

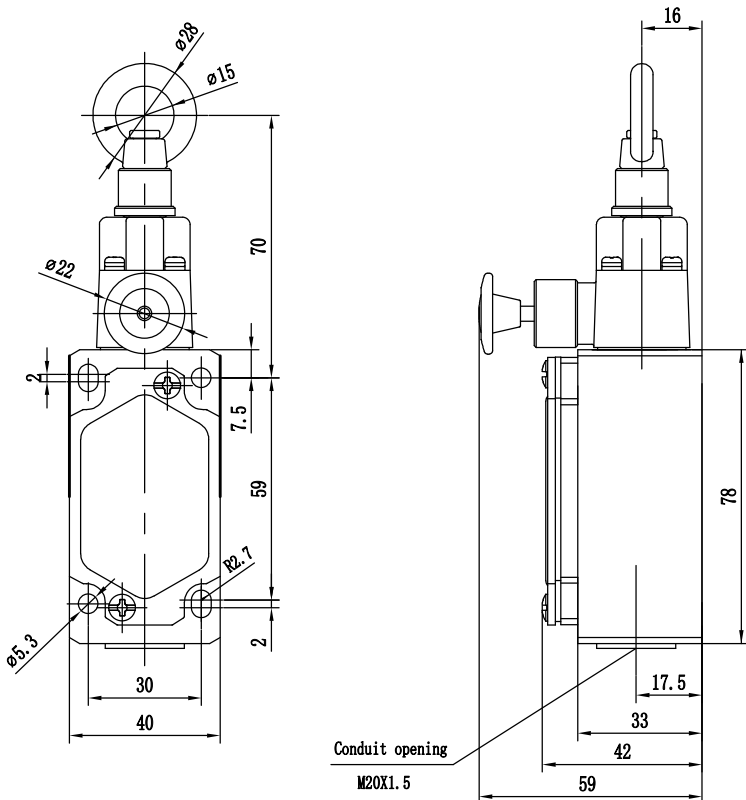
SUNS  
PART NUMBER  
SN6170-SL-C-R

| ZONE | DOCUMENT | CHANGED BY | CHECK | DATE |
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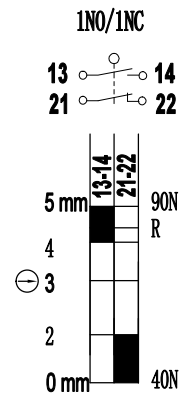
DRAWING NAME  
SN6170-SL-A-R

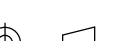
CONDUIT OPENING  
A-1/2NPT"  
B-PG13.5  
C-M20X1.5

| Specifications                          |                                                                                                                |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Operating Speed                         | 0.05mm-2m/sec                                                                                                  |
| Operating Frequency                     | Mechanical: 120ops/min<br>Electrical: 30 ops/min                                                               |
| Insulation Resistance                   | >100MΩ @500V DC                                                                                                |
| Contact Resistance                      | <25mΩ (initial value)                                                                                          |
| Rated Thermal Current                   | 10A                                                                                                            |
| Electrical Rating<br>(UL, cUL Approved) | AC 15 A600<br>DC 13 Q300                                                                                       |
| Dielectric Strength                     | 1000VAC for 1 min between<br>current carrying parts<br>2500VAC for 1 min between<br>non-current carrying parts |
| Service Life                            | Mechanically 1X10 <sup>6</sup><br>Electrically 5X10 <sup>5</sup>                                               |
| Operating Temperature                   | -25~+80° C (-13~176° F)<br>(with no icing )                                                                    |
| Humidity                                | <95%RH                                                                                                         |



Circuit Diagram



|                           |                                                                                                                                                                                                                                                                                                                                                         |                                                                                       |      |                                                                                                                                                       |               |                  |                       |  |           |              |            |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-----------------------|--|-----------|--------------|------------|
| CHARACTERISITCS :         | DEGREE OF PROTECTION :IP67                                                                                                                                                                                                                                                                                                                              | DESIGN UNITS: ■                                                                       |      | NAME                                                                                                                                                  | DATE          | <div>SUNS®</div> |                       |  |           |              |            |
|                           | CONTACT ARRANGEMENT :                                                                                                                                                                                                                                                                                                                                   | TOLERANCES UNLESS NOTED:                                                              |      | DRAWN                                                                                                                                                 | Y • JIANG     |                  |                       |  |           |              | 2024-05-31 |
|                           | <div></div> | NO PLACES X ± 1.000                                                                   |      | CHECK                                                                                                                                                 | QI • LI       |                  |                       |  |           |              | 2024-05-31 |
|                           |                                                                                                                                                                                                                                                                                                                                                         | ONE PLACE .X ± 0.4                                                                    |      | APPROVED                                                                                                                                              | SH • ZHANG    | 2024-05-31       | TITLE<br>SWITCH-BASIC |  |           |              |            |
|                           |                                                                                                                                                                                                                                                                                                                                                         | TWO PLACE .XX ± 0.15                                                                  |      | THIS DRAWING COVERS A PROPRIETARY ITEM<br>AND IS THE PROPERTY OF SUNS.<br>THIS DRAWING IS NOT TO BE COPIED OR USED<br>WITHOUT THE PERMISSION OF SUNS. |               |                  |                       |  |           |              |            |
| THREE PLACE .XXX ± 0.005  |                                                                                                                                                                                                                                                                                                                                                         | SIZE                                                                                  | TYPE |                                                                                                                                                       |               |                  |                       |  | CAGE CODE | DRAWING NAME | REV        |
| FOUR PLACE .XXXX ± 0.0050 |                                                                                                                                                                                                                                                                                                                                                         | A4                                                                                    | -    | -                                                                                                                                                     | SN6170-SL-C-R | 1                |                       |  |           |              |            |
| ANGLES X ± 3°             |                                                                                                                                                                                                                                                                                                                                                         | RASTER                                                                                |      |                                                                                                                                                       | SCALE 1:1     | SHEET 1 OF 1     |                       |  |           |              |            |
| THIRD ANGLE PROJECTION    |                                                                                                                                                                                                                                                                                                                                                         |  |      |                                                                                                                                                       |               |                  |                       |  |           |              |            |