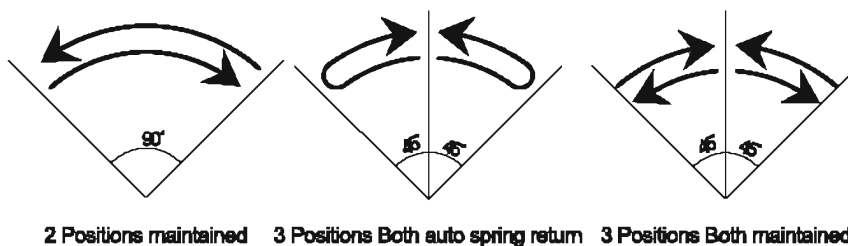


S	2	SR	-	S7	W	A
①	②	③		④	⑤	⑥

Classification	Ordering Information						Description
	①	②	③	-	④	⑤	⑥
Model	S						Control Switches
Dimension	2						Ø22/25
	3						Ø30
Appearance			SR				Selector Switches (Non-Flush)
			SF				Selector Switches (Flush)
Operation					S3		2 Positions maintained (Short lever)
					S4		2 Positions maintained (Long lever)
					S5		3 Positions Both auto spring return (Short lever)
					S6		3 Positions Both auto spring return (Long lever)
					S7		3 Positions Both maintained (Short lever)
					S8		3 Positions Both maintained (Long lever)
Color					R		RED
					W		WHITE
Contact					A		A (Normal Open) 110VAC/10A, 220VAC/5A
					B		B (Normal Close) 110VAC/10A, 220VAC/5A



<< Operation description >>



Push
button
switches

Push
button
switches
(Illuminated)

Selector
switches

Double
push
button
switches

Start
push
button
switches

Emergency
switches

Emergency
switches
(Illuminated)

Pilot
lamps

Accessory

Magnetic
buzzers

Piezo
buzzers

Sockets

Digital
switches

Ø22/25 Short lever selector switches (Non-Flush)

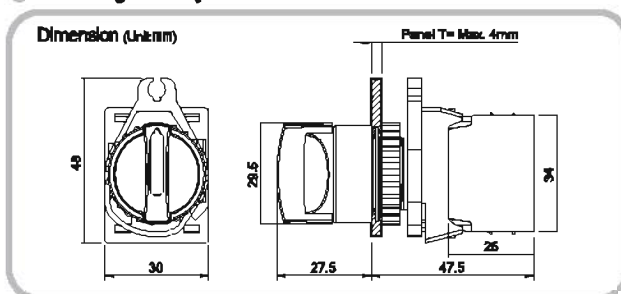


Ø22/25 Long lever selector switches (Non-Flush)



	Model		Model			Model		Contacts	
			A contact	B contact				A contact	B contact
2 Positions maintained	S2SR - S3□A	1EA			3 Positions both maintained	S2SR - S7□2A	2EA		
	■ - ■ □2A	2EA				■ - ■ □3A	3EA		
	■ - ■ □B		1EA			■ - ■ □2B		2EA	
	■ - ■ □2B		2EA			■ - ■ □3B		3EA	
	■ - ■ □AB	1EA	1EA			■ - ■ □AB	1EA	1EA	
3 Positions both auto spring return	S2SR - S5□2A	2EA			■ - ■ □2AB	2EA	1EA		
	■ - ■ □3A	3EA			■ - ■ □A2B	1EA	2EA		
	■ - ■ □2B		2EA		※ Represents colors □ : W, R ○ (white) ● (red)				
	■ - ■ □3B		3EA						
	■ - ■ □AB	1EA	1EA						
	■ - ■ □2AB	2EA	1EA						
	■ - ■ □A2B	1EA	2EA		2 Positions 3 Positions both auto 3 Positions both maintained(S3) spring return(S5) maintained(S5)				

- **Smooth and Swift switch operation**
- **Mounting hole layout : Ø22.5 / 25.5mm**



	Model		Contacts	
	A contact	B contact	A contact	B contact
2 Positions maintained	S2SR - S4□A	1EA		
	■ - ■ □2A	2EA		
	■ - ■ □B		1EA	
	■ - ■ □2B		2EA	
	■ - ■ □AB	1EA	1EA	
3 Positions both auto spring return	S2SR - S6□2A	2EA		
	■ - ■ □3A	3EA		
	■ - ■ □2B		2EA	
	■ - ■ □3B		3EA	
	■ - ■ □AB	1EA	1EA	
	■ - ■ □2AB	2EA	1EA	
	■ - ■ □A2B	1EA	2EA	

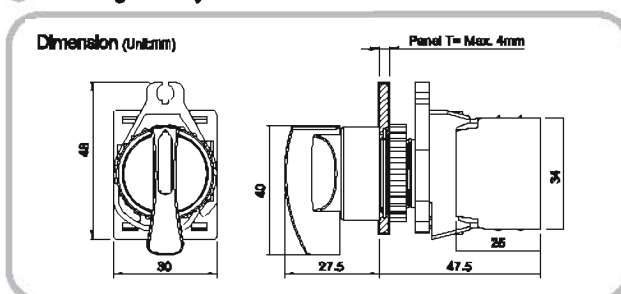
※ Represents colors □ : W, R

2 Positions maintained (S4)

3 Positions both auto spring return (S6)

3 Positions both maintained (S8)

- Smooth and Swift switch operation
- Mounting hole layout : Ø22.5 / 25.5mm



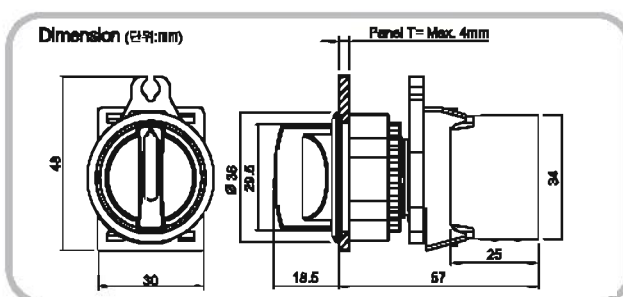


● Ø30 Short lever selector switches (Flush)



	Model	Contacts			Model	Contacts	
		A contact	B contact			A contact	B contact
2 Positions maintained	S3SF - S3□A	1EA		3 Positions both maintained	S3SF - S7□2A	2EA	
	" - " □2A	2EA			" - " □3A	3EA	
	" - " □B		1EA		" - " □2B		2EA
	" - " □2B		2EA		" - " □3B		3EA
	" - " □AB	1EA	1EA		" - " □AB	1EA	1EA
3 Positions both auto spring return	S3SF - S5□2A	2EA			" - " □2AB	2EA	1EA
	" - " □3A	3EA			" - " □A2B	1EA	2EA
	" - " □2B		2EA	* Represents colors □ : W, R			
	" - " □3B		3EA				
	" - " □AB	1EA	1EA				
	" - " □2AB	2EA	1EA				
	" - " □A2B	1EA	2EA				

- Simple and elegant design
- Mounting hole layout : Ø30.5mm

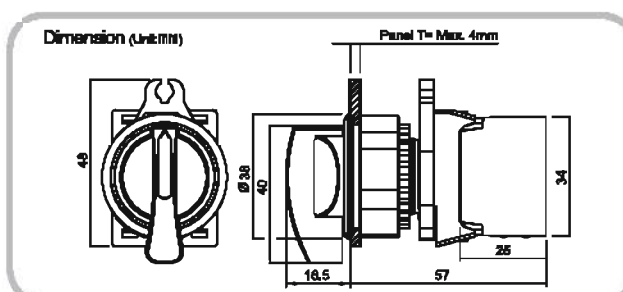


● Ø30 Long lever selector switches (Flush)



	Model	Contacts			Model	Contacts	
		A contact	B contact			A contact	B contact
2 Positions maintained	S3SF - S4□A	1EA		3 Positions both maintained	S3SF - S8□2A	2EA	
	" - " □2A	2EA			" - " □3A	3EA	
	" - " □B		1EA		" - " □2B		2EA
	" - " □2B		2EA		" - " □3B		3EA
	" - " □AB	1EA	1EA		" - " □AB	1EA	1EA
3 Positions both auto spring return	S3SF - S6□2A	2EA			" - " □2AB	2EA	1EA
	" - " □3A	3EA			" - " □A2B	1EA	2EA
	" - " □2B		2EA	* Represents colors □ : W, R			
	" - " □3B		3EA				
	" - " □AB	1EA	1EA				
	" - " □2AB	2EA	1EA				
	" - " □A2B	1EA	2EA				

- Simple and elegant design
- Mounting hole layout : Ø30.5mm



Push button switches

Push button switches (Illuminated)

Selector switches

Double push button switches

Start push button switches

Emergency switches

Emergency switches (Illuminated)

Pilot lamps

Accessory

Magnetic buzzers

Piezo buzzers

Sockets

Digital switches



Double push button switches

S	2	TR	-	P3	W	AB	D
①	②	③		④	⑤	⑥	⑦

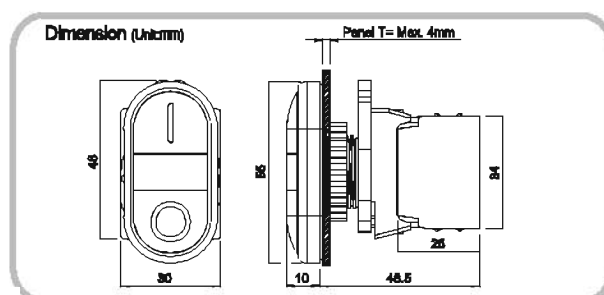
Classification	Ordering Information							Description
	①	②	③	-	④	⑤	⑥	⑦
Model	S							Control Switches
Dimension		2						Ø22/25
Appearance			TR					Double push button switches
Operation				P3				Spring return type, Illuminated
Color					W			WHITE
Contact / LED Block						A		A (Normal Open) 110VAC/10A, 220VAC/5A
						B		B (Normal Close) 110VAC/10A, 220VAC/5A
							D	LED 12-30VDC/AC
							L	LED 100-220VAC

Ø22/25 Double push button switches (Non-Flush)



Model	Contacts		LED	
	A contact	B contact	DC type	AC type
S2TR - P3WABD	1EA	1EA	1EA	
S2TR - P3WABL	1EA	1EA		1EA

- Soft streamlined design
- Mounting hole layout : Ø22.5 / 25.5mm





Push button switches

Push button switches (Illuminated)

Selector switches

Double push button switches

Start push button switches

Emergency switches

Emergency switches (Illuminated)

Pilot lamps

Accessory

Magnetic buzzers

Piezo buzzers

Sockets

Digital switches

S **2** **BR** - **P1** **G** **A**
① ② ③ ④ ⑤ ⑥

Classification	Ordering Information						Description
	①	②	③	-	④	⑤ ⑥	
Model	S						Control Switches
Dimension	2						Ø22/25
Appearance			BR				Start push button Switches
Operation				P1			Spring return type, Illuminated
Color					G		GREEN
					R		RED
Contact					A		A (Normal Open) 110VAC/10A, 220VAC/5A
					B		B (Normal Close) 110VAC/10A, 220VAC/5A

● ØStart push button switches (Non-Flush)

launching soon



Model	Contacts	
	A contact	B contact
S2BR - P1□A	1EA	
" - " □2A	2EA	
" - " □3A	3EA	
" - " □B		1EA
" - " □2B		2EA
" - " □3B		3EA
" - " □AB	1EA	1EA
" - " □2AB	2EA	1EA
" - " □A2B	1EA	2EA

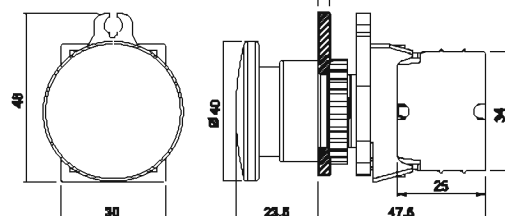
* Represents colors □ : R, G



- Mushroom-head shaped design
- Mounting hole layout : Ø22.5 / 25.5mm

Dimension (Unit:mm)

Panel T= Max. 4mm





S	2	ER	-	E1	R	B	D
①	②	③		④	⑤	⑥	⑦

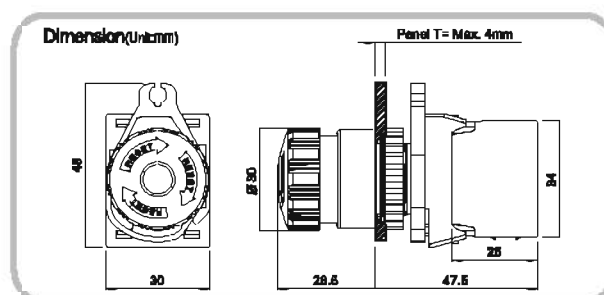
Classification	Ordering information							Description
Model	S							Control switches
Dimension	2							Ø22/25
Appearance		ER						Emergency switches
Operation				E1				Head Ø30(L) Push-Lock, Turn-Reset
				E2				Head Ø30(S) Push-Lock, Turn-Reset
				E3				Head Ø40 Push-Lock, Turn-Reset
				E4				Head Ø40 Push-Lock, Turn-Reset(Illuminated)
				E5				Head Ø60 Push-Lock, Turn-Reset
Color					R			RED
Contact / LED Block						A		A (Normal Open) 110VAC/10A, 220VAC/5A
						B		B (Normal Close) 110VAC/10A, 220VAC/5A
						D		LED 12-30VDC/AC
						L		LED 100-220VAC

Ø22/25 Head D30L Emergency switches (Non-Flush)



Model	Contacts	
	A contact	B contact
S2ER - E1RA	1EA	
" - " 2A	2EA	
" - " 3A	3EA	
" - " B		1EA
" - " 2B		2EA
" - " 3B		3EA
" - " AB	1EA	1EA
" - " 2AB	2EA	1EA
" - " A2B	1EA	2EA

- Space-saving design
- Mounting hole layout : Ø22.5 / 25.5mm
- PUSH LOCK & TURN RESET





Ø22/25 Head D30S Emergency switches (Non-Flush)

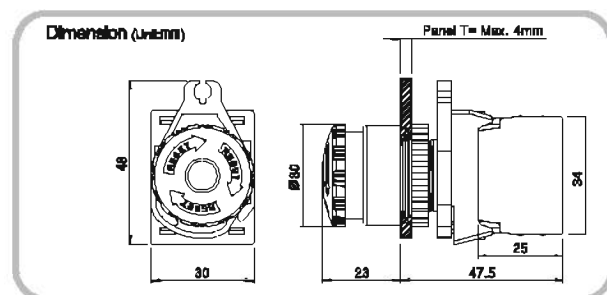


Ø22/25 Head D40 Emergency switches (Non-Flush)



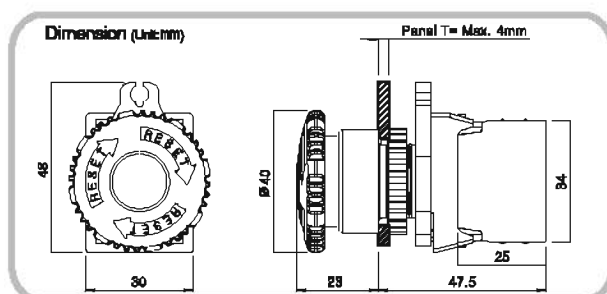
Model	Contacts	
	A contact	B contact
S2ER - E2RA	1EA	
# - # 2A	2EA	
# - # 3A	3EA	
# - # B		1EA
# - # 2B		2EA
# - # 3B		3EA
# - # AB	1EA	1EA
# - # 2AB	2EA	1EA
# - # A2B	1EA	2EA

- Space-saving design
- Mounting hole layout : Ø22.5 / 25.5mm
- PUSH LOCK & TURN RESET



Model	Contacts	
	A contact	B contact
S2ER - E3RA	1EA	
# - # 2A	2EA	
# - # 3A	3EA	
# - # B		1EA
# - # 2B		2EA
# - # 3B		3EA
# - # AB	1EA	1EA
# - # 2AB	2EA	1EA
# - # A2B	1EA	2EA

- Simple and elegant design
- Mounting hole layout : Ø22.5 / 25.5mm
- PUSH LOCK & TURN RESET



Push button switches

Push button switches (Illuminated)

Selector switches

Double push button switches

Start push button switches

Emergency switches

Emergency switches (Illuminated)

Pilot lamps

Accessory

Magnetic buzzers

Piezo buzzers

Sockets

Digital switches



Emergency switches

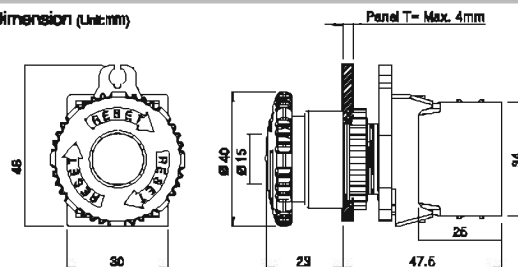
Ø22/25 Head D40 Emergency switches (Illuminated Non-Flush)



Model	Contacts		LED	
	A contact	B contact	DC type	AC type
S2ER - E4RAD	1EA		1EA	
" - " 2AD	2EA		1EA	
" - " BD		1EA	1EA	
" - " 2BD		2EA	1EA	
" - " ABD	1EA	1EA	1EA	
" - " AL	1EA			1EA
" - " 2AL	2EA			1EA
" - " BL		1EA		1EA
" - " 2BL		2EA		1EA
" - " ABL	1EA	1EA		1EA

- Improved visibility with high luminance LED
- Mounting hole layout : Ø22.5 / 25.5mm
- PUSH LOCK & TURN RESET

Dimension (Unit:mm)



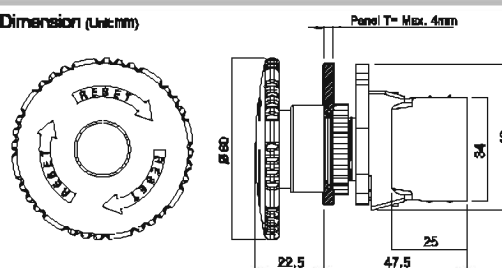
Ø22/25 Head D60 Emergency Switches (Non-Flush)



Model	Contacts	
	A contact	B contact
S2ER - E5RA	1EA	
" - " 2A	2EA	
" - " 3A	3EA	
" - " B		1EA
" - " 2B		2EA
" - " 3B		3EA
" - " AB	1EA	1EA
" - " 2AB	2EA	1EA
" - " A2B	1EA	2EA

- Increasing user convenience with large size head (Ø60)
- Mounting hole layout : Ø22.5 / 25.5mm
- PUSH LOCK & TURN RESET

Dimension (Unit:mm)





Push
button
switches

Push
button
switches
(Illuminated)

Selector
switches

Double
push
button
switches

Start
push
button
switches

Emergency
switches

Emergency
switches
(Illuminated)

Pilot
lamps

Accessory

Magnetic
buzzers

Piezo
buzzers

Sockets

Digital
switches

L	2	RR	-	L2	R	D
①	②	③		④	⑤	⑥

Classification	Ordering Information						Description
Model	L						Pilot lamps
Dimension	2						Ø22/25
	3						Ø30
Appearance		RR					Round pilot lamps (Non-Flush)
		RF					Round pilot lamps (Flush)
Head type				L1			DOME HEAD
				L2			HORN HEAD
				L3			FLAT HEAD
Color				R			RED
				B			BLUE
				G			GREEN
				Y			YELLOW
				W			WHITE
Contact					D		LED 12-30VDC/AC
					L		LED 100-220VAC



Ø22/25 DOME TYPE Pilot lamps (Non-Flush)



Model	LED	
	DC type	AC type
L2RR - L1□D	1EA	
* - * □L		1EA

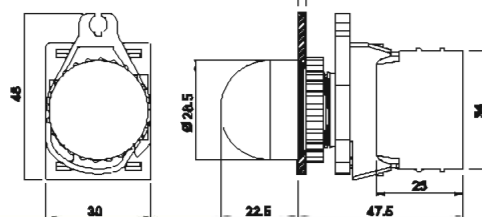
* Represents colors □ : R, B, G, Y, W



- Improved visibility with high luminance LED
- Mounting hole layout : Ø22.5 / 25.5mm

Dimension (Unit:mm)

Panel T= Max. 4mm





Ø22/25 HORN TYPE Pilot lamps (Non-Flush)

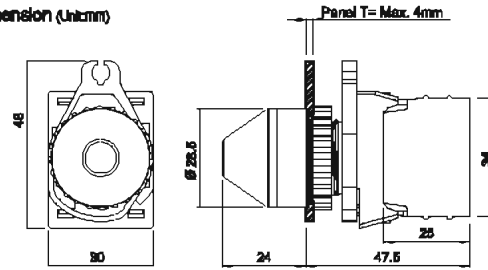


Model	LED	
	DC type	AC type
L2RR - L2□D	1EA	
" - " □L		1EA

※ Represents colors □: R, B, G, Y, W

- Improved visibility with high luminance LED
- Mounting hole layout : Ø22.5 / 25.5mm

Dimension (Unit:mm)



Ø22/25 FLAT TYPE Pilot lamps (Non-Flush)

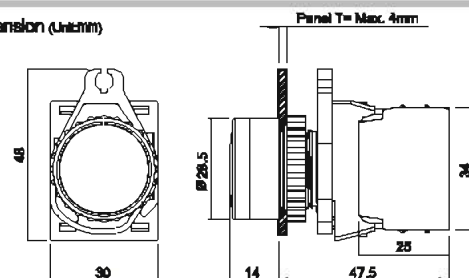


Model	LED	
	DC type	AC type
L2RR - L3□D	1EA	
" - " □L		1EA

※ Represents colors □: R, B, G, Y, W

- Simple and elegant design
- Mounting hole layout : Ø22.5 / 25.5mm

Dimension (Unit:mm)





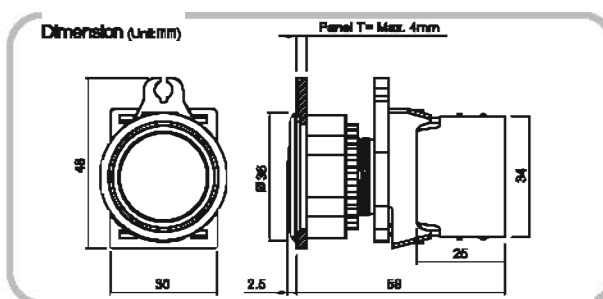
Ø30 FLAT TYPE Pilot lamps(Flush)



Model	LED	
	DC type	AC type
L3RF - L3□D	1EA	
□ - □ □L		1EA

* Represents colors □: R, B, G, Y, W
● ● ● ● ●

- Realizing 2.5mm non-flushed panel thickness
- Mounting hole layout : Ø30.5mm



< Memo >

Push
button
switches

Push
button
switches
(Illuminated)

Selector
switches

Double
push
button
switches

Start
push
button
switches

Emergency
switches

Emergency
switches
(Illuminated)

**Pilot
lamps**

Accessory

Magnetic
buzzers

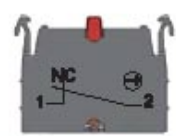
Plezo
buzzers

Sockets

Digital
switches

● **Switches contact block**

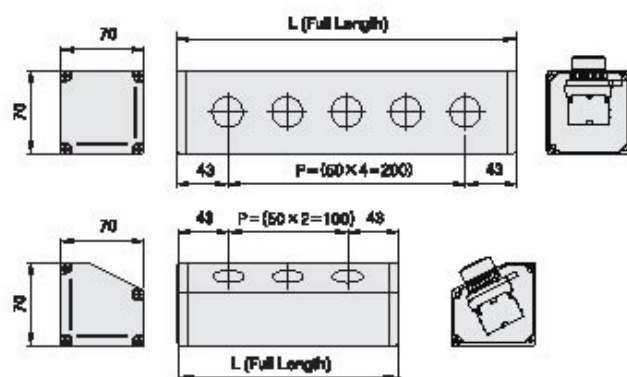
SA ①	-	CA ②	
Classification	Ordering Information		Description
Model	①	②	Switches Accessories
Contact /LED Block	SA		
		CA	
		CB	
		LD	
		LA	LED Block (100-220VAC 50/60HZ)

	SA-CA A Contact	SA-CB B Contact	SA-LD For LED DC	SA-LA For LED AC
				
	110VAC/10A, 220VAC/5A		12-30VDC/AC	100-220VAC

● **Switches boxes**

SA	-	SB	1	
①		②	③	
Classification	Ordering Information			Description
Model	①	-	②	
Appearance	SA			Switches accessories
		SB		Square boxes (Square type)
Number of holes		TB		Triangle boxes
			1	1 hole (Length : L=86mm)
			2	2 hole (Length : L=136mm)
			3	3 hole (Length : L=186mm)
			4	4 hole (Length : L=236mm)
			5	5 hole (Length : L=286mm)

※ The number of holes and box length can be customized

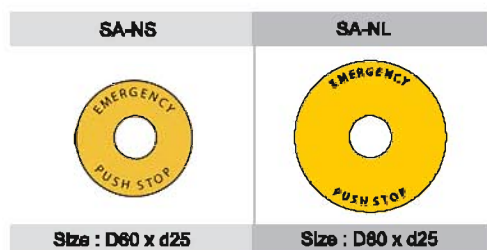


Dimensions (Unit : mm)
Mounting hole layout $\varnothing 22.5/25.5$



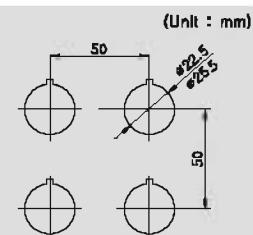
Emergency switches nameplates

SA ①	—	NS ②	
Classification	Ordering Information		Description
Model	SA		Switches accessories
Appearance		NS	Nameplate small size
		NL	Nameplate large size



Panel mounting hole layout

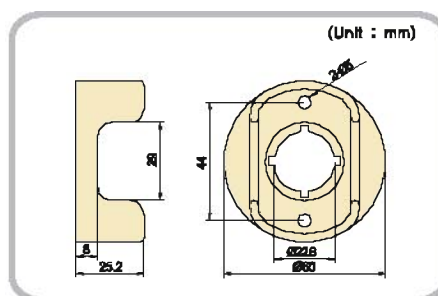
It is recommended to leave the interval of 50 mm between each panel hole. In case of S2RE-E5R, leave the interval of 60mm or more.



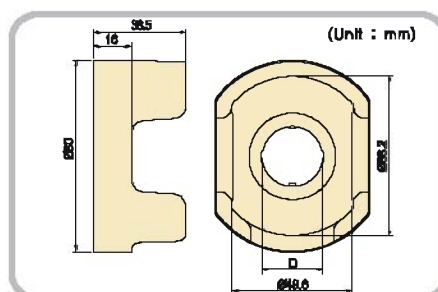
Emergency switches protective shroud

SA ①	—	EG ②	1 ③
Classification	Ordering Information		Description
Model	SA		Switches accessories
Appearance		EG	Emergency switches protective shroud
Dimension		1	Ø22, SMALL
		2	Ø22, LARGE
		3	Ø25, LARGE

Dimension of small type



Dimension of large type



D part Dimension

SA-EG2	Ø22.5
SA-EG3	Ø25.5

Push button switches

Push button switches (Illuminated)

Selector switches

Double push button switches

Start push button switches

Emergency switches

Emergency switches (Illuminated)

Pilot lamps

Accessory

Magnetic buzzers

Piezo buzzers

Sockets

Digital switches

Water proof cap

SA	—	WP	
①		②	
Classification	Ordering information		Description
Model	① SA	②	
Appearance		WP	
		WL	
			Switch accessories
			For push button
			For illuminated push button

(Unit : mm)

SA-WP	SA-WL
Push button switches	Push button switches(illuminated)

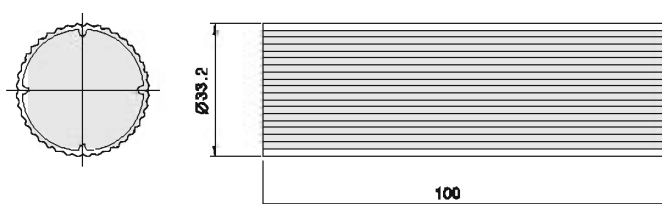
※ For Non-flush Ø22/25 Non-Flush switches



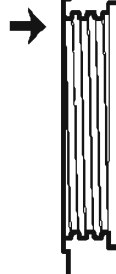
Locking handle for switches

SA	—	LH	
①		②	
Classification	Ordering information		Description
Model	①	②	
Appearance	SA	LH	
			Switch accessories
			Locking ring wrench (Locking handle)

(Unit : mm)



When mounting Ø25 panel hole,
contact A part



When
mounting
Ø22 panel hole,
contact B part



● Guideline for mounting switch Nut

Available for Ø22/25 Flush Push buttons. When Mounting Ø25 panel hole, contact A part with switch nut . When Mounting Ø22 panel hole, contact B part with switch nut



Buzzers

Classification	Magnetic buzzers	Piezo buzzers	
	Standard	Continuous sound	
Mounting hole	Ø22 / 25	Ø22 / 25	Ø30
Model	B2NB - B1	B2PB -B2, B3, B4	B3PB -B2, B3, B4
Appearance			
Page	24	24	24

Specifications

Model		B2NB - B1D	B2PB - B2,B3,B4	B3PB - B2,B3,B4
Rated voltage		12-24VDC		
Rated current		Max.60mA	Max.25mA	
Sound level		Approx.75dB(1m) Approx.85dB(0.1m)		Approx.90dB(0.1m)
Sound type		Continuous / Intermittent sound	Continuous / Intermittent / Dual sound	
Insulation resistance		Min. 50MΩ(at 500VDC)	Min. 100MΩ(at 500VDC)	
Dielectric strength		1000VAC 50/60Hz For 1 minute	2000VAC 50/60Hz For 1 minute	
Vibration resistance		1.5mm amplitude at frequency of 10~55Hz(for 1minute) in each of x,y,z directions for 2 hours		
Shock resistance		500m/s²(50G) In each of x,y,z directions for 3 times	300m/s²(30G) In each of x,y,z directions for 3 times	
Ambient temperature		-15 ~ 55℃ (at non-freezing status)		
Storage temperature		-25 ~ 65℃ (at non-freezing status)		
Ambient humidity		35 ~ 85%RH		
Protection degree		IP30		
Material	Body	Nylon6		
	Cover	PC		
Unit weight		Approx.18g	Approx. 20g	Approx.25g

< Memo >

Push button switches

Push button switches (Illuminated)

Selector switches

Double push button switches

Start push button switches

Emergency switches

Emergency switches (Illuminated)

Pilot lamps

Accessory

Magnetic buzzers

Piezo buzzers

Sockets

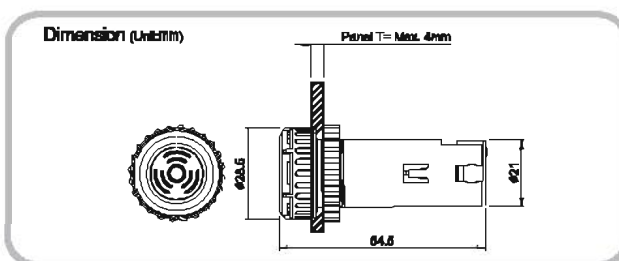
Digital switches



● **Ø22/25 Magnetic buzzers(Non-Flush)**



- Mounting hole layout : Ø22.5 / 25.5mm
- Selectable Continuous and Intermittent sound
- High visibility with LED

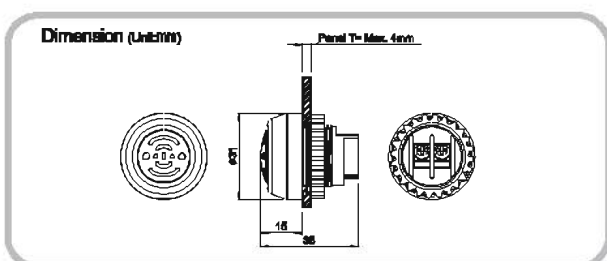


● **Ø22/25 Piezo buzzers(Non-Flush)**



Model	Sound
B2PB - B2D	Dual
B2PB - B3D	Continuous
B2PB - B4D	Intermittent

- Optimal alarm solution with powerful sound level
- Mounting hole layout : Ø22.5 / 25.5mm
- Selectable continuous and Intermittent sound

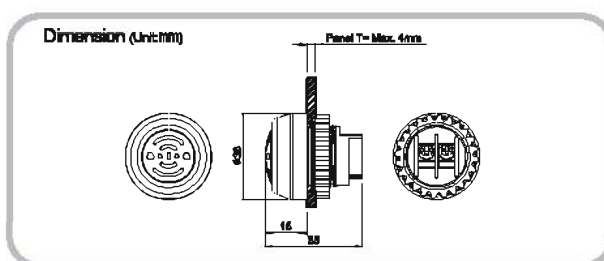


● **Ø30 Piezo buzzers(Flush)**



Model	Sound
B3PB - B2D	Dual
B3PB - B3D	Continuous
B3PB - B4D	Intermittent

- **Optimal alarm solution with powerful sound level**
- **Mounting hole layout : Ø30.5mm**
- **Selectable continuous and Intermittent sound**



Sockets

Classification	Sockets(Standard)		HOOK Sockets		
	8PIN	11PIN	8PIN	11PIN	8 PIN (MINI SIZE)
Model	PG - 08	PG - 11	PS - 08	PS-11	PS-M8
Appearance					
Page	26	27	27	28	29

Push
Button
SwitchesPush
Button
Switches
(Illuminated)Selector
SwitchesDOUBLE
Push
Button
SwitchesStart
Push
Button
SwitchesEmergency
SwitchesEmergency
Switches
(Illuminated)Pilot
Lamps

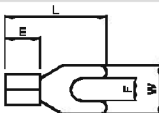
Accessory

Magnetic
BuzzersPiezo
Buzzers

Sockets

Digital
Switches

Specifications

Model	PG - 08	PG - 11	PS - 08	PS - 11	PS - M8
Rated voltage	250VAC				
Rated current	7A (Load resistance)				
Insulation resistance	Min. 100MΩ(at 500VDC)				
Dielectric strength	2000VAC 50/60Hz For 1 minute				
Vibration resistance	0.75mm amplitude at frequency of 10~55Hz(for 1minute) In each of x,y,z directions for 2 hours				
Shock resistance	980m/s(98G) In each of x,y,z directions for 3 times(In case of PS-M8, 300m/s (30G) In each of x,y,z directions for 3 times.)				
Ambient temperature	-10 ~ 55℃ (at non-freezing status)				
Storage temperature	-25 ~ 65℃ (at non-freezing status)				
Ambient humidity	35 ~ 85%RH				
Socket Torque	0.8N·m(In case of PS-M8, 0.75N·m~0.95N·m)				
Standard screw	M3.5				
Material	Body		PBT		
	Bolt		Steel plated with Ni		
	Nut		Steel plated with Ni		
	Terminal		PBIC plated with Ni		
Connection	E		4.5mm less than		
	F		Ø3.6 more than		
	W		6.8~7.1mm		
	L		15.7mm more than		
Approval					
Unit Weight	Approx. 37.5g	Approx. 47g	Approx. 62g	Approx. 85g	Approx. 43g

P	G	-	08
①	②		③

Classification	Ordering information				Description
	①	②	-	③	
Model	P				Sockets
Appearance		G			Standard
Terminal				08	8 Pin
				11	11 Pin
Appearance		S			With HOOK
Terminal				08	8 Pin
				11	11 Pin
				M8	M8 Pin (Mini size-ATS Series only)

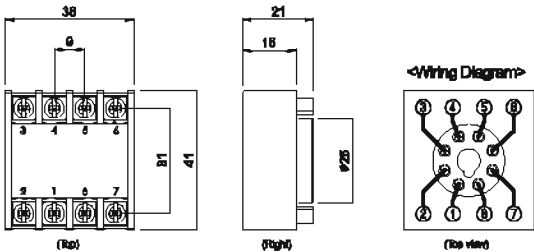
● Sockets(standard)



Model	PG-08
-------	-------

High heat resisting property and insulation resistance with PBT(UL94-V0 resin)-plated body
Improved electric capability and reliable connection with connection terminal made of copper alloy

Dimension (Unit:mm)



Sockets(Standard)

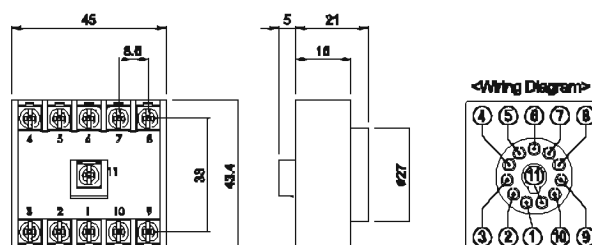


Model	PG-11
-------	-------

High heat resisting property and Insulation resistance with PBT(UL94-V0 resin)-plated body.

Improved electric capability and reliable connection with connection terminal made of copper alloy

Dimension (Unit:mm)



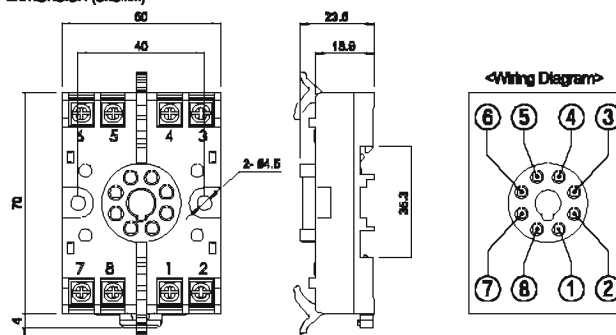
● Hook sockets



Model	PS-08
-------	-------

- One Touch for easy mounting on RAIL
 - When mounting panel, Fix it with M4*0.7 screw
 - High heat resisting property and insulation resistance with PBT(UL94-V0 resin)-plated body.
- Improved electric capability and reliable connection with connection terminal made of copper alloy

Dimension (Unit:mm)

Push
button
switchesPush
button
switches
(Illuminated)Selector
switchesDouble
push
button
switchesStart
push
button
switchesEmergency
switchesEmergency
switches
(Illuminated)Pilot
lamps

Accessory

Magnetic
buzzersPiezo
buzzers

Sockets

Digital
switches



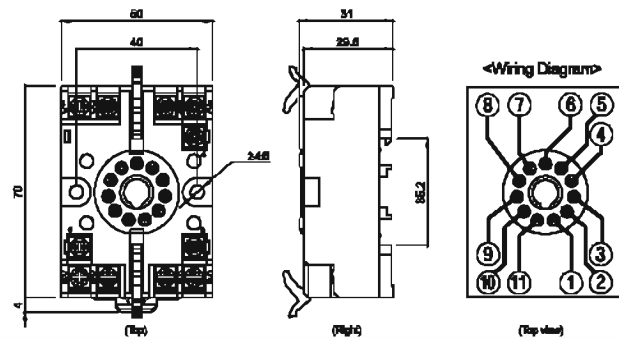
● Hook sockets



Model	PS-11
-------	-------

- One Touch for easy mounting on RAIL
- When mounting panel, Fix it with M4*0.7 screw
- High heat resisting property and insulation resistance with PBT(UL94-V0 resin)-plated body
- Improved electric capability and reliable connection with connection terminal made of copper alloy

Dimension (Unit:mm)



○ Hook Sockets

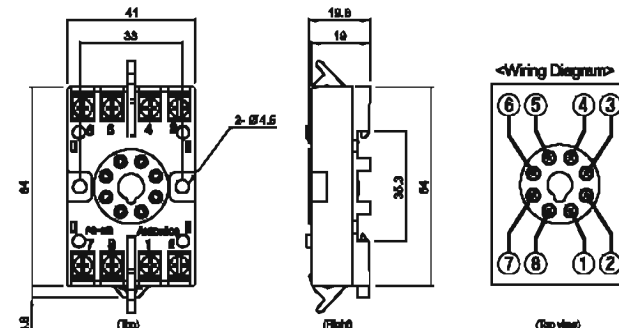
NEW



Model	PS-M8
-------	-------

- Well designed for 40mm width products (For ATS Series)
- One Touch for easy mounting on RAIL
- When mounting panel, Fix it with M4*0.7 screw
- High heat resisting property and insulation resistance with PBT(UL94-V0 resin)-plated body
- Improved electric capability and reliable connection with connection terminal made of copper alloy

Dimension (Unit:mm)



Digital switches series

Classification	Digital switches (Small)	Digital switches (Standard)	
		Relay pattern	Standard pattern
Model	AD105-I, B	AD604-I, B	AD605-I, B
Appearance			
Page	30	31	

Push
button
switchesPush
button
switches
(Illuminated)Selector
switchesDouble
push
button
switchesStart
push
button
switchesEmergency
switchesEmergency
switches
(Illuminated)Pilot
lamps

Accessory

Magnetic
buzzersPiezo
buzzers

Sockets

Digital
switches

Specifications

Model		AD105-I, B		AD604-I, B		AD605-I, B	
Operation capacity		Max.500gf (4.9N)				Max.550gf (5.39N)	
Load capacity		5-28VDC, 1mA-0.1A				5-28VDC, 50VAC 50/60Hz 1mA-0.1A	
Continuous carry current		Max. 100mA				Max. 1A	
Contact resistance		Max. 200mΩ					
Insulation resistance	Between non-connected terminals	Min. 100mΩ (at 250VDC for 1minute)					
	Between terminal and non-current carrying part	Min. 100mΩ (at 500VDC for 1minute)					
Dielectric strength	Between non-connected terminals	250VAC 50/60Hz For 1 minute				600VAC 50/60Hz For 1 minute	
	Between terminal and non-current carrying part	500VAC 50/60Hz For 1 minute				1000VAC 50/60Hz For 1 minute	
Vibration resistance		0.75mm amplitude at frequency of 10-55Hz (for 1minute) in each of x,y,z directions for 1 hours					
Shock resistance		500m/s (50G) In each of x,y,z directions for 3 times					
Durability	Electrical	More than 20,000 times					
	Mechanical	More than 30,000 times					
Ambient temperature		-10 ~ 50℃ (at non-freezing status)					
Storage temperature		-20 ~ 80℃ (at non-freezing status)					
Ambient humidity		45 ~ 85%RH					
Unit weight		1.3g				4.2g	3.8g

AD	1	0	5	—	I
①	②	③	④		⑤

Classification	Ordering Information						Description
Model	AD						AUTONICS DIGITAL SWITCH
Mounting size		1					16.5mm height
Display range			0				0~9
Pattern				5			Standard pattern
Case color					I		IVORY
					B		BLACK

※ Additional display range is ordered separately

○ Digital switches(Small)

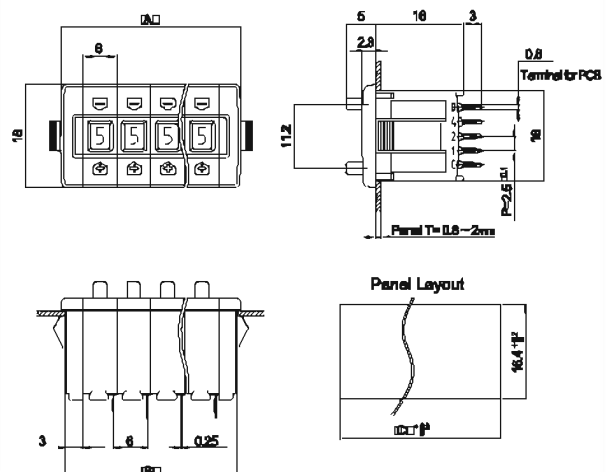


Model	AD105-I
	AD105-B

※ Color : I, B
●●

- Space-saving design
- Operations more than 30000 times present excellent electrical life.

Dimension (Unit:mm)



<Output code number>

Model	AD105-I	AD105-B	COM("C") Contact condition				C
			1	2	4	8	C
Preset position	0						•
	1	•					•
	2		•				•
	3	•		•			•
	4				•		•
	5	•		•			•
	6				•		•
	7	•	•	•			•
	8					•	•
	9	•				•	•

Number of Switches(n)	Unit:mm		
	Size A (n×8+8)	Size B (n×8+8)	Size C
1	14	12	12.5
2	20	18	18.5
3	28	24	24.5
4	32	30	30.5
5	38	36	36.5
6	44	42	42.5
7	50	48	48.5
8	58	54	54.5
9	62	60	60.5
10	68	66	66.5

※ Includes both side cover

AD	6	0	5	-	I
①	②	③	④		⑤

Classification	Ordering Information						Description
Model	①	②	③	④	-	⑤	AUTONICS DIGITAL SWITCH
Mounting size	AD	6					22.5mm height
Display range			0				0~9
Pattern				4			Relay pattern
				5			Standard pattern
Case color					I		IVORY
					B		BLACK

※ Additional display range is ordered separately

○ Digital switches(Standard)



AD604 Series	AD605 Series
Relay pattern	Standard pattern

<Output code number>

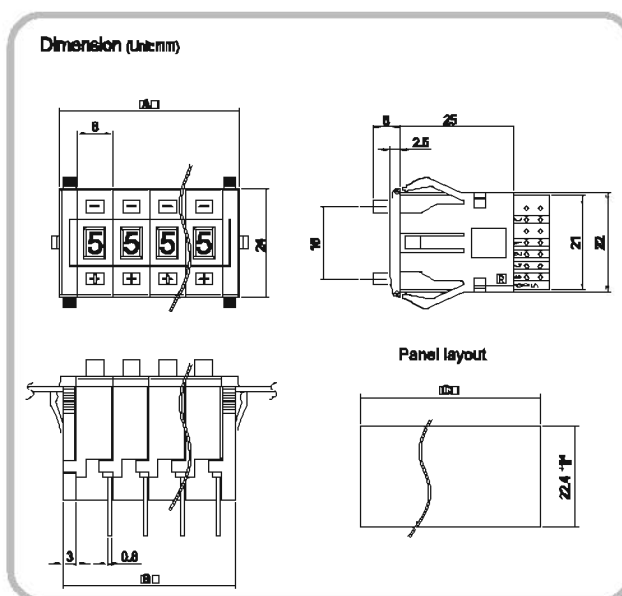
Model	AD604-I AD604-B AD605-I AD605-B	COM("C") Contact condition	COM	Unit:mm
		1 2 4 8 C		
Preset position	0		•	16
	1	•	•	24
	2	•	•	32
	3	•	•	40
	4	•	•	48
	5	•	•	56
	6	•	•	64
	7	•	•	72
	8	•	•	80
	9	•	•	88

※ Include both side cover

Model	AD604-I	AD605-I
	AD604-B	AD605-B

※ Color : I, B

- One Touch mounting type for easy installation.
- Visibility is increased by using wide display part



Push Button Switches

Push Button Switches (Illuminated)

Selector Switches

DOUBLE Push Button Switches

Start Push Button Switches

Emergency Switches

Emergency Switches (Illuminated)

Pilot Lamps

Accessory

Magnetic Buzzers

Piezo Buzzers

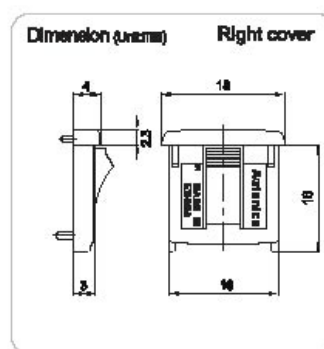
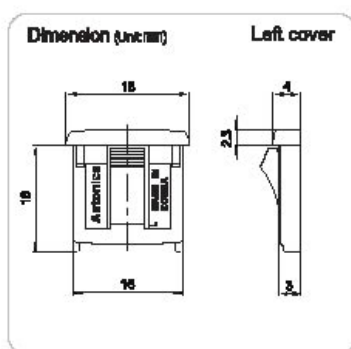
Sockets

Digital Switches

● Digital switches accessory

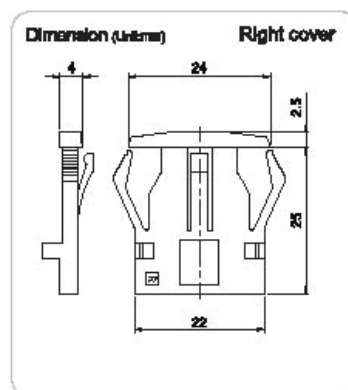
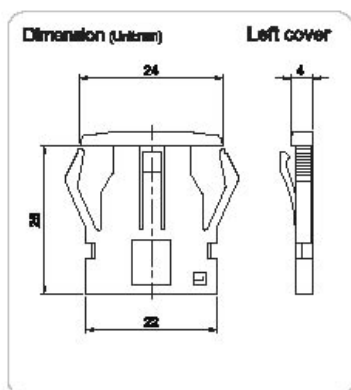
AD105	—	L	I
①		②	③

Classification	Ordering Information				Description
Model	①	—	②	③	AD105 Series
Cover			L		Left cover
			R		Right cover
Color			I		IVORY
			B		BLACK



AD605	—	L	I
①		②	③

Classification	Ordering Information				Description
Model	①	—	②	③	AD605 Series
Cover			L		Left cover
			R		Right cover
Color			I		IVORY
			B		BLACK



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■ Any proposal for a product improvement and development: Product@autonics.com

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