


SERIES: PBM1 | **DESCRIPTION:** PUSH BUTTON SWITCH

FEATURES

- anti-vandal
- stainless steel
- 2 V, 3 V, 5-12 V, 24~36 V LED voltage options
- raised button
- flush button

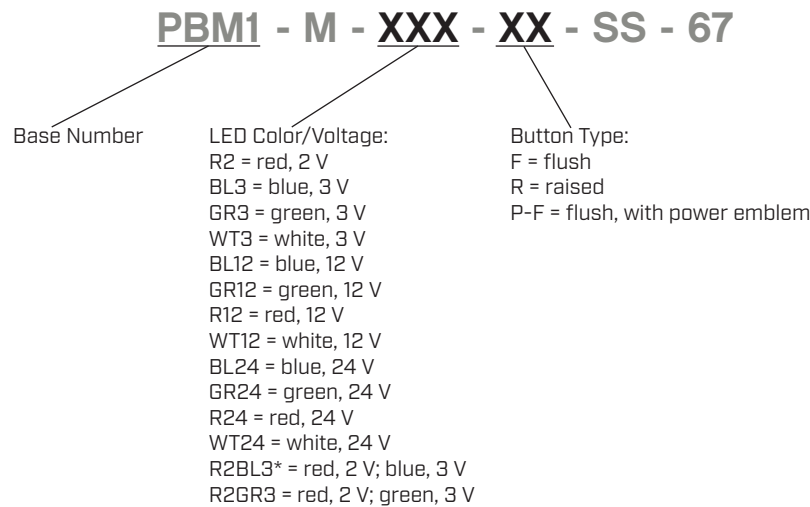

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage				36 250	Vdc Vac
rated current	Vdc Vac			2.0 6.0	A A
withstanding voltage	for 1 minute		1,500		Vac
contact resistance				50	mΩ
insulation resistance	at 500 Vdc	100			MΩ
operating force		300	450	600	gf
actuator travel		1.0	1.5	2.0	mm
operating temperature		-20		85	°C
life	electrical mechanical		50,000 200,000		cycles cycles
hand soldering	for 3±0.5 seconds	345	350	355	°C
RoHS	yes				
IP level	IP67				

LED SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
forward voltage [Vf]	at If=15 mA				
	red [2 V]	1.8	2.0	2.4	V
	blue [3 V]	2.8	3.0	3.4	V
	green [3 V]	2.8	3.0	3.4	V
	white [3 V]	2.8	3.0	3.4	V
	blue [12 V]	5.0	12	13.0	V
	green [12 V]	5.0	12	13.0	V
	red [12 V]	5.0	12	13.0	V
	white [12 V]	5.0	12	13.0	V
	blue [24 V]: external resistor required	24		36	V
	green [24 V]: external resistor required	24		36	V
	red [24 V]: external resistor required	24		36	V
	white [24 V]: external resistor required	24		36	V

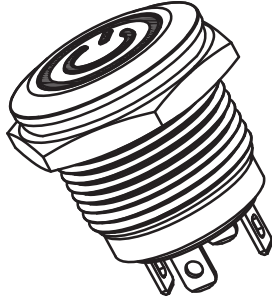
PART NUMBER KEY



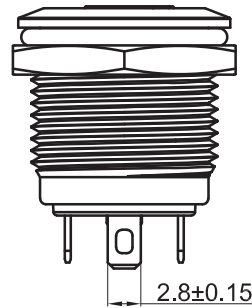
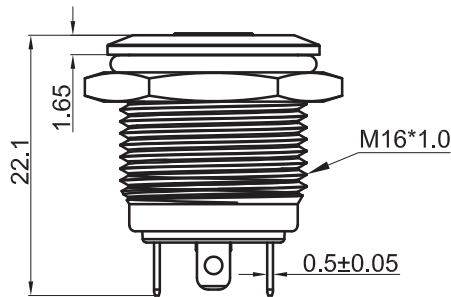
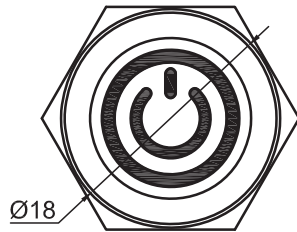
Note: *Dual red-blue LED version only available with flush button.

MECHANICAL DRAWING (POWER EMBLEM)

units: mm
 tolerance:
 $X \leq 5.0: \pm 0.2$ mm
 $5.0 < X < 30.0: \pm 0.3$ mm
 $X \geq 30.0: \pm 0.5$ mm
 unless otherwise noted
 panel thickness: 6.0 mm max



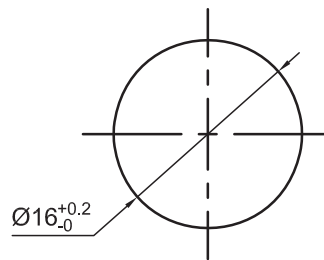
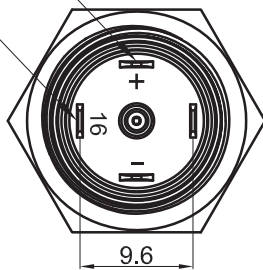
DESCRIPTION	MATERIAL	PLATING/COLOR
housing	stainless steel	---
actuator	stainless steel	---
switch terminals	brass	gold
LED terminals	brass	silver
nut	brass	nickel
base	PA66 (UL94HB)	white



ACTUATOR POSITION (): MOMENTARY	
NORMAL	DOWN
OFF	[ON]
SCHEMATIC	

LED Terminal Pin(Silver plated)

Connector Pin(Gold plated)

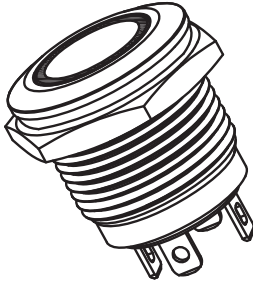


Recommended Panel Cutout

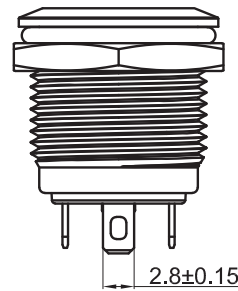
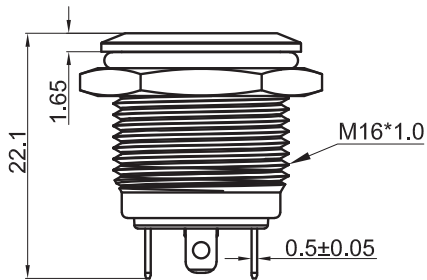
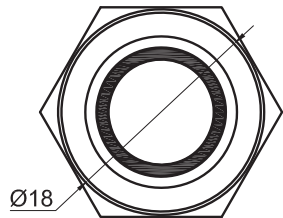
LED Table			
Model	Red-Green Model	2-12 V LED Models	24 V LED Models
Polarity			

MECHANICAL DRAWING (NO POWER EMBLEM)

units: mm
 tolerance:
 $X \leq 5.0$: ± 0.2 mm
 $5.0 < X < 30.0$: ± 0.3 mm
 $X \geq 30.0$: ± 0.5 mm
 unless otherwise noted
 panel thickness: 6.0 mm max



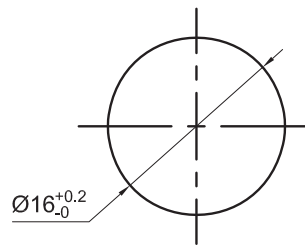
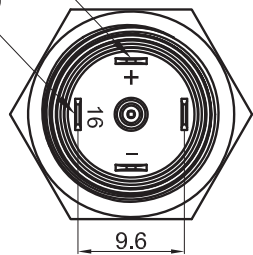
DESCRIPTION	MATERIAL	PLATING/COLOR
housing	stainless steel	---
actuator	stainless steel	---
switch terminals	brass	gold
LED terminals	brass	silver
nut	brass	nickel
base	PA66 (UL94HB)	white



ACTUATOR POSITION (): MOMENTARY	
NORMAL	DOWN
OFF	[ON]
SCHEMATIC	

LED Terminal Pin (Silver plated)

Connector Pin (Gold plated)

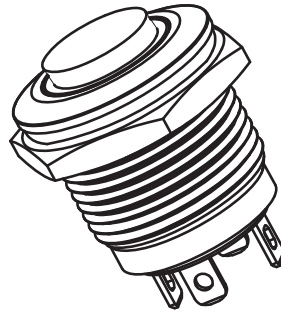


Recommended Panel Cutout

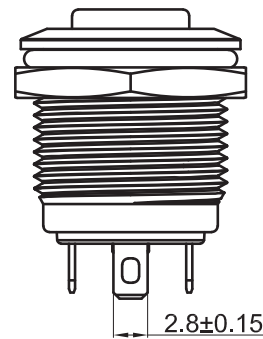
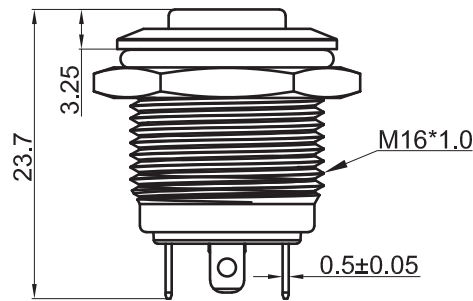
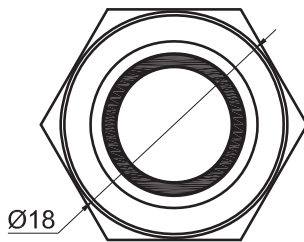
LED Table				
Model	Red-Blue Model	Red-Green Model	2-12 V LED Models	24 V LED Models
Polarity				

MECHANICAL DRAWING (RAISED BUTTON)

units: mm
 tolerance:
 $X \leq 5.0$: ± 0.2 mm
 $5.0 < X < 30.0$: ± 0.3 mm
 $X \geq 30.0$: ± 0.5 mm
 unless otherwise noted
 panel thickness: 6.0 mm max



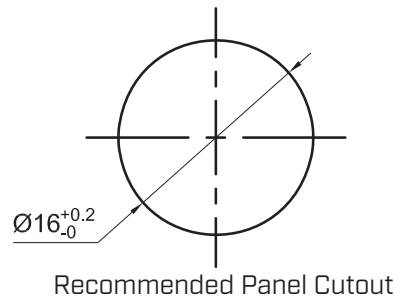
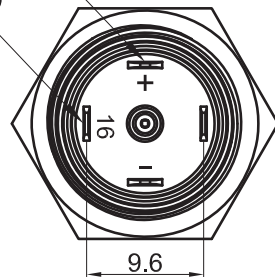
DESCRIPTION	MATERIAL	PLATING/COLOR
housing	stainless steel	---
actuator	stainless steel	---
switch terminals	brass	gold
LED terminals	brass	silver
nut	brass	nickel
base	PA66 (UL94HB)	white



ACTUATOR POSITION (): MOMENTARY	
NORMAL	DOWN
OFF	[ON]
SCHEMATIC	

LED Terminal Pin (Silver plated)

Connector Pin (Gold plated)



LED Table			
Model	Red-Green Model	2-12 V LED Models	24 V LED Models
Polarity			

REVISION HISTORY

rev.	description	date
1.0	initial release	04/07/2026

The revision history provided is for informational purposes only and is believed to be accurate.



Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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