



SERIES: PBM7 | DESCRIPTION: PUSH BUTTON SWITCH

FEATURES

- black alloy
- IP67
- illuminated



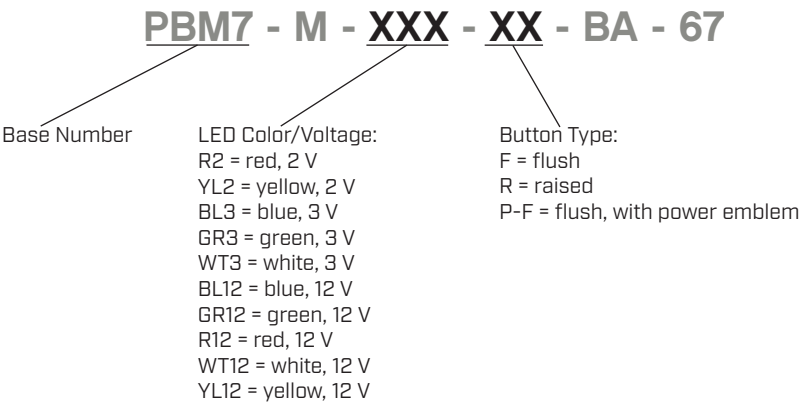
SPECIFICATIONS

| parameter             | conditions/description   | min | typ               | max        | units            |
|-----------------------|--------------------------|-----|-------------------|------------|------------------|
| rated voltage         |                          |     |                   | 36<br>250  | Vdc<br>Vac       |
| rated current         | Vdc<br>Vac               |     |                   | 2.0<br>6.0 | A<br>A           |
| withstanding voltage  | for 1 minute             |     | 1,500             |            | Vac              |
| contact resistance    |                          |     |                   | 50         | mΩ               |
| insulation resistance | at 500 Vdc               | 100 |                   |            | MΩ               |
| operating force       |                          | 400 | 600               | 800        | gf               |
| actuator travel       |                          | 1.0 | 1.5               | 2.0        | mm               |
| operating temperature |                          | -20 |                   | 85         | °C               |
| life                  | electrical<br>mechanical |     | 50,000<br>200,000 |            | cycles<br>cycles |
| hand soldering        | for 3±0.5 seconds        | 345 | 350               | 355        | °C               |
| RoHS                  | yes                      |     |                   |            |                  |
| IP level              | IP67                     |     |                   |            |                  |

LED SPECIFICATIONS

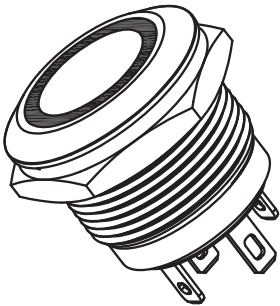
| parameter            | conditions/description | min | typ | max  | units |
|----------------------|------------------------|-----|-----|------|-------|
| forward voltage (Vf) | at If=15 mA            |     |     |      |       |
|                      | red (2 V)              | 1.8 | 2.0 | 2.4  | V     |
|                      | yellow (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     |
|                      | yellow (12V)           | 5.0 | 12  | 13.0 | V     |

PART NUMBER KEY

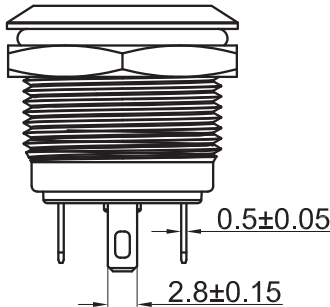
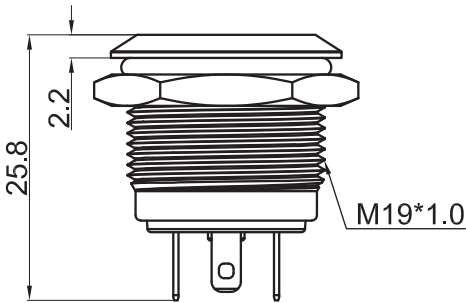
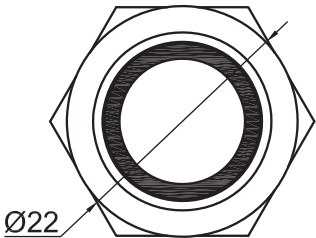


MECHANICAL DRAWING (FLUSH, ILLUMINATED)

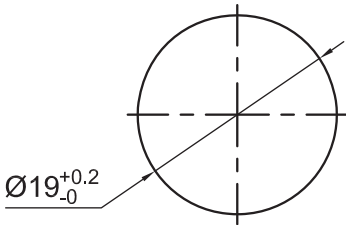
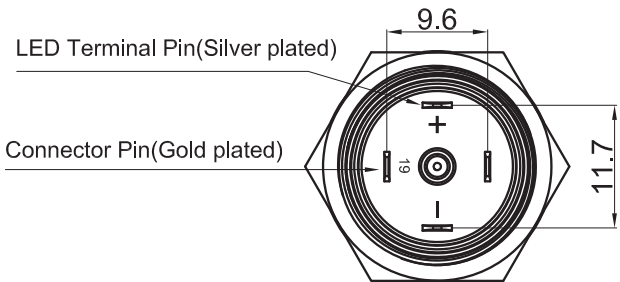
units: mm  
tolerance:  
X≤5.0: ±0.2 mm  
5.0<X<30.0: ±0.3 mm  
X≥30.0: ±0.5 mm  
unless otherwise noted  
panel thickness: 6.0 mm max



| DESCRIPTION      | MATERIAL        | PLATING/COLOR |
|------------------|-----------------|---------------|
| housing          | alluminum alloy | black         |
| actuator         | alluminum alloy | black         |
| switch terminals | brass           | gold          |
| LED terminals    | brass           | silver        |
| nut              | brass           | nickel        |
| base             | PA66 (UL94HB)   | white         |



| ACTUATOR POSITION<br>( ): MOMENTARY |      |
|-------------------------------------|------|
| NORMAL                              | DOWN |
| OFF                                 | [ON] |
| SCHEMATIC                           |      |
|                                     |      |

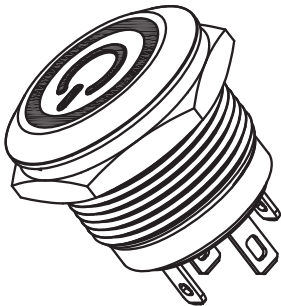


Recommended Panel Cutout

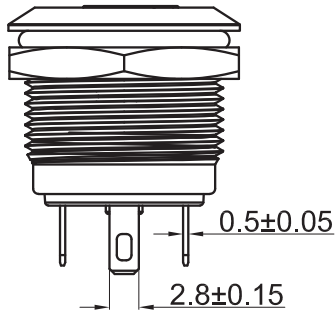
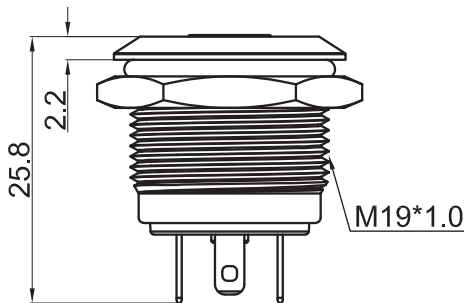
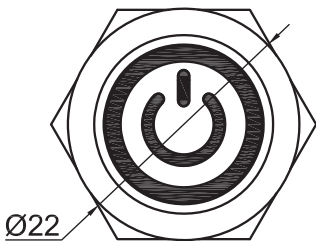
| LED Table |                   |
|-----------|-------------------|
| Model     | 2-12 V LED Models |
| Polarity  |                   |

MECHANICAL DRAWING (FLUSH, ILLUMINATED WITH POWER EMBLEM)

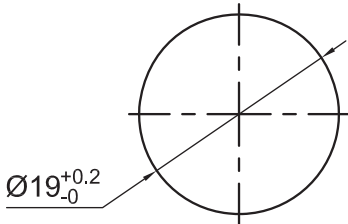
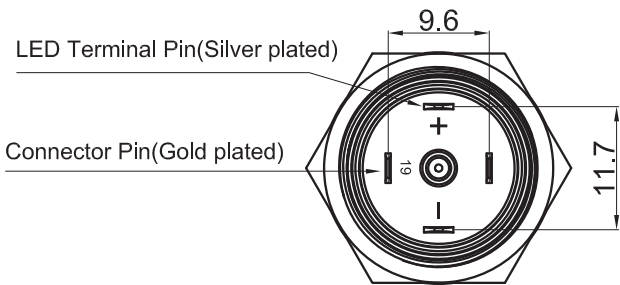
units: mm  
tolerance:  
X≤5.0: ±0.2 mm  
5.0<X<30.0: ±0.3 mm  
X≥30.0: ±0.5 mm  
unless otherwise noted  
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| nut              | brass           | nickel        |
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| ACTUATOR POSITION<br>( ): MOMENTARY |      |
|-------------------------------------|------|
| NORMAL                              | DOWN |
| OFF                                 | [ON] |
| SCHEMATIC                           |      |
|                                     |      |

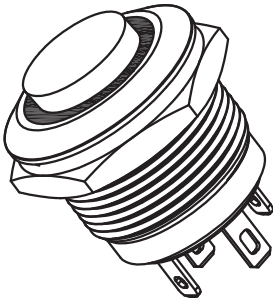


Recommended Panel Cutout

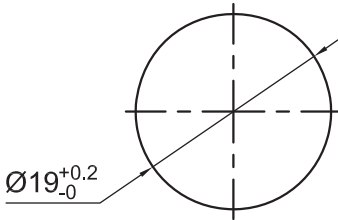
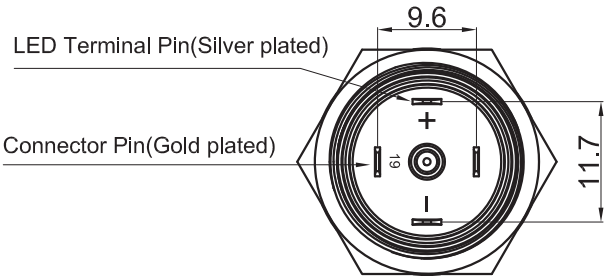
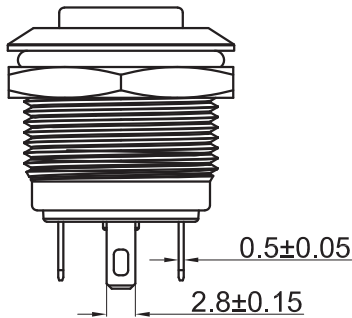
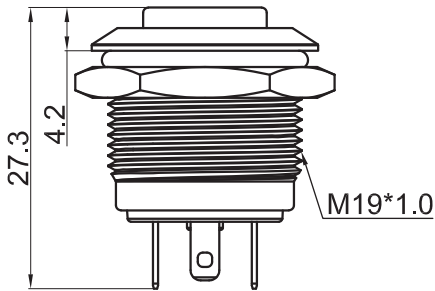
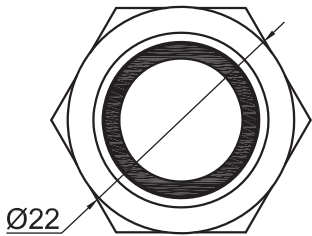
| LED Table |                   |
|-----------|-------------------|
| Model     | 2-12 V LED Models |
| Polarity  |                   |

MECHANICAL DRAWING (RAISED, ILLUMINATED)

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 |
|------------------|-----------------|---------------|
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| actuator         | alluminum alloy | black         |
| switch terminals | brass           | gold          |
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| nut              | brass           | nickel        |
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Recommended Panel Cutout

| ACTUATOR POSITION<br>( ): MOMENTARY |      |
|-------------------------------------|------|
| NORMAL                              | DOWN |
| OFF                                 | [ON] |
| SCHEMATIC                           |      |
|                                     |      |

| LED Table |                   |
|-----------|-------------------|
| Model     | 2~12 V LED Models |
| Polarity  |                   |

REVISION HISTORY

| rev. | description                | date       |
|------|----------------------------|------------|
| 1.0  | initial release            | 07/08/2026 |
| 1.01 | updated mechanical drawing | 07/28/2026 |

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



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