
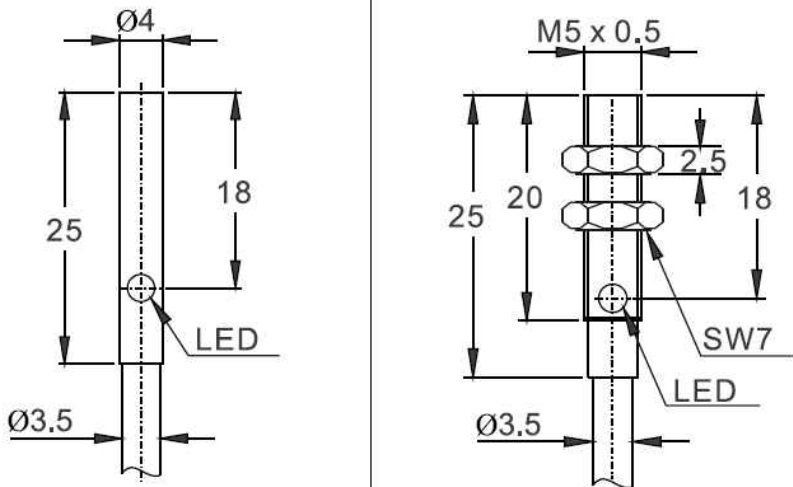

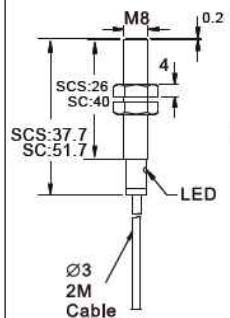
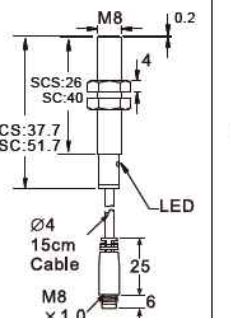
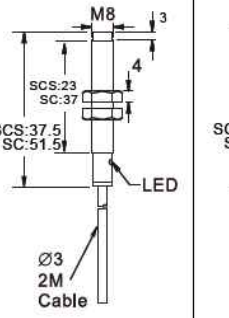
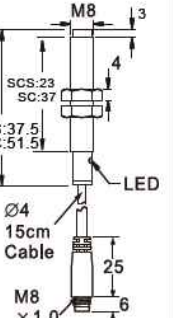



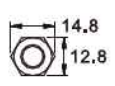
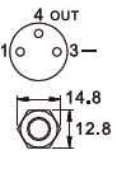
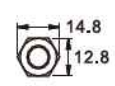
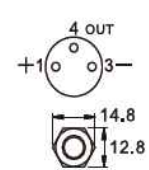


Fiber	◆Shape / 外觀 :		
Photo Sensor			
Area Sensor	◆Specifications / 規格表 :		
Ultrasonic Sensors	Output type / 輸出模式	NPN N.O. NPN N.C. PNP N.O. PNP N.C. NPN N.O./N.C. PNP N.O./N.C. SCR N.O. SCR N.O.	SC0401-N - SC0401-P - - - - -
Inductive Proximity Sensor	Sensing surface / 檢測方向	Shielded / 隔離型	
Capacitive Proximity Sensor	Description / 外型	Standard / 標準Ø4	Standard / 標準M5
Timer / Counter	Standard sensing object / 標準檢測物	Iron 4 x 4 x 1mm	Iron 5 x 5 x 1mm
Others	Sensing distance / 檢出距離	0.8 mm	
Accessories	Secure sensing distance / 建議距離	0 to 0.5 mm	
	Hysteresis / 遲滯	≤ 10 % of sensing distance	
	Response time / 反應時間	0.2 ms Max.	
	Operating voltage / 工作電壓	DC10 ~ 30 V	
	Current consumption / 消耗電流	≤ 10 mA no-load	
	Load current / 負載電流	200 mA Max	
	Leakage current / 漏電流	≤ 0.1 mA no-load	
	Residual voltage / 殘餘電壓	≤ DC 2V 200mA	
	Voltage withstandability / 絕緣耐壓	AC1000V 60Hz for 60 Sec.	
	Operating temperature / 工作溫度範圍	-25°C ~ + 70°C	
	Protection degree / 防水等級	IP 67	
	Wiring method / 出線方式	Ø3.5 x 2M x 3 wires	
	Weight / 重量	Approx. 26g	Approx. 26g
	◆Dimensions/尺寸圖 :		

◆ Specifications / 規格表 :

SCS0801-□  37.7		 SCS:26 SC:40 SCS:37.7 SC:51.7 LED Ø3 2M Cable		 SCS:26 SC:40 SCS:37.7 SC:51.7 LED Ø4 15cm Cable M8 x 1.0		 SCS:23 SC:37 SCS:37.5 SC:51.5 LED Ø3 2M Cable		 SCS:23 SC:37 SCS:37.5 SC:51.5 LED Ø4 15cm Cable M8 x 1.0	
SC0801-□D  51.7									
SCS0802-□  37.5									
SC0802-□  51.5 <unit:mm>		 14.8 12.8 <unit:mm>		 4 OUT +1 0 3- 14.8 12.8 <unit:mm>		 14.8 12.8 <unit:mm>		 4 OUT +1 0 3- 14.8 12.8 <unit:mm>	
Output method / 輸出模式	NPN N.O.	SC□0801-N	SC□0801-ND	SC□0802-N	SC□0802-ND				
	NPN N.C.	SC□0801-N2	SC□0801-N2D	SC□0802-N2	SC□0802-N2D				
	PNP N.O.	SC□0801-P	SC□0801-PD	SC□0802-P	SC□0802-PD				
	PNP N.C.	SC□0801-P2	SC□0801-P2D	SC□0802-P2	SC□0802-P2D				
	NPN N.O./N.C.	-	-	-	-				
	PNP N.O./N.C.	-	-	-	-				
	SCR N.O.	-	-	-	-				
	SCR N.C.	-	-	-	-				
Sensing type / 檢出方式	Shielded / 隔離型			Unshielded / 非隔離型					
Description / 外型				Standard / 標準M8					
Standard sensing object / 標準檢測物				Iron 8 x 8 x 1 mm					
Sensing distance / 檢出距離	1 mm			2 mm					
Secure sensing distance / 建議距離	0 to 0.8 mm			0 to 1.6 mm					
Hysteresis / 遲滯	≤ 10 % of sensing distance								
Response time / 反應時間	1 ms Max.								
Operating voltage / 工作電壓	DC12 ~ 24 V								
Current consumption / 消耗電流	≤ 8 mA no-load								
Load current / 負載電流	100 mA Max at DC 24V								
Leakage current / 漏電流	≤ 1.1 mA no-load								
Residual voltage / 殘餘電壓	≤ DC 1.5V								
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								
Protection degree / 防水等級	IP 66								
Wiring method / 出線方式	Pre-wired Ø3 x 2M / 3-wires	M8 pigtailed type / M8接頭15cm電線式	Pre-wired Ø3 x 2M / 3-wires	M8 pigtailed type / M8接頭15cm電線式					
Weight / 重量	Approx.30g	Approx.12g	Approx.30g	Approx.12g					

Fiber

Photo Sensor

Area Sensor

Ultrasonic Sensors

Inductive Proximity Sensor




Capacitive Proximity Sensor

Timer / Counter


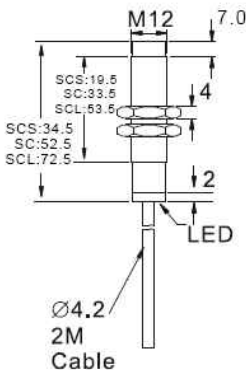
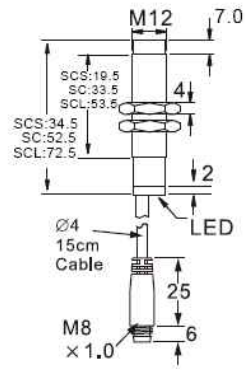
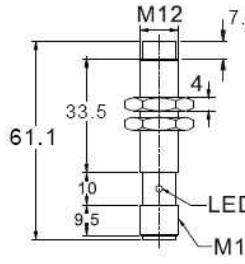


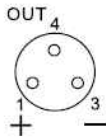
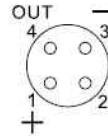
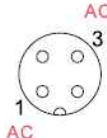
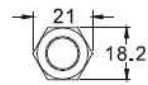
Others

Accessories

◆ Specifications / 規格表 :

Fiber	 <p>SCS1202-□</p> <p>33.6</p>				
Photo Sensor	 <p>SC1202-□D</p> <p>52.6</p>				
Area Sensor	 <p>SC1202-□M1</p> <p>61.2</p>				
Ultrasonic Sensors					
Inductive Proximity Sensor	<unit:mm>				
Capacitive Proximity Sensor					
Timer / Counter					
Others					
Accessories					
Output method / 輸出模式		NPN N.O.	SC□1202-N	SC□1202-ND	SC1202-NM1
		NPN N.C.	SC□1202-N2	SC□1202-N2D	SC1202-N2M1
		PNP N.O.	SC□1202-P	SC□1202-PD	SC1202-PM1
		PNP N.C.	SC□1202-P2	SC□1202-P2D	SC1202-P2M1
		NPN N.O./N.C. PNP N.O./N.C.	SC1202-KP2	-	-
		SCR N.O.	SC1202-A	-	-
		SCR N.C.	SC1202-A2	-	-
Sensing type / 檢出方式		Shielded / 隔離型			
Description / 外型		Standard / 標準M12			
Standard sensing object / 標準檢測物		Iron 12 x 12 x 1 mm			
Sensing distance / 檢出距離		2 mm			
Secure sensing distance / 建議距離		0 to 1.6 mm			
Hysteresis / 遲滯		≤ 10 % of sensing distance			
Response time / 反應時間		DC Type 1 ms Max. or AC Type 50ms			
Operating voltage / 工作電壓		DC 12 ~ 24V or AC90 ~ 260 V			
Current consumption / 消耗電流		DC : ≤ 8 mA no-load or AC : 2 mA Max			
Load current / 負載電流		DC : 100 mA Max at DC 24V or AC : 5 ~ 300 mA Max			
Leakage current / 漏電流		≤ 1.1 mA no-load			
Residual voltage / 殘餘電壓		≤ DC 1.5V			
Insulation resistance / 隔離阻抗		20MΩ min. (DC500V)			
Voltage withstandability / 絕緣耐壓		AC1000V 60Hz for 60Sec.			
Operating temperature / 工作溫度		-20°C ~ + 60°C			
Protection degree / 防水等級		IP 66			
Wiring method / 出線方式		N/P : Ø4.2x 2M / 3-wires KP2 : Ø4.2x2M / 4-wires AC : Ø4.2x2M / 2-wires	M8 pigtailed type / M8 接頭15cm電線式	M12 plug-in connector type / M12 接頭	
Weight / 重量		SC	Approx. 65g	Approx. 15g	Approx. 20g
		SCL	Approx. 70g	Approx. 20g	Approx. 25g
		SCS	Approx. 60g	Approx. 15g	Approx. 20g

◆ Specifications / 規格表 :

SCS1204-□D  34.5		 M12 7.0 SCS:19.5 SC:33.5 SCL:53.5 SCS:34.5 SC:52.5 SCL:72.5 LED Ø4.2 2M Cable		 M12 7.0 SCS:19.5 SC:33.5 SCL:53.5 SCS:34.5 SC:52.5 SCL:72.5 LED Ø4 15cm Cable 25 M8 × 1.0 6		 M12 7.0 61.1 33.5 4 2 LED M12 10 9.5	
SC1204-□M1  61.2		-□D		-□M1		-□A	
SCL1204-□  72.5		 OUT 4 + 3 -		 OUT 4 + 3 2 1		 AC 3 1 AC	
<unit:mm>		 21 18.2					
Output method / 輸出模式	NPN N.O.	SC□1204-N	SC□1204-ND	SC1204-NM1			
	NPN N.C.	SC□1204-N2	SC□1204-N2D	SC1204-N2M1			
	PNP N.O.	SC□1204-P	SC□1204-PD	SC1204-PM1			
	PNP N.C.	SC□1204-P2	SC□1204-P2D	SC1204-P2M1			
	NPN N.O./N.C. PNP N.O./N.C.	SC1204-KP2	-	-			
	SCR N.O.	SC1204-A	-	-			
	SCR N.C.	SC1204-A2	-	-			
Sensing type / 檢出方式	Unshielded / 非隔離型						
Description / 外型	Standard / 標準M12						
Standard sensing object / 標準檢測物	Iron 12 × 12 × 1 mm						
Sensing distance / 檢出距離	4 mm						
Secure sensing distance / 建議距離	0 to 3.2 mm						
Hysteresis / 遲滯	≤ 10 % of sensing distance						
Response time / 反應時間	DC Type 2 ms Max. or AC Type 50ms						
Operating voltage / 工作電壓	DC 12 ~ 24V or AC 90 ~ 260V						
Current consumption / 消耗電流	DC : ≤ 8 mA no-load or AC : 2 mA Max						
Load current / 負載電流	DC : 100 mA Max at DC 24V or AC : 5 ~ 300 mA Max						
Leakage current / 漏電流	≤ 1.1 mA no-load						
Residual voltage / 殘餘電壓	≤ DC 1.5V						
Insulation resistance / 隔離阻抗	20M Ω min. (DC500V)						
Voltage withstandability / 絕緣耐壓	AC1000V 60Hz for 60 Sec.						
Operating temperature / 工作溫度	-20°C ~ + 60°C						
Protection degree / 防水等級	IP 66						
Wiring method / 出線方式	N/P : Ø4.2x 2M / 3-wires KP2 : Ø4.2x2M / 4-wires AC : Ø4.2x2M / 2-wires	M8 pigtailed type / M8 接頭15cm電線式	M12 plug-in connector type / M12 接頭				
Weight / 重量	SC	Approx. 65g	Approx. 15g	Approx. 20g			
	SCL	Approx. 70g	Approx. 20g	Approx. 25g			
	SCS	Approx. 60g	Approx. 15g	Approx. 20g			

Fiber

Photo Sensor

Area Sensor

Ultrasonic Sensors

Inductive Proximity Sensor

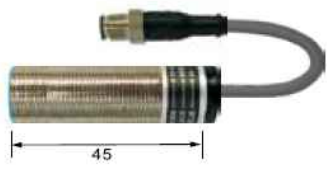
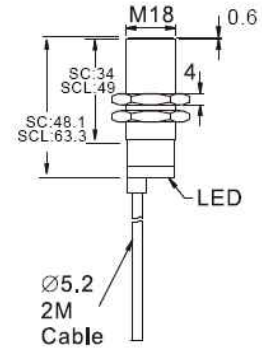
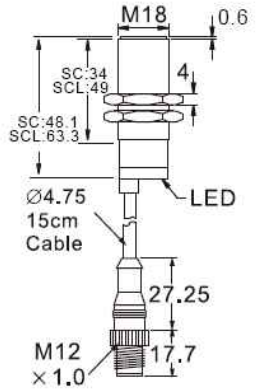
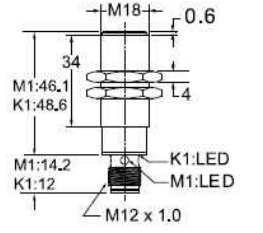

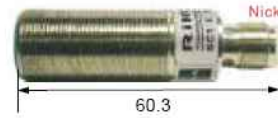

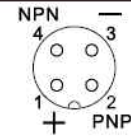
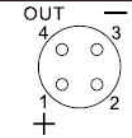
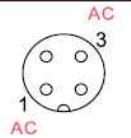
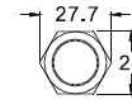
Capacitive Proximity Sensor

Timer / Counter

Others


Accessories

◆ Specifications / 規格表 :

Fiber	<p>SC1805-□K</p>  <p>45</p>	 <p>M18 0.6 SC:34 SCL:49 SC:48.1 SCL:63.3 LED Ø5.2 2M Cable</p>	 <p>M18 0.6 SC:34 SCL:49 SC:48.1 SCL:63.3 LED Ø4.75 15cm Cable M12 x 1.0 27.25 17.7</p>	 <p>M18 0.6 M1:46.1 K1:48.6 L4 M1:14.2 K1:12 M12 x 1.0 K1:LED M1:LED</p>
Photo Sensor	<p>SC1805-□K1/M1</p>  <p>60.6</p> <p>Plastic K1</p>			
Area Sensor	 <p>60.3</p> <p>Nickel plated br. M1</p>			
Ultrasonic Sensors	<p>SCL1805-□</p>  <p>63.3</p>			
Inductive Proximity Sensor		<p>-□KP2 -KP2K1/M1</p>  <p>NPN 4 3 1 2 +</p> <p>PNP</p>	<p>-□M1 -□K1/M1</p>  <p>OUT 4 3 1 2 +</p>	<p>-□A</p>  <p>AC 3 1 AC</p>
			 <p>27.7 24</p>	
Capacitive Proximity Sensor	<p>Output method / 輸出模式</p>	<p>NPN N.O. SC□1805-N</p> <p>NPN N.C. SC□1805-N2</p> <p>PNP N.O. SC□1805-P</p> <p>PNP N.C. SC□1805-P2</p> <p>NPN N.O./N.C. PNP N.O./N.C. SC1805-KP2</p> <p>SCR N.O. SC1805-A</p> <p>SCR N.C. SC1805-A2</p>	<p>SC□1805-NK</p> <p>SC□1805-N2K</p> <p>SC□1805-PK</p> <p>SC□1805-P2K</p> <p>SC1805-KP2K</p> <p>SC1805-AK</p> <p>SC1805-A2K</p>	<p>SC1805-NK1/NM1</p> <p>SC1805-N2K1/N2M1</p> <p>SC1805-PK1/PM1</p> <p>SC1805-P2K1/P2M1</p> <p>-</p> <p>-</p> <p>-</p>
Timer / Counter	<p>Sensing type / 檢出方式</p> <p>Description / 外型</p> <p>Standard sensing object / 標準檢測物</p> <p>Sensing distance / 檢出距離</p> <p>Secure sensing distance / 建議距離</p> <p>Hysteresis / 遲滯</p> <p>Response time / 反應時間</p> <p>Operating voltage / 工作電壓</p> <p>Current consumption / 消耗電流</p> <p>Load current / 負載電流</p>	<p>Shielded / 隔離型</p> <p>Standard / 標準M18</p> <p>Iron 18 x 18 x 1 mm</p> <p>5 mm</p> <p>0 to 4.0 mm</p> <p>≤ 10 % of sensing distance</p> <p>DC Type 2 ms Max. or AC Type 50ms</p> <p>DC 12 ~ 24V or AC 90 ~ 260V</p> <p>DC : ≤ 8 mA no-load or AC : 2 mA Max</p> <p>DC : 100 mA Max at DC 24V or AC : 5 ~ 300 mA Max</p>		
Others	<p>Leakage current / 漏電流</p> <p>Residual voltage / 殘餘電壓</p> <p>Insulation resistance / 隔離阻抗</p> <p>Voltage withstandability / 絕緣耐壓</p> <p>Operating temperature / 工作溫度</p> <p>Protection degree / 防水等級</p>	<p>≤ 1.1 mA no-load</p> <p>≤ DC 1.5V</p> <p>20MΩ min. (DC500V)</p> <p>AC1000V 60Hz for 60 Sec.</p> <p>-20°C ~ +60°C</p> <p>IP 66</p>		
Accessories	<p>Wiring method / 出線方式</p> <p>Weight / 重量</p>	<p>N/P : Ø5.2x 2M / 3-wires KP2 : Ø5.2x2M / 4-wires AC : Ø5.2x2M / 2-wires</p> <p>Approx. 96g</p> <p>Approx. 116g</p>	<p>M12 pigtailed type / M12 接頭15cm 電線式</p> <p>Approx. 35g</p> <p>Approx. 55g</p>	<p>M12 plug-in connector type / M12 接頭</p> <p>K1: Approx. 30g/M1: Approx. 35g</p> <p>K1: Approx. 50g/M1: Approx. 55g</p>


◆ Specifications / 規格表 :

SC1808-□K



48

SC1808-□K1/M1




60.5

60.2

K1
Plastic

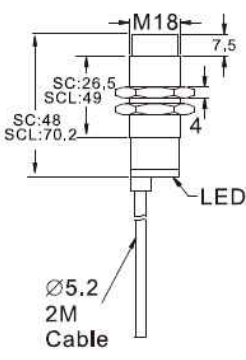
M1
Nickel plated brass

SCL1808-□



70.2

<unit:mm>



M18

7.5

SC:26.5

SCL:49

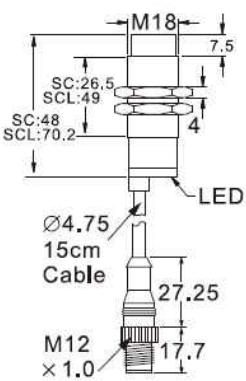
4

LED

∅5.2

2M

Cable



M18

7.5

SC:26.5

SCL:49

4

LED

∅4.75

15cm

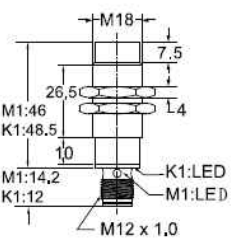
Cable

27.25

M12

× 1.0

17.7



M18

7.5

26.5

M1:46

K1:48.5

L4

10

M1:14.2

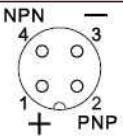
K1:12

M1:LED

M12 × 1.0

-KP2

-KP2K1/M1



NPN

4 3

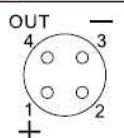
1 2

+

PNP

-□M1

-□K1/M1

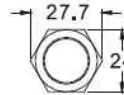


OUT

4 3

1 2

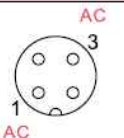
+



27.7

24

-□A



AC

3

1

AC

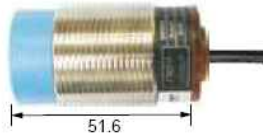
Output method / 輸出模式	NPN N.O.	SC□1808-N	SC□1808-NK	SC1808-NK1/M1
	NPN N.C.	SC□1808-N2	SC□1808-N2K	SC1808-N2K1/M1
	PNP N.O.	SC□1808-P	SC□1808-PK	SC1808-PK1/M1
	PNP N.C.	SC□1808-P2	SC□1808-P2K	SC1808-P2K1/M1
	NPN N.O./N.C.	SC1808-KP2	SC1808-KP2K	-
	PNP N.O./N.C.			
	SCR N.O.	SC1808-A	SC1808-AK	-
SCR N.C.	SC1808-A2	SC1808-A2K	-	

Sensing type / 檢出方式	Unshielded / 非隔離型		
Description / 外型	Standard / 標準M18		
Sensing distance / 檢出距離	8 mm		
Secure sensing distance / 建議距離	0 to 6.4 mm		
Hysteresis / 遲滯	≤ 10 % of sensing distance		
Response time / 反應時間	DC Type 2 ms Max. or AC Type 50ms		
Operating voltage / 工作電壓	DC 12 ~ 24V or AC 90 ~ 260V		
Current consumption / 消耗電流	DC : ≤ 8 mA no-load / AC : 2 mA Max.		
Load current / 負載電流	DC : 100 mA Max at DC 24V or AC : 5 ~ 300 mA Max		
Leakage current / 漏電流	≤ 1.1 mA no-load		
Residual voltage / 殘餘電壓	≤ DC 1.5V		
Insulation resistance / 隔離阻抗	20M Ω min. (DC500V)		
Voltage withstandability / 絕緣耐壓	AC1000V 60Hz for 60 Sec.		
Operating temperature / 工作溫度	-20°C ~ + 60°C		
Protection degree / 防水等級	IP 66		
Wiring method / 出線方式	N/P : ∅5.2x 2M / 3-wires KP2 : ∅5.2x2M / 4-wires AC : ∅5.2x2M / 2-wires	M12 pigtailed type / M12 接頭15cm 電線式	M12 plug-in connector type / M12 接頭
Weight / 重量	SC	Approx. 90g	Approx. 30g
	SCL	Approx. 115g	Approx. 55g
			K1:Approx.25g/M1:Approx. 30g K1:Approx.50g/M1:Approx. 55g

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


◆ Specifications / 規格表 :

SC3015-□



51.6


SC3015-□K1/M1



63.6 (K1 Plastic)

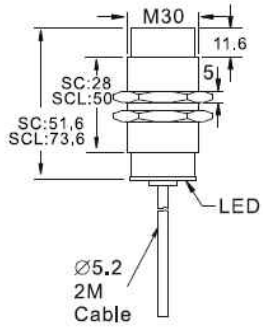
65.8 (M1 Nickel plated brass)

SCL3015-□K



73.6

<unit:mm>



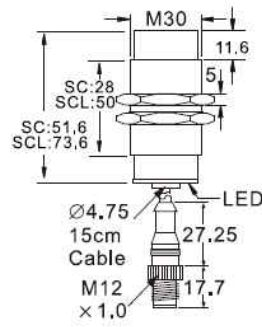
M30 11.6 5 5

SC:28 SCL:50

SC:51.6 SCL:73.6

LED

Ø5.2 2M Cable



M30 11.6 5 5

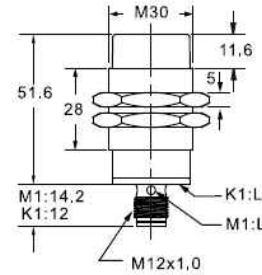
SC:28 SCL:50

SC:51.6 SCL:73.6

LED

Ø4.75 15cm Cable

M12 x 1,0 27,25 17,7



M30 11.6 5 5

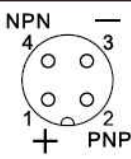
51.6 28

M1:14.2 K1:12 M12x1,0

K1:LED M1:LED

-KP2

-KP2K1/M1

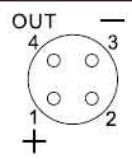


NPN — 4 3 1 2

+ PNP

-□M1

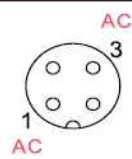
-□K1/M1



OUT — 4 3 1 2

+ 41.6 36

-□A



AC 3 1

AC

Output method / 輸出模式	NPN N.O.	SC□3015-N	SC□3015-NK	SC3015-NK1/M1
	NPN N.C.	SC□3015-N2	SC□3015-N2K	SC3015-N2K1/M1
	PNP N.O.	SC□3015-P	SC□3015-PK	SC3015-PK1/M1
	PNP N.C.	SC□3015-P2	SC□3015-P2K	SC3015-P2K1/M1
	NPN N.O./N.C. PNP N.O./N.C.	SC3015-KP2	SC3015-KP2K	-
	SCR N.O.	SC3015-A	SC3015-AK	-
	SCR N.C.	SC3015-A2	SC3015-A2K	-

Sensing type / 檢出方式	Unshielded / 非隔離型		
Description / 外型	Standard / 標準M30		
Standard sensing object / 標準檢測物	Iron 30 x 30 x 1 mm		
Sensing distance / 檢出距離	15 mm		
Secure sensing distance / 建議距離	0 ~ 12 mm		
Hysteresis / 遲滯	≤ 10 % of sensing distance		
Response time / 反應時間	DC Type 3.3 ms Max. or AC Type 100ms		
Operating voltage / 工作電壓	DC 12 ~ 24V or AC 90 ~ 260V		
Current consumption / 消耗電流	DC : ≤ 8 mA no-load or AC : 2 mA Max.		
Load current / 負載電流	DC : 100 mA Max at DC 24V or AC : 5 ~ 300 mA Max		
Leakage current / 漏電流	≤ 1.1 mA no-load		
Residual voltage / 殘餘電壓	≤ DC 1.5V		
Insulation resistance / 隔離阻抗	20M Ω min. (DC500V)		
Voltage withstandability / 絕緣耐壓	AC1000V 60Hz for 60 Sec.		
Operating temperature / 工作溫度	-20°C ~ +60°C		
Protection degree / 防水等級	IP 66		
Wiring method / 出線方式	N/P : Ø5.2x 2M / 3-wires (KP2 : Ø5.2x2M / 4-wires) AC : Ø5.2x 2M / 2-wires	M12 pigtailed type / M12 接頭15cm 電線式	M12 plug-in connector type / M12 接頭
Weight / 重量	SC	Approx. 135g	Approx. 80g
	SCL	Approx. 170g	Approx. 115g
			K1:Approx.70g/M1:Approx. 90g K1:Approx.105g/M1:Approx. 125g

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

