

### Cylinder Switch

CS1-U  
CS1-F  
CS1-S  
CS1-J  
CS1-C  
CS1-S,  
CS1-M  
**CS1-G**  
CS1-G,  
CS1-M,  
CS1-J,  
CS1-D  
CS1-H  
CS1-L  
CS1-E  
CS1-Z

M8

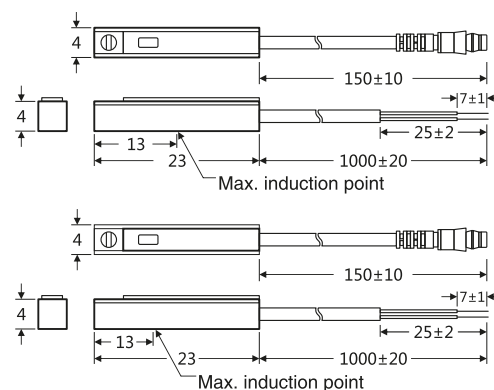
Fixation clamp

Fixation belt



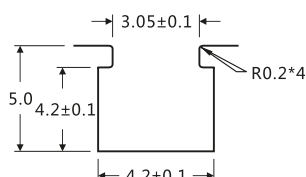
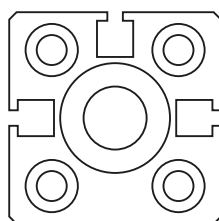
CS1-G  
CS1-G-QD

CS1-GN  
CS1-GN-QD  
CS1-GP  
CS1-GP-QD

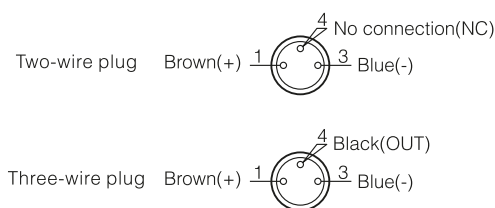


| Characteristic               | type | CS1-G                                | CS1-GN                               | CS1-GP                      |
|------------------------------|------|--------------------------------------|--------------------------------------|-----------------------------|
| Switch logic                 |      | SPST NO                              | Electrical Non-contact; NO           |                             |
| Sensor type                  |      | Contact-reed style                   | Non-contact solid state NPN          | Non-contact solid state PNP |
| Opreating voltage            |      | 5~240V DC/AC                         | 5~30V DC                             |                             |
| Switching current            |      | 100mA max                            | 200mA max                            |                             |
| Contact rating               |      | 10W max                              | 6W max                               |                             |
| Internal current consumption |      | Non                                  | 20mA max@24V (Switch active)         |                             |
| Voltage drop                 |      | 2.5V max@100mA                       | 0.5V max@200mA                       |                             |
| Leakage current              |      | Non                                  | 0.01mA max                           |                             |
| Indicator                    |      | Red LED                              | Red LED                              | Green LED                   |
| Cable                        |      | 3.2Φ, 2C, Brown-oil resistance (PVC) | 3.2Φ, 3C, Black-oil resistance (PVC) |                             |
| Sensitivity (Note 1)         |      | 60 Gauss                             |                                      |                             |
| Max.switch frequency         |      | 1000Hz                               | 1000Hz                               |                             |
| Temperature range            |      | -10~70℃                              |                                      |                             |
| Shock (Note 2)               |      | 30G                                  | 50G                                  |                             |
| Vibration (Note 3)           |      | 9G                                   |                                      |                             |
| Protection classification    |      | IEC 529 IP67(NEMA6)                  |                                      |                             |
| Protection circuit           |      | Without                              | With protection circuit              |                             |
| Circuit diagram              |      |                                      |                                      |                             |

Suitable for groove size 4\*4



QD connector diagram



### Note:

- Standard magnet for measurement:  $\Phi 15.5 \times \Phi 8 \times 5T$  (orthorhombic rubber magnet).
- Sine wave/X, Y, Z 3 axial/3 loops (each direction) /11ms.
- The complex amplitude is 1.5mm/10Hz~55Hz~10Hz (reciprocating for 1 minute) /X, Y, Z 3 axial/hour (each cycle).