




Rectangular Inductive Proximity Sensor

SN

◆Shape / 外觀 :					Photo Sensor
◆Specifications / 規格表 :					Area Sensor
Output method / 輸出模式	NPN N.C.	SN20-N2	SN20-N2K	-	Inductive Proximity Sensor
	PNP N.O.	SN20-P	SN20-PK	-	
	PNP N.C.	SN20-P2	SN20-P2K	-	
	NPN N.O./N.C. PNP N.O./N.C.	SN20-KP2	-	-	
	SCR N.O.	-	-	SN20-A	
	SCR N.C.	-	-	SN20-A2	
Sensing Surface / 檢測方向	Top surface / 前方		Top surface / 前方		Capacitive Proximity Sensor
Standard sensing object / 標準檢測物	Iron 40 x 40 x 1mm		Iron 40 x 40 x 1mm		
Sensing distance / 檢出距離	20 mm		20 mm		Timer / Counter
Secure sensing distance / 建議距離	0 to 16 mm		0 to 16 mm		
Hysteresis / 遲滯	≤ 10 % of sensing distance		≤ 10 % of sensing distance		
Response time / 反應時間	20 ms Max.		50 ms Max.		
Operating voltage / 工作電壓	DC 10 ~ 30V		AC 90 ~ 260V		
Current consumption / 消耗電流	≤ 8 mA no-load		2 mA Max		
Load current / 負載電流	100 mA Max at DC 30V		5 ~ 300 mA Max		
Leakage current / 漏電流	≤ 1.1 mA no-load		≤ 2.0 mA no-load		
Residual voltage / 殘餘電壓	≤ DC 1.5V		≤ AC 4V		
Insulation resistance / 隔離阻抗	20M Ω min. (DC500V)		20M Ω min. (DC500V)		
Voltage withstandability / 絕緣耐壓	AC1000V 60Hz for 60 Sec.		AC1000V 60Hz for 60 Sec.		
Operating temperature / 工作溫度範圍	-20 °C ~ + 60°C		-20 °C ~ + 60°C		
Protection degree / 防水等級	IP 66	IP 66	IP 66		Accessories
Wiring method / 出線方式	Pre-wired Ø5.2 x 2M/3-wires (Kp2:Ø5.2 x 2M/4 wires)	M12 pigtailed type /M12 接頭15cm 電線式	Pre-wire Ø5.2 x 2M/2-wires		
Weight / 重量	Approx.170g	Approx.118g	Approx.170g		
◆Dimensions/尺寸圖 :	