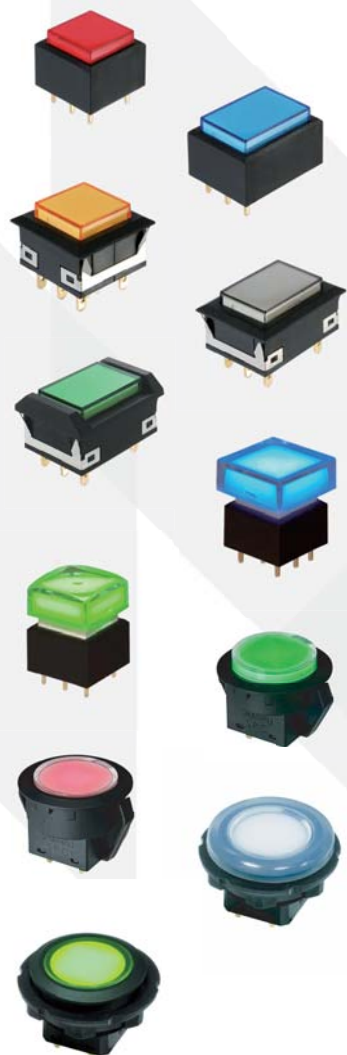




Shanpu

Pushbutton Switches Series SPC



General Specifications

Switch circuit :SPDT or DPDT
 Switch contact rating :3A @ 125/250V AC or 3A @ 30V DC
 LED rating :Limited forward current(IF) at 20mA max
 Contact Resistance :50 m Ohm Max(initial)
 Insulation Resistance :200 M Ohm Min
 Operating Force :Single pole: 190gf±50gf
 Double pole: 200gf±50gf

Total Travel :2.3mm±0.5mm
 Mechanical Life :1,000,000 cycles min. for Momentary.
 200,000 cycles min. for Alternate.

Electrical Life :10,000 cycles min. for silver alloy contact
 Operating Temperature :-25°C ~ +50 °C
 Function :Momentary or Alternate

Material

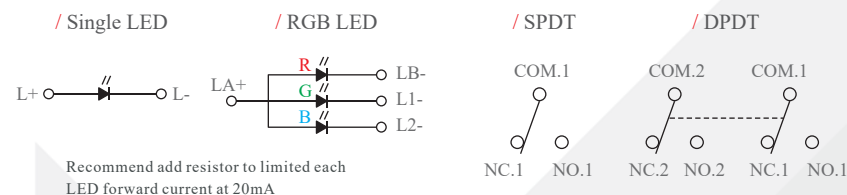
Cap :Polycarbonate(PC)
 Housing :Polyamide (PA)
 Snap-in Frame :Stainless steel
 Switch/LED Terminal :Phosphor bronze (PBS) with gold plating
 Movable Contacts :Gold flash over silver alloy
 Spring :Piano wire
 Base :Polyamide(PA)

Features

- Bright LEDs of Single,RGB colors available.
- Full face illumination plus in square or rectangular models.
- Combination of PCB mounting and Panel snap-in.
- Small and short body for mounting in tight spaces.
- Snap-action contact mechanism.
- Momentary and Alternate available.

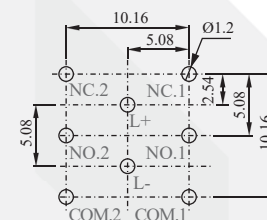
PAT. I 328825
 PAT. ZL 2007 2 0141337. X

Contact Configuration

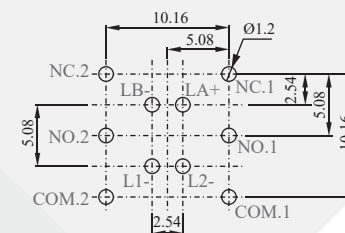


PCB Layout

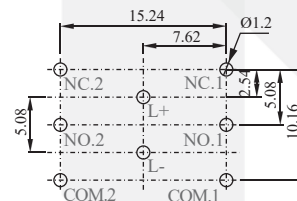
/ Single LED (Square Type)



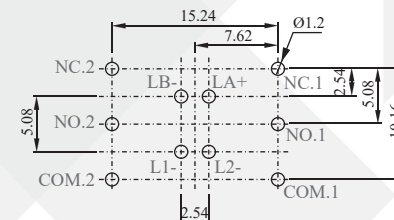
/ RGB LED (Square Type)



/ Single LED (Rectangular Type)



/ RGB LED (Rectangular Type)



Note:
 Single & Double Pole: Single pole do not have terminal Com2, NO.2. and NC2

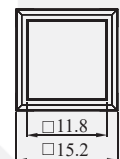


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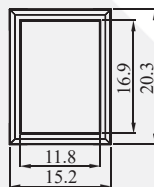
Pushbutton Switches Series SPC

Dimension

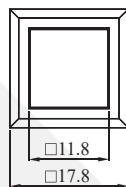
/ SPC□□SP



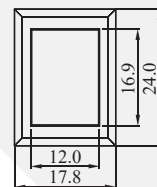
/ SPC□□RP



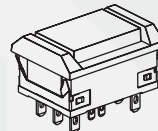
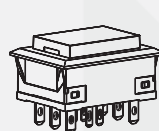
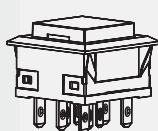
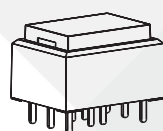
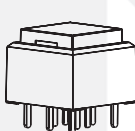
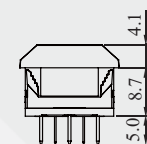
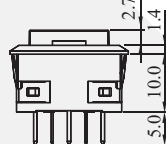
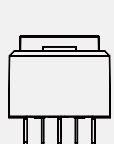
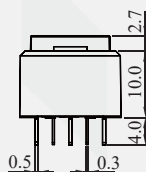
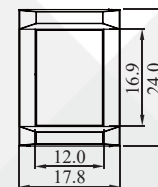
/ SPC□□SS



/ SPC□□RS

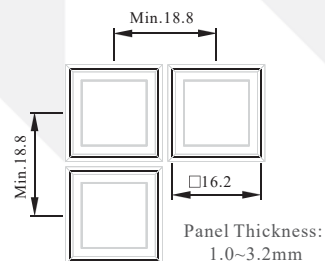


/ SPC□□WS

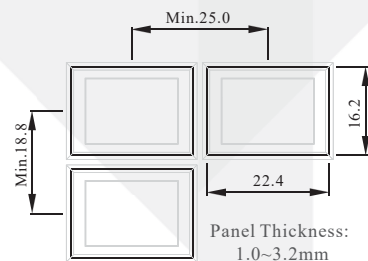


Panel cutting

/ SPC□□SS



/ SPC□□RS, SPC□□WS



How to order

SPC

Function Code	
MS	Momentary, SPDT
MD	Momentary, DPDT
AS	Alternate, SPDT
AD	Alternate, DPDT
I	Indicator

Apparent Shaped / Terminal type	
SP	Square / Straight PC
RP	Rectangular / Straight PC
SS	Square / Snap-in type
RS	Rectangular / Snap-in type
WS	Protective Wall - Rectangular / Snap-in type

EXAMPLE :
SPCMSST-1P3

CAP & Diffuser Color	
T	Transparent cap & White diffuser
T1	Red Transparent cap & White diffuser
T2	Yellow Transparent cap & White diffuser
T3	Green Transparent cap & White diffuser
T5	Black Transparent cap & White diffuser
T7	Blue Transparent cap & White diffuser
1T	Transparent cap & Red diffuser
2T	Transparent cap & Yellow diffuser
3T	Transparent cap & Green diffuser
6T	Transparent cap & Orange diffuser
7T	Transparent cap & Blue diffuser

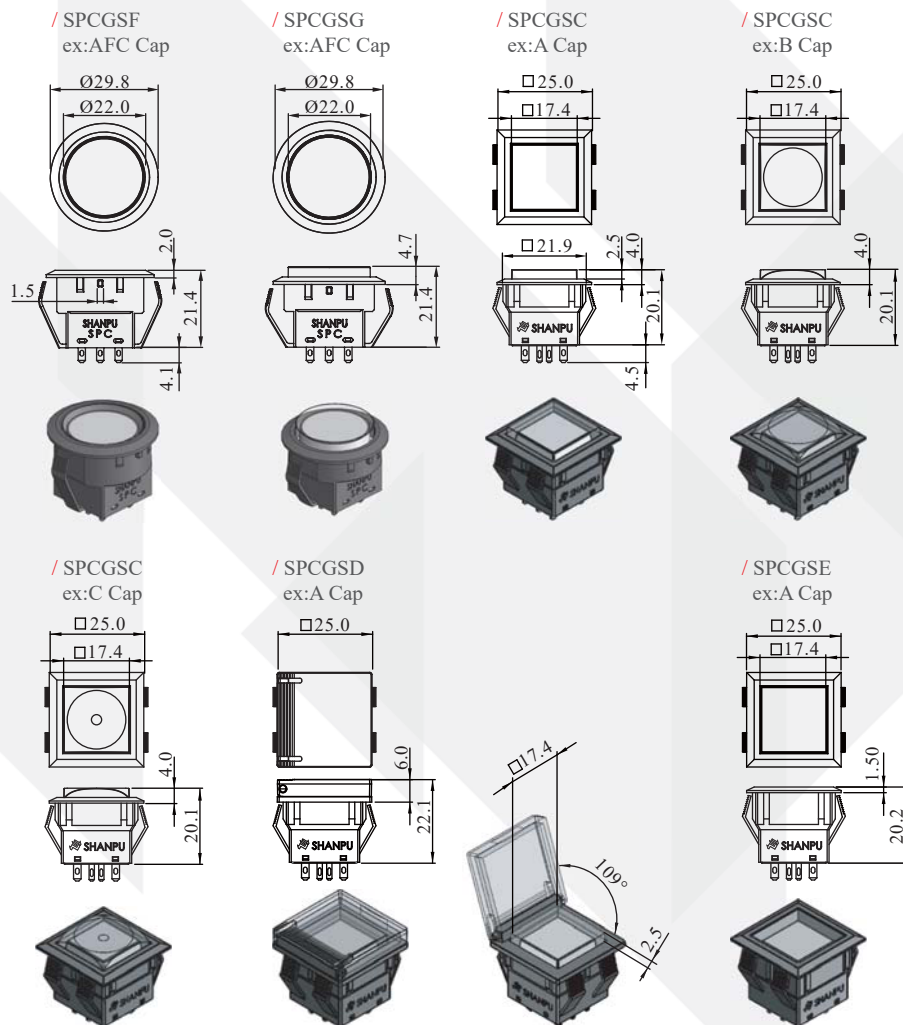
LED Colors	
00	Without LED
Single Colors	
01	Red
S2S	Super Yellow
P3S	Pure Green
7S	Blue
4S	White
Tri-colors LED	
RGB	RGB Full color



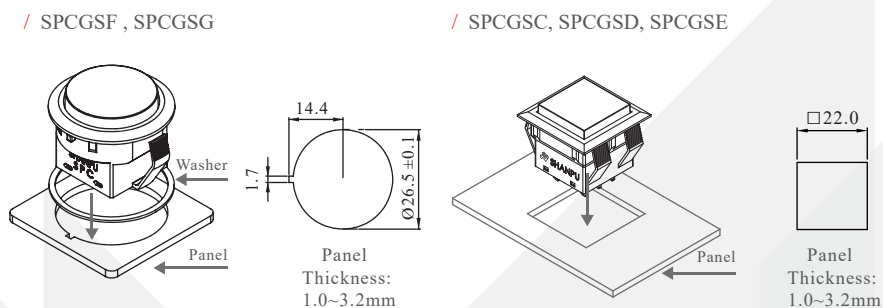
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Pushbutton Switches Series SPC

Dimension (SPCGS)



Panel Cutting & Installation Notes (SPCGS)



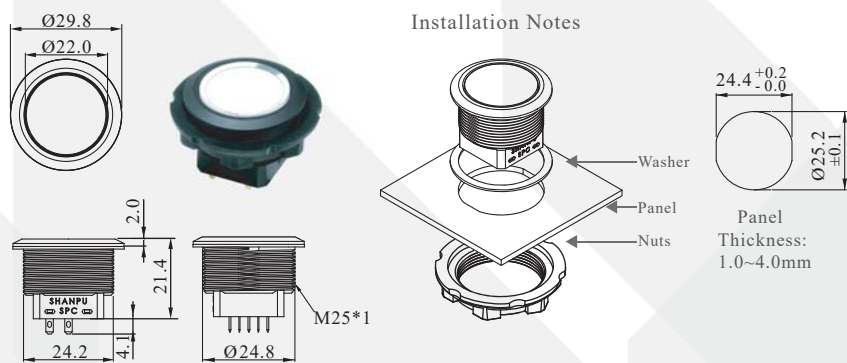
How to order

SPCGS				5			
Button Convex/Flat F Round Flat G Round Convex C Square Convex D Square Convex Protective E Square Flat				LED Colors 0 Without LED Single Colors 1 Red 2 Super Yellow 4 White 5 Pure Green 7 Blue Tri-colors LED 9 RGB Full color	Housing Color 5 Black	Cap Style / Color AFC Ø22.0 Round Flat / Clear AFCC Ø22.0 Round Flat / Clear Black A □17.4 Square Flat / Clear B □17.4 Square Concave / Clear C □17.4 Square Spot key / Clear	
Function Code MS Momentary, SPDT MD Momentary, DPDT AS Alternate, SPDT AD Alternate, DPDT							

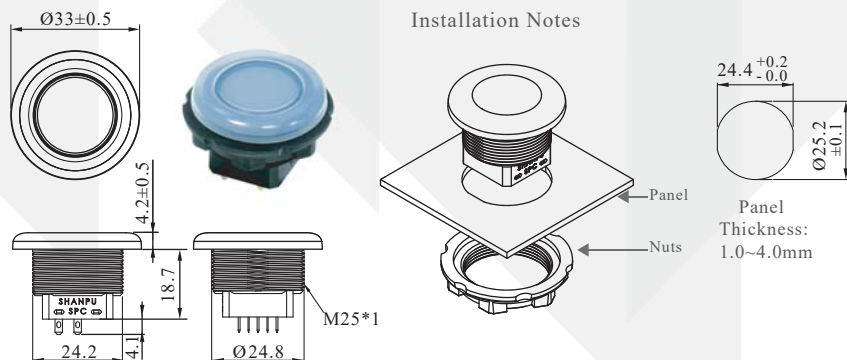
EXAMPLE:
SPCGSAMD95AFCC

Pushbutton Switches Series **SPC**

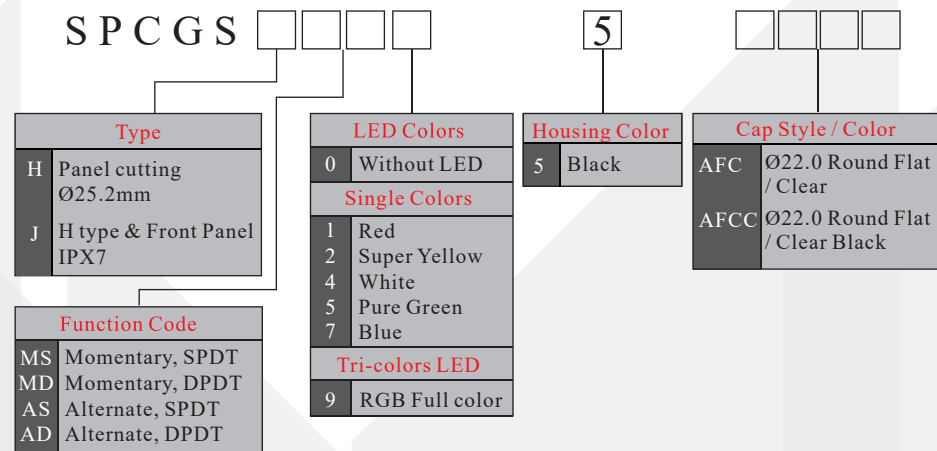
Dimension (SPCGSH).



 Dimension (SPCGSJ) Front Panel IPX7



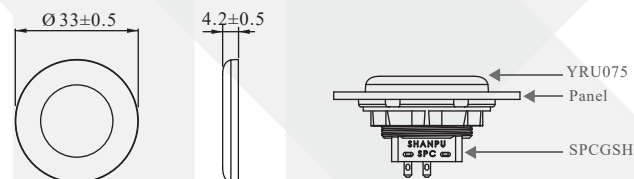
- How to order (SPCGSH,SPCGSJ)



EXAMPLE:
SPCGSHMD95AFCC

- Option for SPCGSH

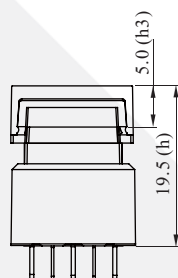
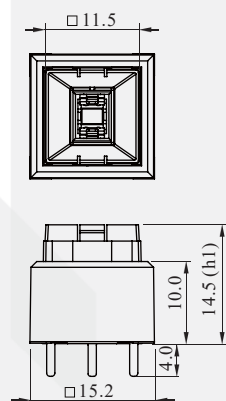
/ Front Panel IPX7 Silicone P/N : YRU075 (Only for SPCGSH)
Dimension:





Pushbutton Switches Series **SPC**

Dimension (SPCG)



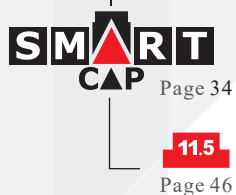
EXAMPLE:
SPCGMS1YCS0054
(h1) 14.5mm + (h3) 5.0mm
= (h) 19.5mm
From Page 43

How to order (SPCG)

SPCG

Function Code	
MS	Momentary, SPDT
MD	Momentary, DPDT
AS	Alternate, SPDT
AD	Alternate, DPDT

LED Colors	
0	Without LED
Single Colors	
1	Red
2	Super Yellow
4	White
5	Pure Green
7	Blue
Tri-colors LED	
9	RGB Full color



EXAMPLE:
SPCGMS1YCS0054