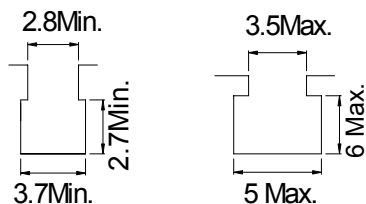


# SD-01-1 Series:



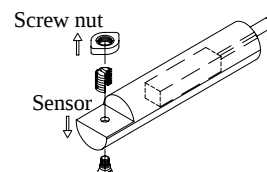
Groove :



Unit : mm



Patented : No. M260642



## Specification

| Type                 | SD - 01-1R                                          |  | SD - 01-1N                                  |  | SD - 01-1P                                  |  |
|----------------------|-----------------------------------------------------|--|---------------------------------------------|--|---------------------------------------------|--|
| Characteristics      |                                                     |  |                                             |  |                                             |  |
| Wiring               | 2Wire                                               |  | 3 Wire                                      |  |                                             |  |
| Connect Diagram      |                                                     |  |                                             |  |                                             |  |
| Switching logic      | Normally open                                       |  | Solid state output, Normally open           |  |                                             |  |
| Output               | Reed switch                                         |  | NPN Sinking                                 |  | PNP Sourcing                                |  |
| Lead wire type       | Horizontal                                          |  |                                             |  |                                             |  |
| Load voltage         | 5 ~ 120V DC/AC                                      |  | 5~28V DC                                    |  |                                             |  |
| Load current         | 100mA Max.                                          |  | 200mA Max.                                  |  |                                             |  |
| Switching rating     | 5W Max.                                             |  | 6W Max.                                     |  |                                             |  |
| Current consumption  | ---                                                 |  | 20mA Max.@ 24V                              |  | 18mA Max.@ 24V                              |  |
| Voltage drop         | 2.5V Max.@ 40mA DC                                  |  | 0.5V Max.@ 200mA (Resistive load)           |  |                                             |  |
| Leakage current      | ---                                                 |  | 0.01mA Max.                                 |  |                                             |  |
| Frequency            | 200Hz                                               |  | 1000Hz                                      |  |                                             |  |
| Shock                | 30G                                                 |  | 50G                                         |  |                                             |  |
| Vibration            | 90 m/s <sup>2</sup> (9G), Double amplitude 1.5 mm   |  |                                             |  |                                             |  |
| Insulation resistant | DC 500V 100MΩ ( Lead wire to case )                 |  |                                             |  |                                             |  |
| Withstand voltage    | AC 1000V ( 50/60Hz ) 1 minute ( Lead wire to case ) |  |                                             |  |                                             |  |
| CE & Protection IP   | EN60947-5-2 IEC529 IP67(NEMA 6)                     |  |                                             |  |                                             |  |
| Indicator            | Red LED                                             |  |                                             |  | Green LED                                   |  |
| Cable                | 2.6φ ,2C, Gray PVC                                  |  | 2.6φ ,3C, Black PVC                         |  |                                             |  |
| Temperature range    | -10 ~ 70                                            |  |                                             |  |                                             |  |
| Protection circuit   | ---                                                 |  | Reverse polarity; Surge suppression         |  |                                             |  |
| Dimensions           | SD-01-1R<br>SD-01-1R-M8QD<br>SD-01-1R-M12QD         |  | SD-01-1N<br>SD-01-1N-M8QD<br>SD-01-1N-M12QD |  | SD-01-1P<br>SD-01-1P-M8QD<br>SD-01-1P-M12QD |  |
|                      |                                                     |  |                                             |  |                                             |  |
|                      |                                                     |  |                                             |  |                                             |  |
|                      |                                                     |  |                                             |  |                                             |  |
| M8&M12-Connector     |                                                     |  |                                             |  |                                             |  |