

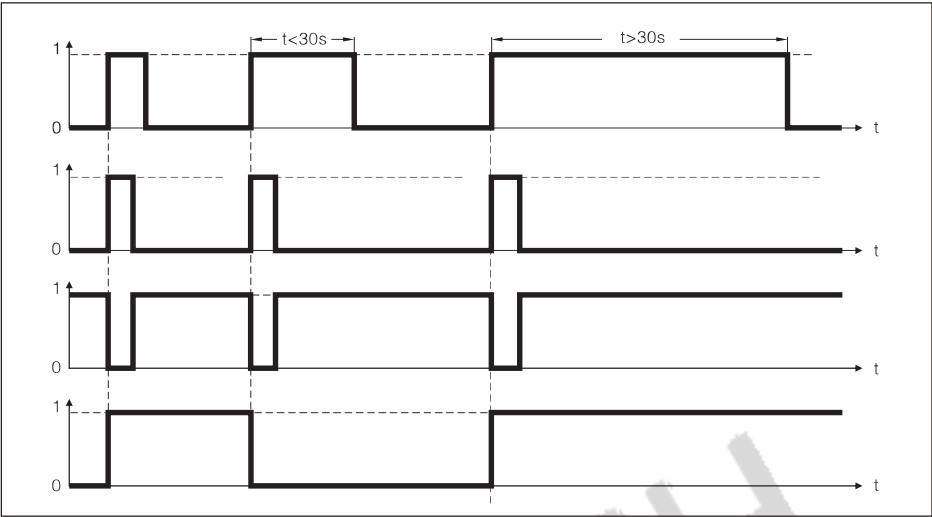
Operating status description

Finger pressure applied to switch

1 = pressure  
0 = no pressure

Output

- Momentary NO (pulse)  
No external power supply required
- Momentary NC (pulse)  
No external power supply required
- Latching (ON-OFF)  
Requires external power supply



Wiring diagram

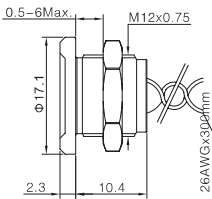
|                      | Non-illuminated | 1 ED* | 2 LEDs | 3 LEDs |
|----------------------|-----------------|-------|--------|--------|
| Momentary NO (pulse) |                 |       |        |        |
| Momentary NO (pulse) |                 |       |        |        |
| Latching (ON-OFF)    |                 |       |        |        |

NOTE: X means the color of the wire depends on the color of the LED.

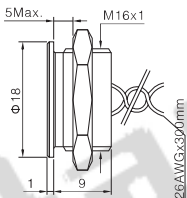
PART NUMBERS ON THIS DRAWING  
MR-PS123Z10YSS1 MR-PS161P MR-PS165P MR-PS165P-TR MR-PS165Z MR-PS193P MR-PS193P-LR  
MR-PS193P-TR MR-PS193Z MR-PS223P MR-PS223P-DOT MR-PS223P-TR MR-PS223Z MR-PS223Z-DOT  
MR-PS225P-LR

|                   |                           |                 |                    |
|-------------------|---------------------------|-----------------|--------------------|
| PIEZO PUSH BUTTON |                           | Micro-Ray       |                    |
| MR-PS SERIES      |                           |                 |                    |
| PART NO           | MR-PS                     |                 |                    |
| DWG NO            | MR-PS                     | SHEET<br>1 OF 4 | REV<br>A           |
| UNITS: mm         | SCALE: NTS - DO NOT SCALE | SIZE<br>A4      | DATE<br>2026-09-22 |

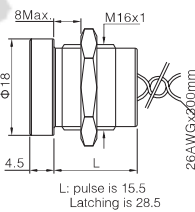
Electrical function 1NO (pulse)  
Housing color SS: Stainless steel  
Rating current 200mA  
Housing material Stainless steel  
Protection level IP68, IP69K



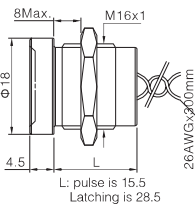
Electrical function□ 1NO (pulse) / 01 NC (pulse)  
Housing color◆ NT Natural anodized / BU Blue anodized / BK Black anodized / GD Gold anodized / GN Green anodized / RD Red anodized / SS Stainless steel  
Voltage 24VAC/DC  
Rating current 200mA  
Housing material Aluminum / Stainless steel  
Protection level IP68, IP69K



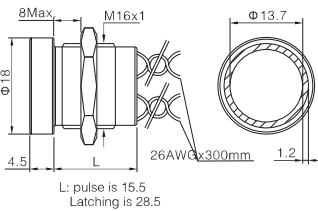
Electrical function□ 1NO (pulse) / 01 NC (pulse) / 10Z: NO latching  
Housing color◆ NT Natural anodized / BU Blue anodized / BK Black anodized / GD Gold anodized / GN Green anodized / RD Red anodized / SS Stainless steel  
Voltage 24VAC/DC  
Rating current 200mA  
Housing material Aluminum / Stainless steel  
Protection level IP68, IP69K



Electrical function□ 1NO (pulse) / 01 NC (pulse) / 10Z: NO latching  
Housing color◆ NT Natural anodized / BU Blue anodized / BK Black anodized / GD Gold anodized / GN Green anodized / RD Red anodized / SS Stainless steel  
Voltage 24VAC/DC  
Rating current 200mA  
Housing material Aluminum / Stainless steel  
Protection level IP68, IP69K



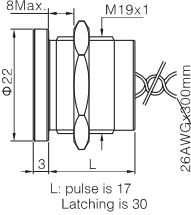
Electrical function 1NO (pulse) / 01 NC (pulse) / 10Z: NO latching  
Housing color NT Natural anodized / BU Blue anodized / BK Black anodized / GD Gold anodized / GN Green anodized / RD Red anodized / SS Stainless steel  
LED color **R** **G** **Y** **B** **W**  
Voltage 5V, 12V, 24V  
Rating current 200mA  
Housing material Aluminum / Stainless steel  
Protection level IP68



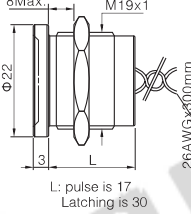
PART NUMBERS ON THIS DRAWING  
MR-PS123Z10YSS1 MR-PS161P MR-PS165P MR-PS165P-TR MR-PS165Z MR-PS193P MR-PS193P-LR  
MR-PS193P-TR MR-PS193Z MR-PS223P MR-PS223P-DOT MR-PS223P-TR MR-PS223Z MR-PS223Z-DOT  
MR-PS225P-LR

|                   |       |                           |                 |                    |
|-------------------|-------|---------------------------|-----------------|--------------------|
| PIEZO PUSH BUTTON |       |                           | Micro-Ray       |                    |
| MR-PS SERIES      |       |                           |                 |                    |
| PART NO           | MR-PS |                           |                 |                    |
| DWG NO            | MR-PS |                           | SHEET<br>2 OF 4 | REV<br>A           |
| UNITS: mm         |       | SCALE: NTS - DO NOT SCALE | SIZE<br>A4      | DATE<br>2026-09-22 |

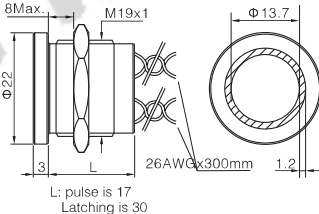
Electrical function ☐ 1NO (pulse) / 01 NC (pulse) / 10Z: NO latching  
Housing color ☒ NT Natural anodized / BU Blue anodized / BK Black anodized /  
GD Gold anodized / GN Green anodized / RD Red anodized /  
SS Stainless steel  
Voltage 24VAC/DC  
Rating current 200mA  
Housing material Aluminum / Stainless steel  
Protection level IP68, IP69K



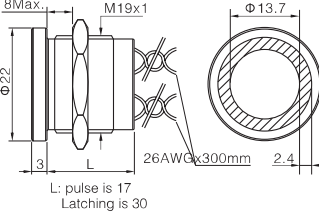
Electrical function ☐ 1NO (pulse) / 01 NC (pulse) / 10Z: NO latching  
Housing color ☒ NT Natural anodized / BU Blue anodized / BK Black anodized /  
GD Gold anodized / GN Green anodized / RD Red anodized /  
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Voltage 24VAC/DC  
Rating current 200mA  
Housing material Aluminum / Stainless steel  
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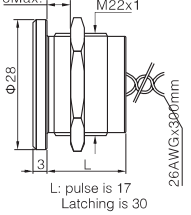
Electrical function ☐ 1NO (pulse) / 01 NC (pulse) / 10Z: NO latching  
Housing color ☒ NT Natural anodized / BU Blue anodized / BK Black anodized /  
GD Gold anodized / GN Green anodized / RD Red anodized /  
SS Stainless steel  
LED color ☒ R ☒ G ☒ Y ☒ B ☒ W  
Voltage 5V, 12V, 24V  
Rating current 200mA  
Housing material Aluminum / Stainless steel  
Protection level IP68



Electrical function ☐ 1NO (pulse) / 01 NC (pulse) / 10Z: NO latching  
Housing color ☒ NT Natural anodized / BU Blue anodized / BK Black anodized /  
GD Gold anodized / GN Green anodized / RD Red anodized /  
SS Stainless steel  
LED color ☒ R ☒ G ☒ Y ☒ B ☒ W  
Voltage 5V, 12V, 24V  
Rating current 200mA  
Housing material Aluminum / Stainless steel  
Protection level IP68



Electrical function ☐ 1NO (pulse) / 01 NC (pulse) / 10Z: NO latching  
Housing color ☒ NT Natural anodized / BU Blue anodized / BK Black anodized /  
GD Gold anodized / GN Green anodized / RD Red anodized /  
SS Stainless steel  
Voltage 24VAC/DC  
Rating current 200mA  
Housing material Aluminum / Stainless steel  
Protection level IP68, IP69K



PART NUMBERS ON THIS DRAWING  
MR-PS123Z10YSS1 MR-PS161P MR-PS165P MR-PS165P-TR MR-PS165Z MR-PS193P MR-PS193P-LR  
MR-PS193P-TR MR-PS193Z MR-PS223P MR-PS223P-DOT MR-PS223P-TR MR-PS223Z MR-PS223Z-DOT  
MR-PS225P-LR

|                   |       |                           |                 |                    |
|-------------------|-------|---------------------------|-----------------|--------------------|
| PIEZO PUSH BUTTON |       |                           | Micro-Ray       |                    |
| MR-PS SERIES      |       |                           |                 |                    |
| PART NO           | MR-PS |                           |                 |                    |
| DWG NO            | MR-PS |                           | SHEET<br>3 OF 4 | REV<br>A           |
| UNITS: mm         |       | SCALE: NTS - DO NOT SCALE | SIZE<br>A4      | DATE<br>2026-09-22 |

|                     |                                                                                                                                          |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical function | 1NO (pulse) / 01 NC (pulse) / 10Z: NO latching                                                                                           |
| Housing color       | NT Natural anodized / BU Blue anodized / BK Black anodized / GD Gold anodized / GN Green anodized / RD Red anodized / SS Stainless steel |
| Voltage             | 24VAC/DC                                                                                                                                 |
| Rating current      | 200mA                                                                                                                                    |
| Housing material    | Aluminum / Stainless steel                                                                                                               |
| Protection level    | IP68, IP69K                                                                                                                              |

L: pulse is 17  
Latching is 30

|                     |                                                                                                                                          |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical function | 1NO (pulse) / 01 NC (pulse)/10Z: NO latching                                                                                             |
| Housing color       | NT Natural anodized / BU Blue anodized / BK Black anodized / GD Gold anodized / GN Green anodized / RD Red anodized / SS Stainless steel |
| LED color           | R G Y B W                                                                                                                                |
| Voltage             | 5V, 12V, 24V                                                                                                                             |
| Rating current      | 200mA                                                                                                                                    |
| Housing material    | Aluminum / Stainless steel                                                                                                               |
| Protection level    | IP68                                                                                                                                     |

L: pulse is 17  
Latching is 30

|                     |                                                                                                                                          |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical function | 1NO (pulse) / 01 NC (pulse)/10Z: NO latching                                                                                             |
| Housing color       | NT Natural anodized / BU Blue anodized / BK Black anodized / GD Gold anodized / GN Green anodized / RD Red anodized / SS Stainless steel |
| LED color           | R G Y B W                                                                                                                                |
| Voltage             | 5V, 12V, 24V                                                                                                                             |
| Rating current      | 200mA                                                                                                                                    |
| Housing material    | Aluminum / Stainless steel                                                                                                               |
| Protection level    | IP68                                                                                                                                     |

L: pulse is 15.5  
Latching is 28.5

|                     |                                                                                                                                          |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical function | 1NO (pulse) / 01 NC (pulse)/10Z: NO latching                                                                                             |
| Housing color       | NT Natural anodized / BU Blue anodized / BK Black anodized / GD Gold anodized / GN Green anodized / RD Red anodized / SS Stainless steel |
| LED color           | R G Y B W                                                                                                                                |
| Voltage             | 5V, 12V, 24V                                                                                                                             |
| Rating current      | 200mA                                                                                                                                    |
| Housing material    | Aluminum                                                                                                                                 |
| Protection level    | IP68                                                                                                                                     |

L: pulse is 17  
Latching is 30

|                     |                                                                                                                                          |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical function | 1NO (pulse) / 01 NC (pulse)/10Z: NO latching                                                                                             |
| Housing color       | NT Natural anodized / BU Blue anodized / BK Black anodized / GD Gold anodized / GN Green anodized / RD Red anodized / SS Stainless steel |
| LED color           | R G Y B W                                                                                                                                |
| Voltage             | 5V, 12V, 24V                                                                                                                             |
| Rating current      | 200mA                                                                                                                                    |
| Housing material    | Aluminum                                                                                                                                 |
| Protection level    | IP68                                                                                                                                     |

L: pulse is 17  
Latching is 30

PART NUMBERS ON THIS DRAWING  
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MR-PS193P-TR MR-PS193Z MR-PS223P MR-PS223P-DOT MR-PS223P-TR MR-PS223Z MR-PS223Z-DOT  
MR-PS225P-LR

|                   |                           |                 |                    |
|-------------------|---------------------------|-----------------|--------------------|
| PIEZO PUSH BUTTON |                           | Micro-Ray       |                    |
| MR-PS SERIES      |                           |                 |                    |
| PART NO           | MR-PS                     |                 |                    |
| DWG NO            | MR-PS                     | SHEET<br>4 OF 4 | REV<br>A           |
| UNITS: mm         | SCALE: NTS - DO NOT SCALE | SIZE<br>A4      | DATE<br>2026-09-22 |