

◆Characteristics / 特點：

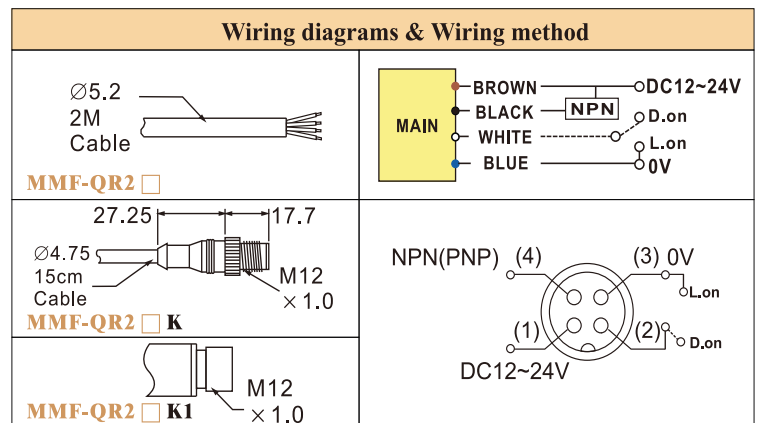
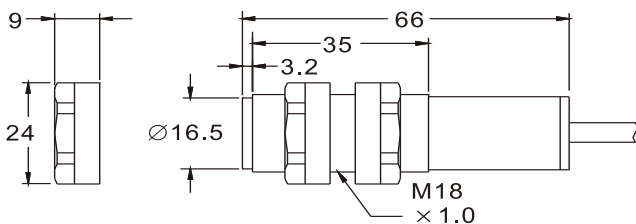
- Using high brightness red LED, its light-spot is visible and clear.
/採用超高亮度紅色發光LED，光點清晰可見。
- It is easy to detect transparent objects.
/易於簡單辨別透明物體檢出。



◆Specifications / 規格表：

Model / 型號	MMF-QR2□	MMF-QR2□K	MMF-QR2□K1
Sensing type / 檢出方式	Retroreflective(Red LED) / 鏡片反射式(紅光)		
Sensing distance / 檢出距離	2M		
Emitting light / 發光源	Infrared LED 650 nm		
Operating voltage / 工作電壓	DC12 ~ 24 V		
Current Consumption / 消耗電流	25 mA Max.		
Load current / 負載電流	200mA Max. at DC24V		
Output type / 輸出模式	□N : NPN L.on/D.on / □P : PNP L.on/D.on		
Response time / 反應時間	1.5 ms Max.		
Insulation resistance / 隔離阻抗	20MΩ min. (DC500V)		
Voltage withstandability / 絕緣耐壓	AC1000V 60Hz for 60 Sec.		
Operating temperature/工作溫度	- 20 °C ~ + 60°C		
Ambient humidity / 工作溼度	35% ~ 85% RH		
Protection degree / 防水等級	IP66		
Material / 外觀材質	Nickel plated brass		
Wiring method / 出線方式	Pre-wired Ø5.2 x 2 M / 4-wires	M12 pigtailed connector type / M12 接頭15cm電線式	M12 plug-in connector type / M12 接頭
Weight / 重量	Approx.105g	Approx.50g	Approx.40g

◆Dimensions/尺寸圖：



◆Clearly visible red LED / 清晰可見的紅光LED

The visible red LED is available at the distance of 40cm. It is easy for your installation and detection.
/使用紅光LED，即使在40cm的距離，一樣可以清楚的看見紅光，讓您在安裝檢測時更方便。

