## Precision Limit Switches

## Precision Touch Limit Switches

- Ultra-small design (M5 or Ø5)
- 3 micron ( $\mu \mathrm{m}$ ) repeat accuracy
- No movement differential
- Dustproof / water-resistant (IP67) models available
- Stainless steel housings
- Metal bearing


O indicates correct target approach and orientation.
X indicates approach and orientation that should be avoided.

## Precision Touch Limit Switches Selection Chart

| Precision Touch Limit Switches Selection Chart |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Part Number | Price | Drawing Link | Actuator/Head Type* | Barrel | Barrel Diameter/ <br> Thread* | Stroke | Switching Output | Contact Force | Connection Type | Photo |
| Straight Touch |  |  |  |  |  |  |  |  |  |  |
| PT5M3WA | \$72.00 | PDF | $\varnothing 1.5 \mathrm{~mm}$ plunger, SR 2 mm | Threaded | M $5 \times 0.5$ | 1.5 mm | N.O. | 0.5 N | Core wire, 0.5 m length | A |
| PT5M3WB | \$72.00 | PDF |  |  |  |  | N.C. |  |  | B |
| PT5M3CB-L | \$86.00 | PDF |  |  |  |  |  |  | Cable, 2 m length | C |
| PT5S3CB-L | \$81.00 | PDF |  | Smooth | $\emptyset 5 \mathrm{~mm}$ |  |  |  |  | D |
| PTP5M3CB-L | \$94.00 | PDF |  | Threaded | M5 $\times 0.5$ |  |  | 0.8 N |  | E |
| PTP5S3CB-L | \$88.00 | PDF |  | Smooth | $\varnothing 5 \mathrm{~mm}$ |  |  |  |  | F |

* $\emptyset$ = diameter, SR = surface radius
-L: LED indicator (mounted in cable 120 mm from the switch)



## Precision Limit Switches



* Adjust the installed location of the switch by the signal switching point.
** At operating speed $50-200 \mathrm{~mm} /$ minute. Operating speed slower than $10 \mathrm{~mm} / \mathrm{min}$ is not recommended.


## Circuit Diagrams

| Without LED | With LED |
| :---: | :---: |
| Normally open (N.O.) | Normally open (N.O.) <br> LED Normally Off |
| Normally closed (N.C.) | Normally closed (N.C.) <br> LED Normally On |

