

# 環型近接開關

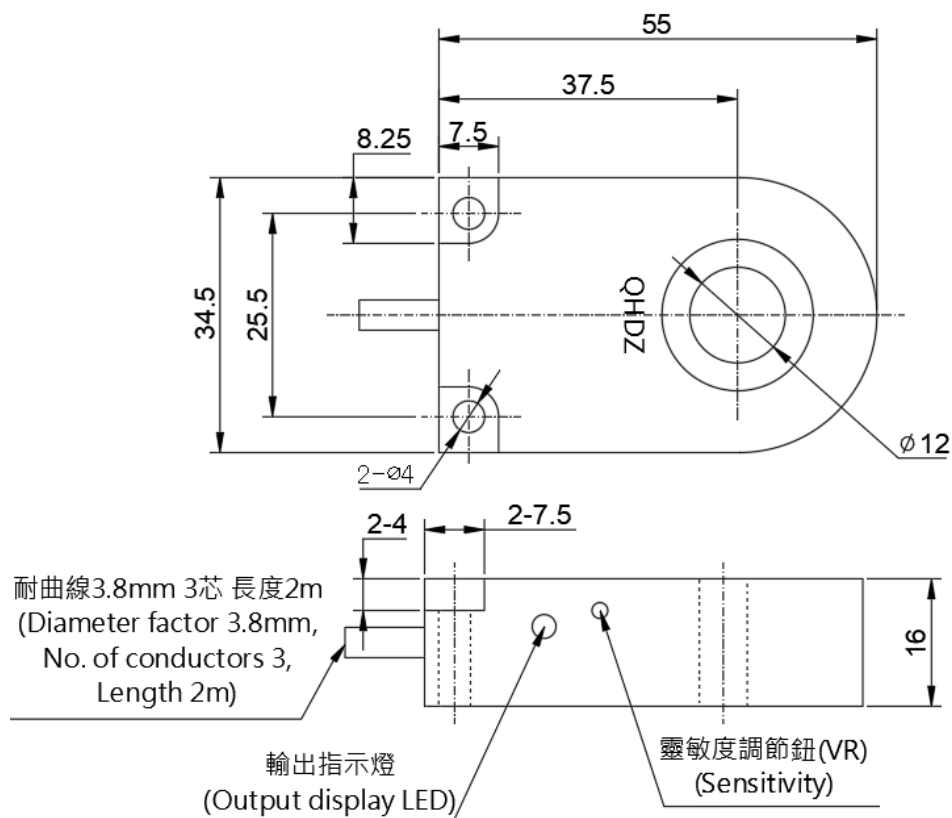
(Ring Inductive Proximity Sensor)

QR



| 型號(Model)                         | QR-12N                                                                                                                       | QR-12N2 | QR-12P | QR-12P2 |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------|---------|--------|---------|
| 檢出方式<br>(Sensing type)            | 透過型<br>(Through-beam type)                                                                                                   |         |        |         |
| 輸出模式<br>(Output method)           | NPN.NO                                                                                                                       | NPN.NC  | PNP.NO | PNP.NC  |
| 檢測物體<br>(Sensing object)          | 直徑 12 mm 鐵<br>(Iron 12 mm Diameter)                                                                                          |         |        |         |
| 最小檢測物<br>(Minimal sensing object) | 直徑 1.2 mm 鐵<br>(Iron 1.2 mm Diameter)                                                                                        |         |        |         |
| 反應時間<br>(Response time)           | 1 ms (Max)                                                                                                                   |         |        |         |
| 迴路保護<br>(Protection loop)         | 極性迴路保護和輸出短路保護<br>(Load short circuit protection and no circuit protection)                                                   |         |        |         |
| 工作電壓<br>(Operating voltage)       | 10~30 VDC                                                                                                                    |         |        |         |
| 消耗電流<br>(Current consumption)     | ≤15 mA                                                                                                                       |         |        |         |
| 負載電流<br>(Load current)            | DC24V 200 mA (Max)                                                                                                           |         |        |         |
| 漏電流<br>(Leakage current)          | ≤0.1 mA                                                                                                                      |         |        |         |
| 絕緣耐壓<br>(Dielectric strength)     | 1000VAC 60 HZ for 60sec                                                                                                      |         |        |         |
| 工作溼度範圍<br>(Ambient humidity)      | 35%~95% RH                                                                                                                   |         |        |         |
| 工作溫度範圍<br>(Operating temperature) | -25 °C~+70 °C (不結霜、不結冰) · -30 °C ~ +80 °C (保存)<br>(-25 °C to +70 °C with no icing or condensation, -30 °C to +80 °C Storage) |         |        |         |
| 外觀材質<br>(Material)                | PBT                                                                                                                          |         |        |         |
| 防水等級<br>(Protection degree)       | IP66                                                                                                                         |         |        |         |
| 出線方式<br>(Wiring method)           | 耐曲線 Ø3.8 mm×2 M / 3 線<br>(Diameter factor Ø3.8 mm, No. of conductors 3, Length 2 m)                                          |         |        |         |
| 重量<br>(Weight)                    | 約 70 g<br>(Approx. 70 g)                                                                                                     |         |        |         |

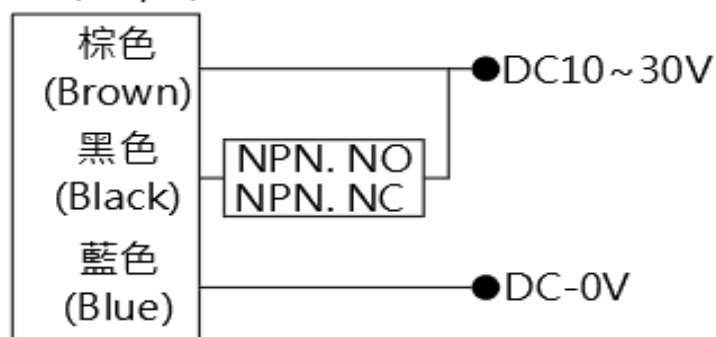
# 尺寸圖(Dimensions)



單位(unit) : mm

# 接線圖(Wiring diagrams)

輸出模式 (Output) : NPN



輸出模式 (Output) : PNP

