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
	at I_F=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
forward voltage (Vf)	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

PBM1 - M - XXX - XX - SS - 67

Base Number

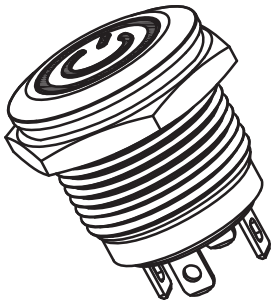
LED Color/Voltage:
R2 = red, 2 V
BL3 = blue, 3 V
GR3 = green, 3 V
WT3 = white, 3 V
BL12 = blue, 12 V
GR12 = green, 12 V
R12 = red, 12 V
WT12 = white, 12 V
BL24 = blue, 24 V
GR24 = green, 24 V
R24 = red, 24 V
WT24 = white, 24 V
R2BL3* = red, 2 V; blue, 3 V
R2GR3 = red, 2 V; green, 3 V

Button Type:
F = flush
R = raised
P-F = flush, with power emblem

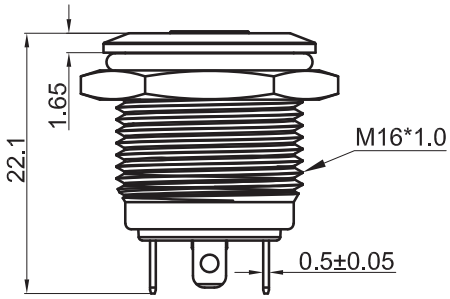
Note: *Dual red-blue LED version only available with flush button.

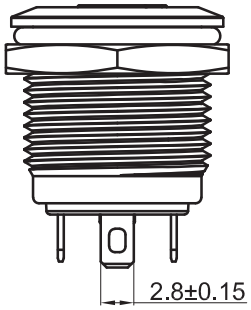
MECHANICAL DRAWING (POWER EMBLEM)

units: mm
tolerance:
X≤5.0: ±0.2 mm
5.0<X<30.0: ±0.3 mm
X≥30.0: ±0.5 mm
unless otherwise noted
panel thickness: 6.0 mm max

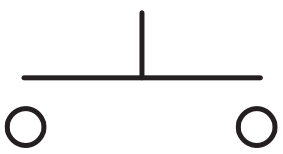


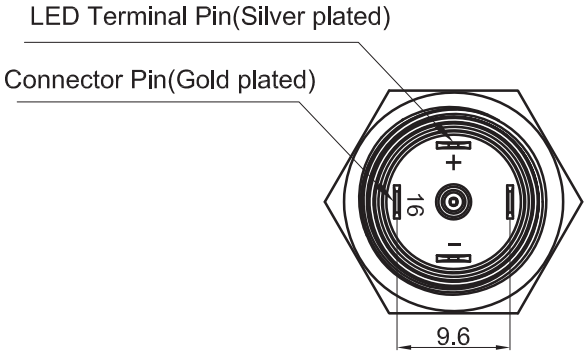
DESCRIPTION	MATERIAL	PLATING/COLOR
housing	stainless steel	---
actuator	stainless steel	---
switch terminals	brass	gold
LED terminals	brass	silver
nut	brass	nickel
base	PA66 (UL94HB)	white

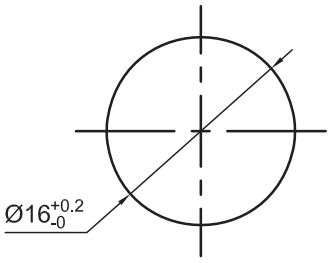




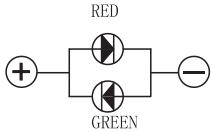
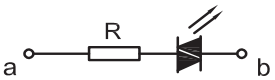
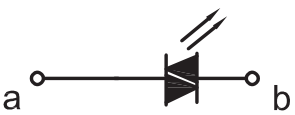
ACTUATOR POSITION (): MOMENTARY	
NORMAL	DOWN
OFF	[ON]
SCHEMATIC	





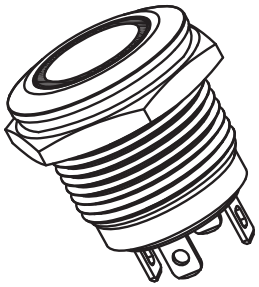


Recommended Panel Cutout

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≤5.0: ±0.2 mm
5.0<X<30.0: ±0.3 mm
X≥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
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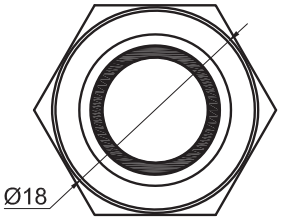
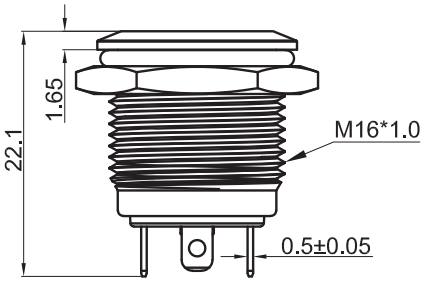
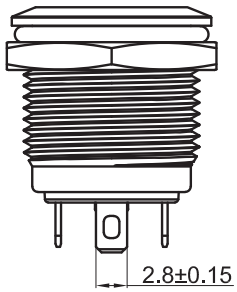
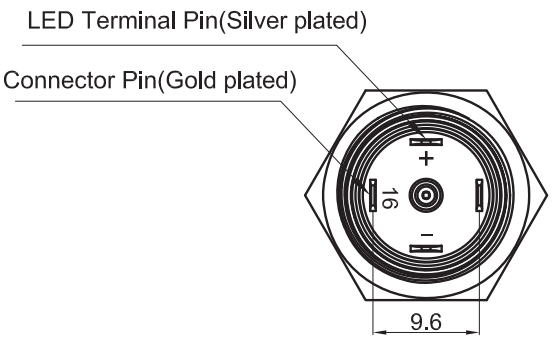
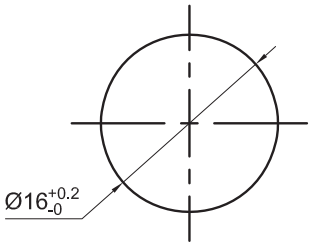




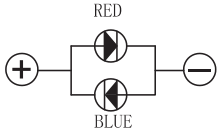
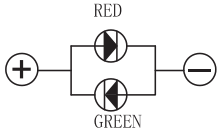
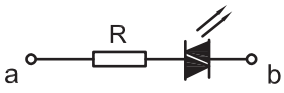
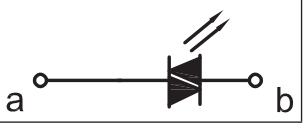






Recommended Panel Cutout

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

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:
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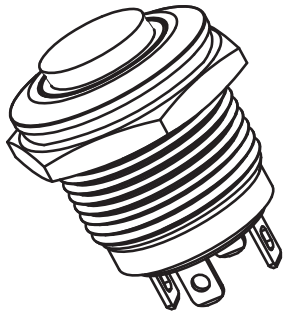
5.0<X<30.0: ±0.3 mm
X≥30.0: ±0.5 mm
unless otherwise noted
panel thickness: 6.0 mm max



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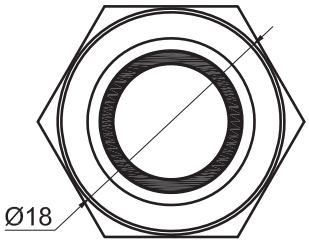

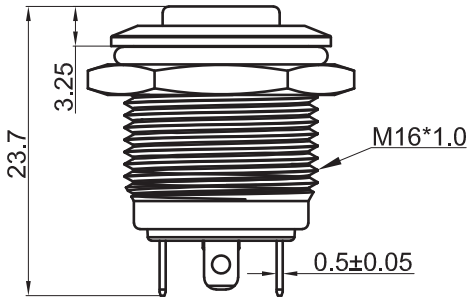

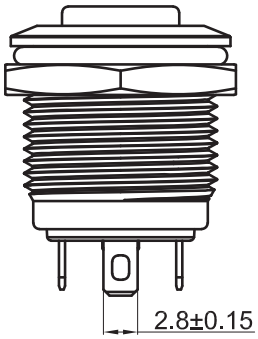

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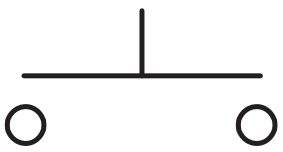

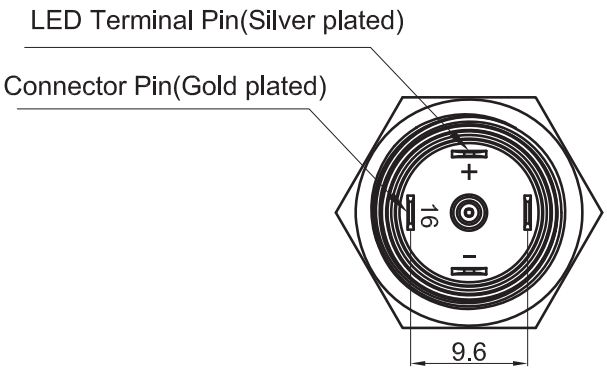

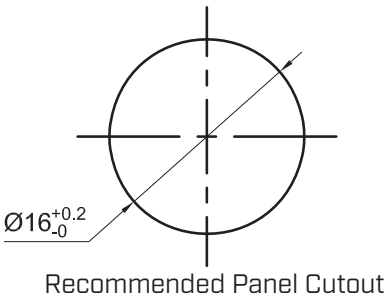

LED Table			
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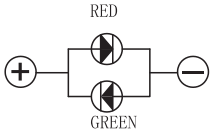
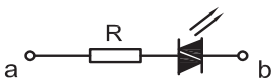
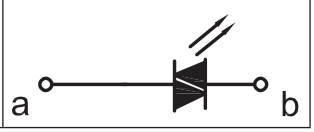
Polarity			

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.