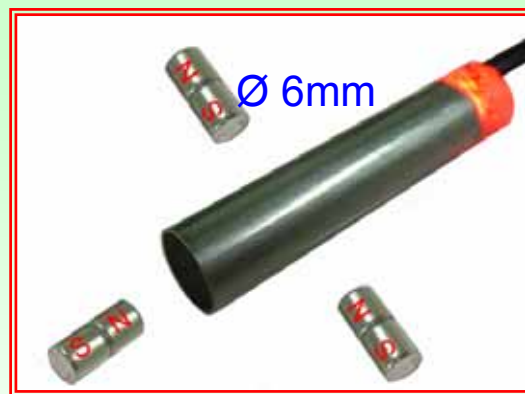
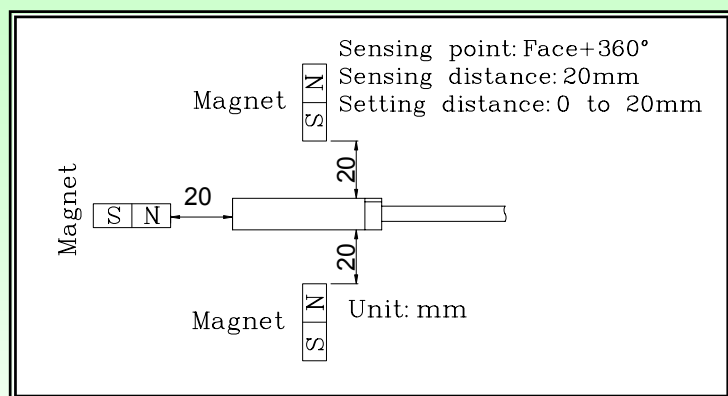


# SD-51 Series:



## Specification

| Type                 | SD - 51R                                            |                                       | SD - 51N                              |                       | SD - 51P                |
|----------------------|-----------------------------------------------------|---------------------------------------|---------------------------------------|-----------------------|-------------------------|
| 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 ~ 240V DC/AC                                      |                                       | 5~28V DC                              |                       |                         |
| Load current         | 100mA Max.                                          |                                       | 200mA Max.                            |                       |                         |
| Switching rating     | 10W 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                | 4.0φ ,2C, Gray PVC                                  |                                       | 4.0φ ,3C, Black PVC                   |                       |                         |
| Temperature range    | -10 ~ 70                                            |                                       |                                       |                       |                         |
| Protection circuit   | ---                                                 |                                       | Reverse polarity; Surge suppression   |                       |                         |
| Dimensions           | SD-51R<br>SD-51R-M8QD<br>SD-51R-M12QD               | SD-51N<br>SD-51N-M8QD<br>SD-51N-M12QD | SD-51P<br>SD-51P-M8QD<br>SD-51P-M12QD | M8 ( 2-Wire QD Link ) | M8 ( 2-Wire E-QD Link ) |
|                      |                                                     |                                       |                                       |                       |                         |
| M8&M12-Connector     |                                                     |                                       |                                       | M8 ( 3-Wire QD Link ) | M12 ( 3-Wire QD Link )  |
|                      |                                                     |                                       |                                       |                       |                         |