



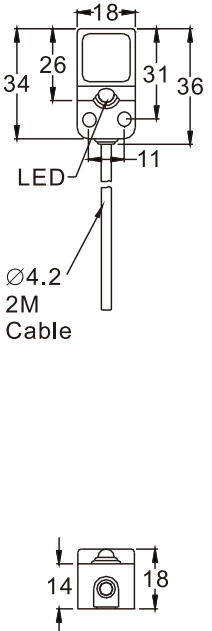
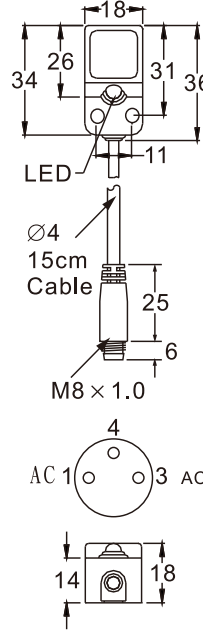
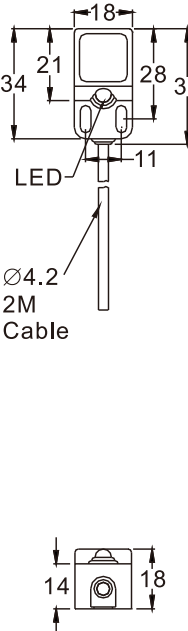
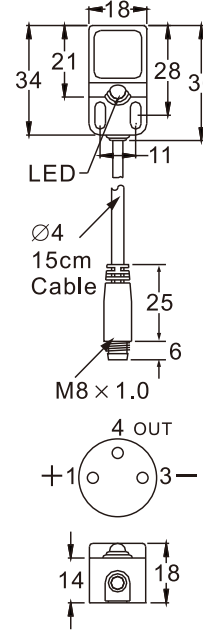


Photo Sensor	◆Shape / 外觀 :					
Area Sensor	◆Specifications / 規格表 :					
Inductive Proximity Sensor	Output method / 輸出模式	NPN N.O.	-	-	<b>SN04-N</b>	<b>SN04-ND</b>
		NPN N.C.	-	-	<b>SN04-N2</b>	<b>SN04-N2D</b>
		PNP N.O.	-	-	<b>SN04-P</b>	<b>SN04-PD</b>
		PNP N.C.	-	-	<b>SN04-P2</b>	<b>SN04-P2D</b>
		NPN N.O./N.C. PNP N.O./N.C.	-	-	-	-
Capacitive Proximity Sensor		SCR N.O.	<b>SN04-A</b>	<b>SN04-AD</b>	-	-
		SCR N.C.	<b>SN04-A2</b>	<b>SN04-A2D</b>	-	-
	Sensing Surface / 檢測方向	Top surface / 前方		Top surface / 前方		
	Standard sensing object / 標準檢測物	Iron 18 x 18 x 1mm		Iron 18 x 18 x 1mm		
	Sensing distance / 檢出距離	4 mm		4 mm		
	Secure sensing distance / 建議距離	0 to 3.2 mm		0 to 3.2 mm		
Timer / Counter	Hysteresis / 遲滯	≤ 10 % of sensing distance		≤ 10 % of sensing distance		
	Response time / 反應時間	50 ms Max.		2 ms Max.		
	Operating voltage / 工作電壓	DC 90 ~ 260V		DC 10 ~ 30V		
	Current consumption / 消耗電流	2mA Max		≤ 8 mA no-load		
	Load current / 負載電流	5~100 mA Max.		100 mA Max. at DC 30V		
	Leakage current / 漏電流	≤ 2.0 mA no-load		≤ 1.1 mA no-load		
Others	Residual voltage / 殘餘電壓	≤ AC 4V		≤ DC 1.5V		
	Insulation resistance / 隔離阻抗	20MΩ min. (DC500V)		20MΩ 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		
Accessories	Protection degree / 防水等級	IP 66	IP 66	IP 66	IP 66	
	Wiring method / 出線方式	Pre-wire Ø4.2 x 2M/2-wires	M8 pigtailed type /M8 接頭15cm 電線式	Pre-wire Ø4.2 x 2M/3-wires	M8 pigtailed type /M8 接頭15cm 電線式	
	Weight / 重量	Approx.56g	Approx.15g	Approx.60g	Approx.18g	
	◆Dimensions/尺寸圖 :					

# Rectangular Inductive Proximity Sensor

# SN





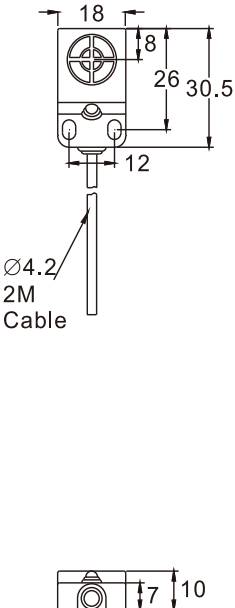
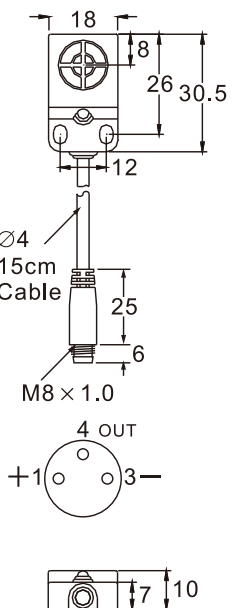
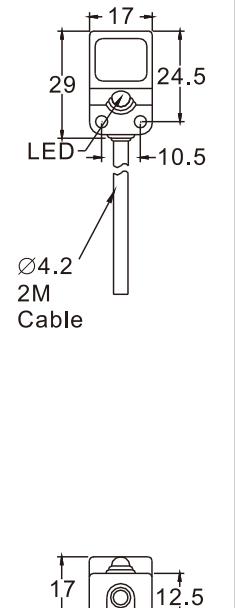
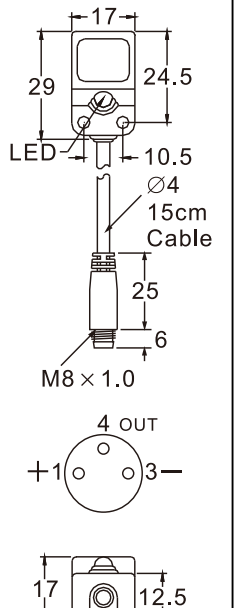
◆Shape / 外觀 :					
◆Specifications / 規格表 :					
Output method / 輸出模式	NPN N.O.	SND04-N	SND04-ND	SN05-N	SN05-ND
	NPN N.C.	SND04-N2	SND04-N2D	SN05-N2	SN05-N2D
	PNP N.O.	SND04-P	SND04-PD	SN05-P	SN05-PD
	PNP N.C.	SND04-P2	SND04-P2D	SN05-P2	SN05-P2D
	NPN N.O./N.C. PNP N.O./N.C.	-	-	-	-
	SCR N.O.	-	-	-	-
	SCR N.C.	-	-	-	-
Sensing Surface / 檢測方向		Front surface / 上方		Top surface / 前方	
Standard sensing object / 標準檢測物		Iron 18 x 18 x 1mm		Iron 18 x 18 x 1mm	
Sensing distance / 檢出距離		4 mm		4 mm	
Secure sensing distance / 建議距離		0 to 3.2 mm		0 ~ 3.2 mm	
Hysteresis / 遲滯		≤ 10 % of sensing distance		≤ 10 % of sensing distance	
Response time / 反應時間		2 ms Max.		2 ms Max.	
Operating voltage / 工作電壓		DC 10 ~ 30V		DC 10 ~ 30V	
Current consumption / 消耗電流		≤ 8 mA no-load		≤ 8 mA no-load	
Load current / 負載電流		100 mA Max at DC 30V		100 mA Max at DC 30V	
Leakage current / 漏電流		≤ 1.1 mA no-load		≤ 1.1 mA no-load	
Residual voltage / 殘餘電壓		≤ DC 1.5V		≤ DC 1.5V	
Insulation resistance / 隔離阻抗		20MΩ min. (DC500V)		20MΩ 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	IP 66
Wiring method / 出線方式		Pre-wire Ø4.2 x 2M/3-wires	M8 pigtailed type /M8 接頭15cm 電線式	Pre-wire Ø4.2 x 2M/3-wires	M8 pigtailed type /M8 接頭15cm 電線式
Weight / 重量		Approx.60g	Approx.18g	Approx.60g	Approx.18g
◆Dimensions/尺寸圖 :					

Photo Sensor

Area Sensor




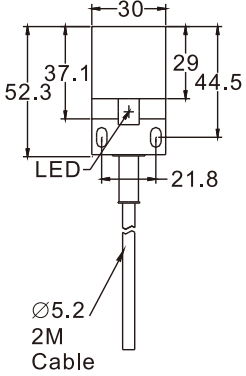
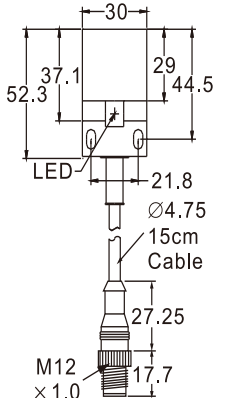
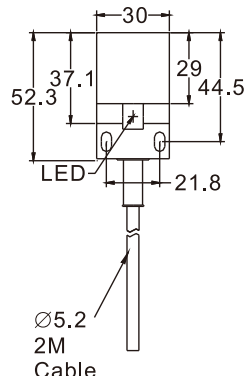
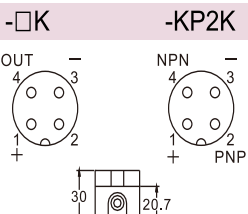
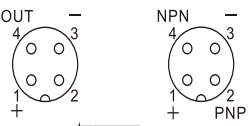

Inductive Proximity Sensor

Capacitive Proximity Sensor

Timer / Counter




Others

Accessories

Photo Sensor	◆Shape / 外觀 :				
Area Sensor	◆Specifications / 規格表 :				
Inductive Proximity Sensor	Output method / 輸出模式	NPN N.O.	SN10-N	SN10-NK	-
		NPN N.C.	SN10-N2	SN10-N2K	-
		PNP N.O.	SN10-P	SN10-PK	-
		PNP N.C.	SN10-P2	SN10-P2K	-
		NPN N.O./N.C. PNP N.O./N.C.	SN10-KP2	-	-
		SCR N.O.	-	-	SN10-A
		SCR N.C.	-	-	SN10-A2
Capacitive Proximity Sensor	Sensing Surface / 檢測方向	Top surface / 前方		Top surface / 前方	
	Standard sensing object / 標準檢測物	Iron 30 x 30 x 1mm		Iron 30 x 30 x 1mm	
	Sensing distance / 檢出距離	10 mm		10 mm	
	Secure sensing distance / 建議距離	0 to 8 mm		0 to 8 mm	
	Hysteresis / 遲滯	≤ 10 % of sensing distance		≤ 10 % of sensing distance	
	Response time / 反應時間	3.3 ms Max.		50 ms Max.	
	Operating voltage / 工作電壓	DC 10 ~ 30V		AC 90 ~ 260V	
Timer / Counter	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	
Others	Protection degree / 防水等級	IP 66	IP 66	IP 66	
	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.125g	Approx.70g	Approx.125g	
	Accessories	◆Dimensions/尺寸圖 :			
					
					
					

# 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.	<b>SN20-N2</b>	<b>SN20-N2K</b>	-	Inductive Proximity Sensor
	PNP N.O.	<b>SN20-P</b>	<b>SN20-PK</b>	-	
	PNP N.C.	<b>SN20-P2</b>	<b>SN20-P2K</b>	-	
	NPN N.O./N.C. PNP N.O./N.C.	<b>SN20-KP2</b>	-	-	Capacitive Proximity Sensor
	SCR N.O.	-	-	<b>SN20-A</b>	
	SCR N.C.	-	-	<b>SN20-A2</b>	
Sensing Surface / 檢測方向	Top surface / 前方		Top surface / 前方		Timer / Counter
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		
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	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 :		