

# CS - 100N(P) series - Sensor switch

CHELIC PNEUMATIC



● Solid state sensor switch

● Suitable for cylinder

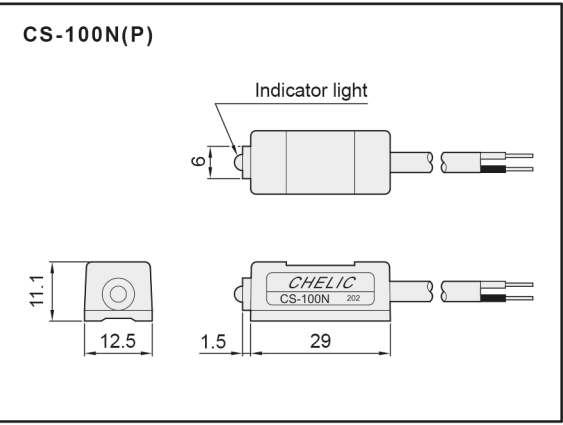
| Model      | Cylinder | Bore size |
|------------|----------|-----------|
| CS-100N(P) | FDA      | Ø20~Ø40   |
|            | DBF      | Ø20~Ø40   |
|            | DBS      | Ø20~Ø40   |
|            | DBT      | Ø25~Ø40   |
|            | DMB      | Ø32~Ø100  |
|            | DU       | Ø40~Ø200  |
|            | DCK2     | Ø40~Ø80   |
|            | RTU      | Ø32~Ø40   |

● Specification

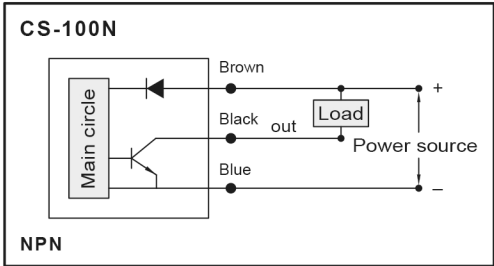
| Item                       | Model | CS-100N                                      | CS-100P |
|----------------------------|-------|----------------------------------------------|---------|
| Wiring system              |       | Three wires                                  |         |
| Switching voltage          | V     | DC : 5 ~ 30V                                 |         |
| Switching current          | mA    | 200mA MAX.                                   |         |
| Contact capacity           |       | < 1ms (1000Hz)                               |         |
| Contact                    |       | Normal open                                  |         |
| Contact                    |       | NPN. Current sinking   PNP. Current sourcing |         |
| Voltage drop               |       | 1.5 V MAX.                                   |         |
| Voltage consumption        |       | OFF : 7 mA (24V) ON : 15 mA (24V) MAX.       |         |
| Color of indicator light   |       | Red                                          | Green   |
| Operating temp             | °C    | -10° ~ 70°                                   |         |
| Protection grade           |       | IP - 67                                      |         |
| Cable                      |       | Ø 4 , 3 Single wire × 2M                     |         |
| Weight                     | g     | 50 ± 2                                       |         |
| Contact protective circuit |       | Yes                                          |         |

● Dimension

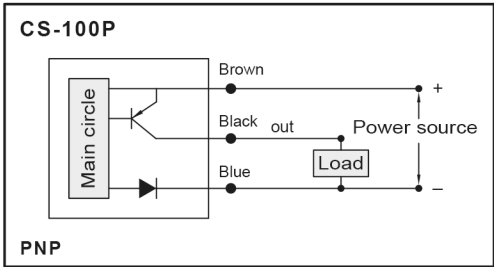
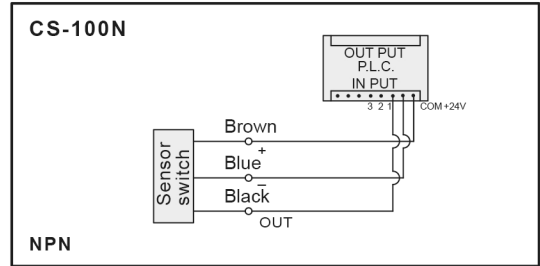
Unit : mm



● Sensor switch circuit and Connection diagram



● Wire connection diagram of programmable controller (NPN)



● Wire connection diagram of programmable controller (PNP)

