## Precision Limit Switches

## Sliding Angled Offset Touch Limit Switches

Sliding Angled Offset Touch

- Metal and plastic hemisphere actuators
- 5 micron ( $\mu \mathrm{m}$ ) repeat accuracy
- Stainless steel housing


O indicates correct target approach and orientation.

X indicates approach and orientation that should be avoided.

| Siding Angled Offiset Touch Limit Switches Selection Chart |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Part Number | Price | Drawing Link | Actuator/ Head Type* | Barrel Type | Barrel Diameter/Thread* | Stroke | Switching Output | Contact Force | Connection Type |
| Sliding Angled Offset Touch |  |  |  |  |  |  |  |  |  |
| CSHP085A-L |  | PDF | $\varnothing 4.7$ mm SR 3mm | Threaded | M8×0.5 | 2.8 mm (0.110 in) | N.O. | 1N | $2 \mathrm{~m}(6.56 \mathrm{ft})$ cable |
| CSHP085B-L |  | PDF | $\varnothing 4.7$ mm SR 3mm | Threaded | M8×0.5 | 2.8 mm (0.110 in) | N.C. | 1 N | $2 \mathrm{~m}(6.56 \mathrm{ft})$ cable |
| CSH121A-AL |  | PDF | $\varnothing 10$ hemisphere | Threaded | M12x1 | 2.8 mm (0.110 in) | N.O. | 1.5 N | $2 \mathrm{~m}(6.56 \mathrm{ft})$ cable |
| CSH121B-AL |  | PDF | $\varnothing 10$ hemisphere | Threaded | M12x1 | 2.8 mm (0.110 in) | N.C. | 1.5 N | $2 \mathrm{~m}(6.56 \mathrm{ft})$ cable |
| CSH121A-APL |  | PDF | $\varnothing 10$ hemisphere, plastic | Threaded | M12x1 | 2.8 mm (0.110 in) | N.O. | 1.5 N | $2 \mathrm{~m}(6.56 \mathrm{ft})$ cable |
| CSH121B-APL |  | PDF | $\varnothing 10$ hemisphere, plastic | Threaded | M12x1 | 2.8 mm (0.110 in) | N.C. | 1.5 N | $2 \mathrm{~m}(6.56 \mathrm{ft})$ cable |

* $\varnothing$ = diameter, SR = surface radius



CSH121A-AL


CSH121B-AL


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* At operating speed $50-200 \mathrm{~mm} /$ minute. Operating speed slower than $10 \mathrm{~mm} / \mathrm{min}$ is not recommended.


## Circuit Diagrams



LED Normally Off

Normally closed (N.C.)


LED Normally On

