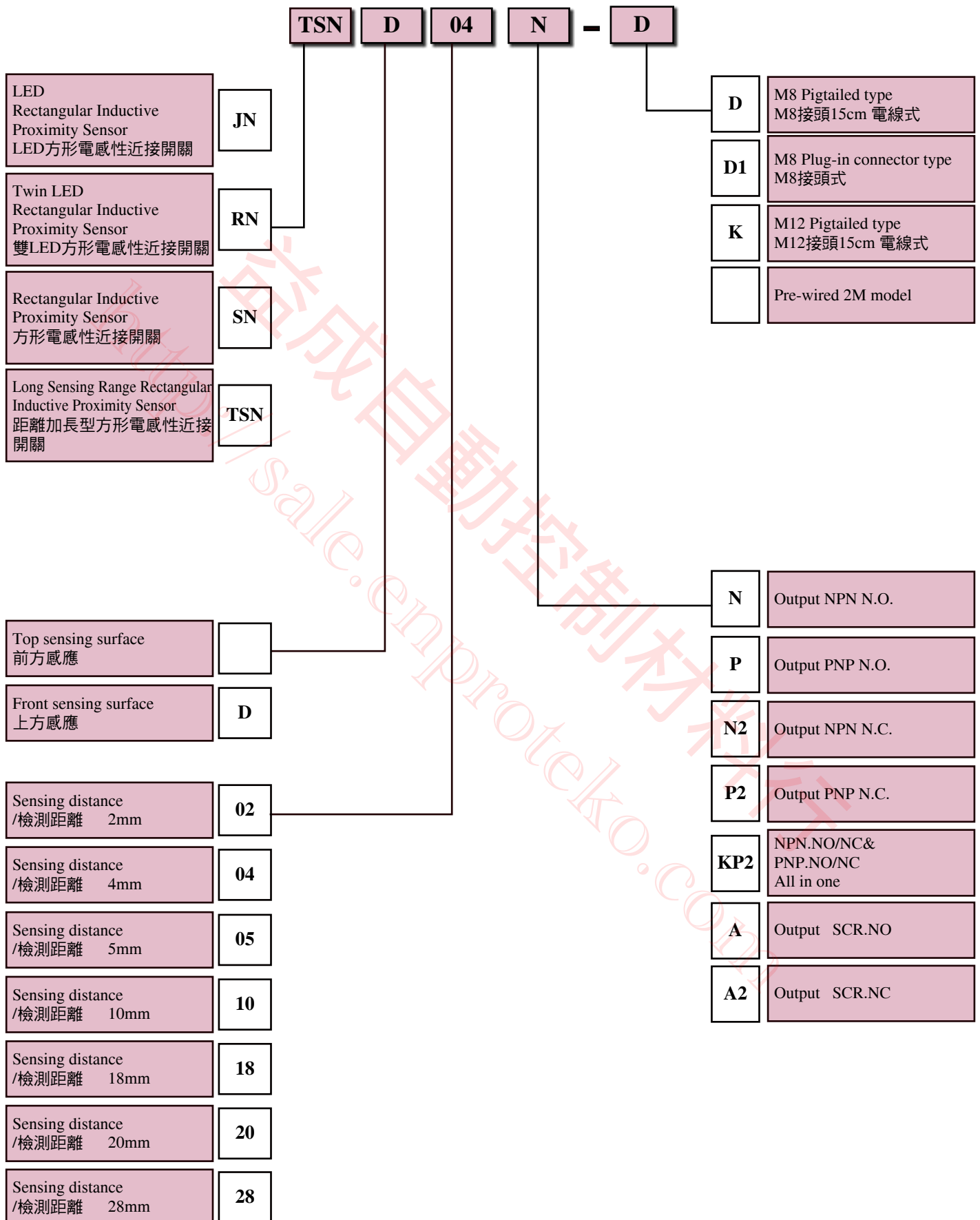


Rectangular Inductive Proximity Sensor

OPTIONS

◆ Order Information / 訂貨索引 :



Fiber
Photo Sensor
Area Sensor
Ultrasonic Sensors
Inductive Proximity Sensor
Capacitive Proximity Sensor
Timer / Counter
Others
Accessories

JN/JND

Rectangular Inductive Proximity Sensor

Fiber
Photo Sensor
Area Sensor
Ultrasonic Sensors
Inductive Proximity Sensor
Capacitive Proximity Sensor
Timer / Counter
Others
Accessories

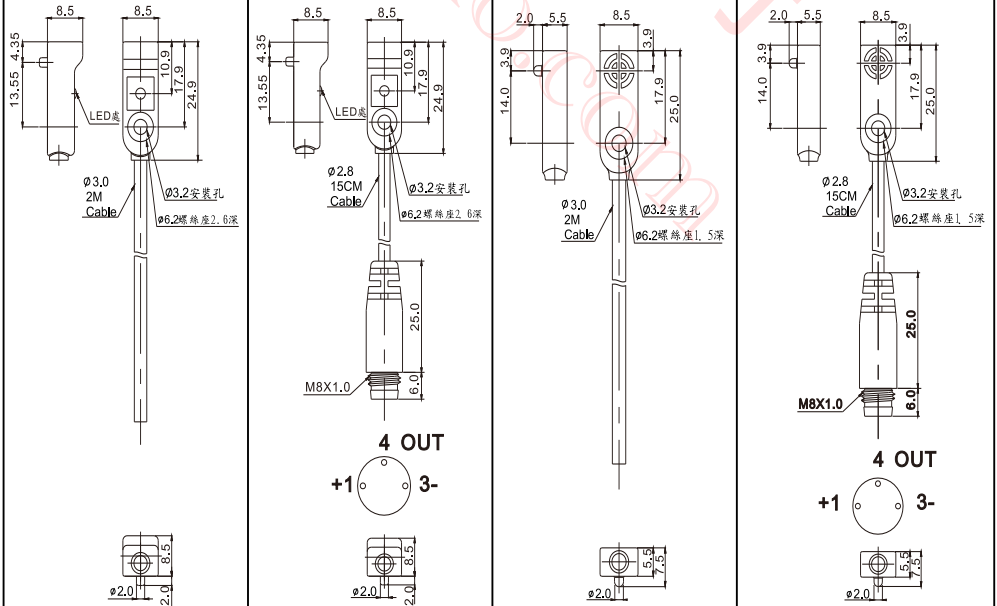
◆Shape / 外觀 :



◆Specifications / 規格表 :

Output method / 輸出模式	NPN N.O.	JN02-N	JN02-ND	JND02-N	JND02-ND
	NPN N.C.	-	-	-	-
	PNP N.O.	JN02-P	JN02-PD	JND02-P	JND02-PD
	PNP N.C.	-	-	-	-
	NPN N.O./N.C.	-	-	-	-
	PNP N.O./N.C.	-	-	-	-
	SCR N.O.	-	-	-	-
	SCR N.C.	-	-	-	-
Sensing Surface / 檢測方向	Top surface / 前方			Front surface / 上方	
Standard sensing object / 標準檢測物	Iron 8 x 8 x 1mm			Iron 8 x 8 x 1mm	
Sensing distance / 檢出距離	2 mm			2 mm	
Secure sensing distance / 建議距離	0 to 1.6 mm			0 to 1.6 mm	
Hysteresis / 遲滯	≤ 10 % of sensing distance			≤ 10 % of sensing distance	
Response time / 反應時間	1 ms Max.			1 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	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 64	IP 64	IP 64	IP 64	IP 64
Wiring method / 出線方式	Pre-wire Ø3 x 2M/3-wires	M8 pigtailed type /M8 接頭15cm 電線式	Pre-wire Ø3 x 2M/3-wires	M8 pigtailed type /M8 接頭15cm 電線式	M8 pigtailed type /M8 接頭15cm 電線式
Weight / 重量	Approx.30g	Approx.10g	Approx.28g	Approx.10g	Approx.10g

◆Dimensions/尺寸圖 :



Rectangular Inductive Proximity Sensor

JN/JND

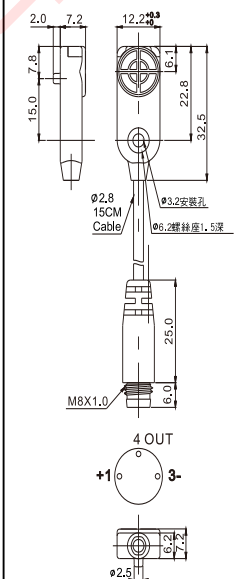
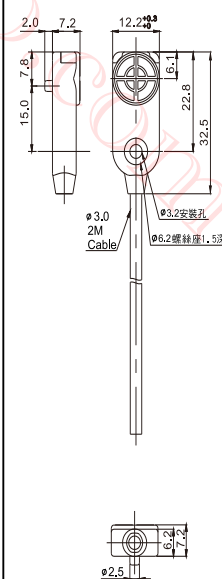
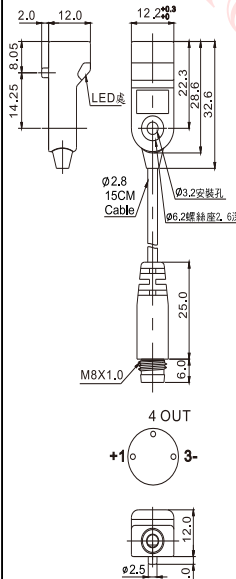
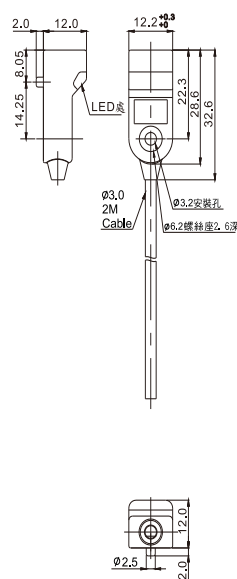
◆Shape / 外觀 :



◆Specifications / 規格表 :

Output method / 輸出模式	NPN N.O.	JN04-N	JN04-ND	JND04-N	JND04-ND
	NPN N.C.	JN04-N2	JN04-N2D	JND04-N2	JND04-N2D
	PNP N.O.	JN04-P	JN04-PD	JND04-P	JND04-PD
	PNP N.C.	JN04-P2	JN04-P2D	JND04-P2	JND04-P2D
	NPN N.O./N.C.	-	-	-	-
	PNP N.O./N.C.	-	-	-	-
	SCR N.O.	-	-	-	-
	SCR N.C.	-	-	-	-
Sensing Surface / 檢測方向	Top surface / 前方		Front surface / 上方		
Standard sensing object / 標準檢測物	Iron 12 x 12 x 1mm		Iron 12 x 12 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		
Hysteresis / 遲滯	≤ 10 % of sensing distance		≤ 10 % of sensing distance		
Response time / 反應時間	1 ms Max.		1 ms Max.		
Operating voltage / 工作電壓	DC 12 ~ 24V		DC 12 ~ 24V		
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 24V		100 mA Max at DC 24V		
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	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 64	IP 64	IP 64	IP 64	
Wiring method / 出線方式	Pre-wire Ø3 x 2M/3-wires	M8 pigtailed type /M8 接頭15cm 電線式	Pre-wire Ø3 x 2M/3-wires	M8 pigtailed type /M8 接頭15cm 電線式	
Weight / 重量	Approx.26g	Approx.6g	Approx.26g	Approx.6g	

◆Dimensions / 尺寸圖 :



Fiber

Photo Sensor

Area Sensor

Ultrasonic Sensors

Inductive Proximity Sensor

Capacitive Proximity Sensor

Timer / Counter

Others

Accessories