

# M12

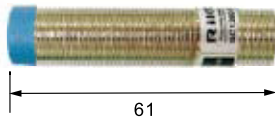
# Tubular Inductive Proximity Sensor

## Specifications

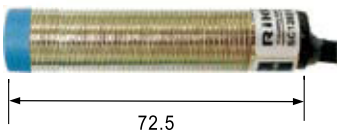
### SCS1204-□D



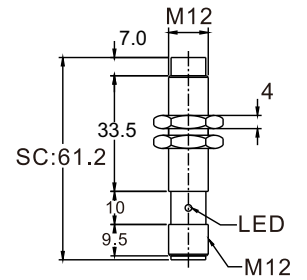
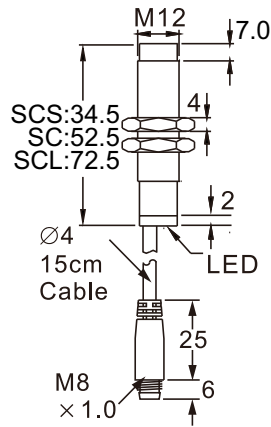
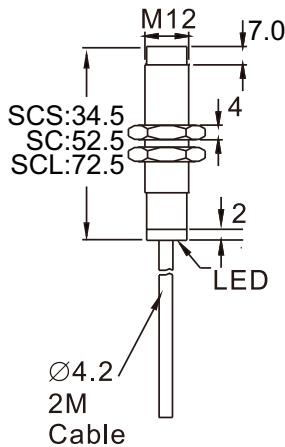
### SC1204-□M1



### SCL1204-□



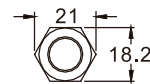
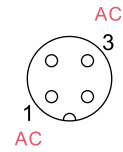
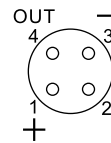
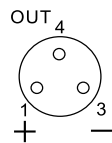
<unit:mm>



-□D

-□M1

-□A



Output method /	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 /	Unshielded /			
Description /	Standard /			
Standard sensing object /	Iron 12 × 12 × 1 mm			
Sensing distance /	4 mm			
Secure sensing distance /	0 to 3.2 mm			
Hysteresis /	≤ 10 % of sensing distance			
Response time /	DC Type 2 ms Max. or AC Type 50ms			
Operating voltage /	DC 12 ~ 24V or AC 90 ~ 260V			
Current consumption /	DC : ≤ 8 mA no-load or AC : 2 mA Max			
Load current /	DC : 100 mA Max at DC 24V or AC : 5 ~ 300 mA Max			
Leakage current /	≤ 1.1 mA no-load			
Residual voltage /	≤ DC 1.5V			
Insulation resistance /	20M Ω min. (DC500V)			
Voltage withstandability /	AC1000V 60Hz for 60 Sec.			
Operating temperature /	-20°C ~ + 60°C			
Protection degree /	IP 66			
Wiring method /	N/P : Ø4.2x 2M / 3-wires KP2 : Ø4.2x2M / 4-wires AC : Ø4.2x2M / 2-wires	M8 pigtailed type / M8 15cm	M12 plug-in connector type / M12	
Weight /	SC	Approx. 65g	Approx. 15g	Approx. 20g
	SCL	Approx. 70g	Approx. 20g	Approx. 25g
	SCS	Approx. 60g	Approx. 15g	Approx. 20g