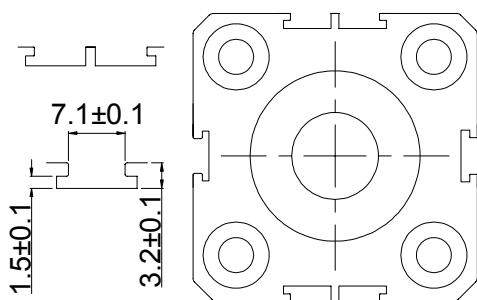


# SD-10 Series:



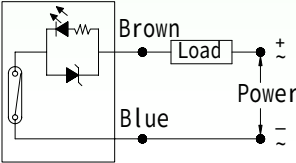
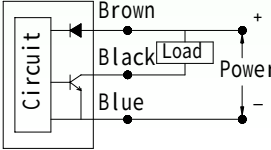
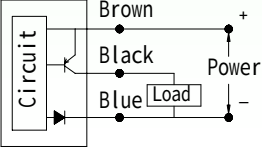
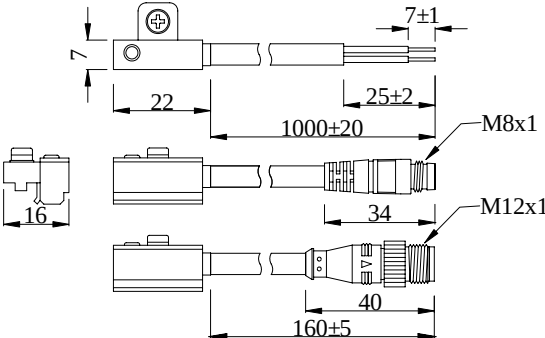
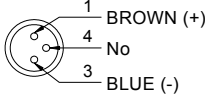
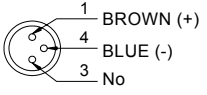
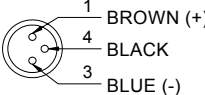
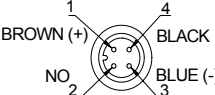
Groove : KOGANEI



Unit : mm



## Specification

| Type                 | SD - 10R                                                                            |  | SD - 10N                                                                           |  | SD - 10P                                                                            |                                                                                       |                                                                                       |
|----------------------|-------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 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                | 3.3φ, 2C, Gray PVC                                                                  |  | 3.3φ, 3C, Black PVC                                                                |  |                                                                                     |                                                                                       |                                                                                       |
| Temperature range    | -10 ~ 70°C                                                                          |  |                                                                                    |  |                                                                                     |                                                                                       |                                                                                       |
| Protection circuit   | ---                                                                                 |  | Reverse polarity; Surge suppression                                                |  |                                                                                     |                                                                                       |                                                                                       |
| Dimensions           | SD-10R<br>SD-10R-M8QD<br>SD-10R-M12QD                                               |  | SD-10N<br>SD-10N-M8QD<br>SD-10N-M12QD                                              |  | SD-10P<br>SD-10P-M8QD<br>SD-10P-M12QD                                               | M8 ( 2-Wire QD Link)                                                                  | M8 ( 2-Wire E-QD Link)                                                                |
|                      |  |  |                                                                                    |  |                                                                                     |  |  |
|                      |                                                                                     |  |                                                                                    |  |                                                                                     | M8 ( 3-Wire QD Link)                                                                  | M12 ( 3-Wire QD Link)                                                                 |
|                      |                                                                                     |  |                                                                                    |  |                                                                                     |  |  |