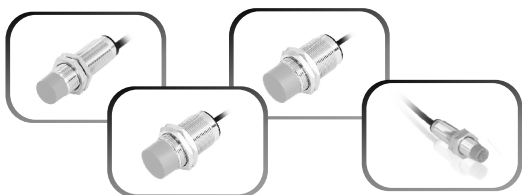


Analog Output Proximity Sensor

Features

- The output (current / voltage) is proportional to the sensing distance when it is in detecting range .
- Can precisely detect all type of metal objects.
- Linearity: $\pm 0.3\%FS$
- Resolution: $0.05\%FS$



Analog Output Proximity Sensor

M12 Inductive type–Cable / G-01

M12 Inductive type–Connector / G-02

M18 Inductive type–Cable / G-03

M18 Inductive type–Connector / G-04

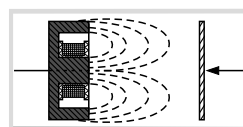
M30 Inductive type–Cable / G-05

M30 Inductive type–Connector / G-06

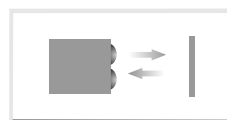
**BX Inductive type
–Terminal Connection** / G-07

M18 Photoelectric type / G-08

■ Inductive



■ Photoelectric–diffuse reflective



PICTURE

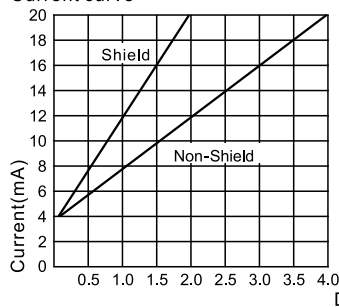
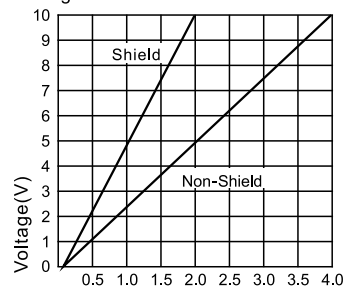
M12x1, L60

CE
M12x1, L60

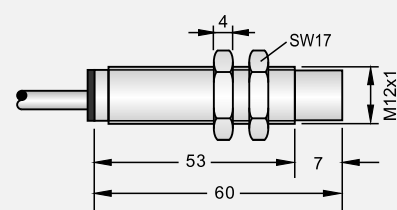
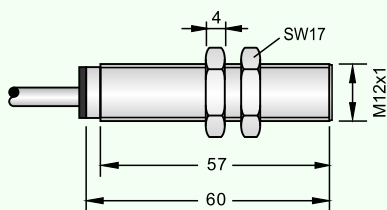
CE

Current output: 4...20mA	ABT12-S02I-C3Y2 * 07	ABT12-N04I-C3Y2 * 07
Voltage output: 0...10V	ABT12-S02V-C3Y2 * 08	ABT12-N04V-C3Y2 * 08
Rated sensing distance	0.1...2mm	0.1...4mm
Mounting	shield	non-shield
Supply voltage	15...30V DC	
Current output	4...20mA	
Voltage output	0...10V	
Frequency	100Hz	
Consumption	≤20mA	
Output signal	PNP analog	
Repeatability	≤1%	
Circuit Protection	Short circuit protection, reversed polarity protection and overload protection	
Operating temperature	-10...+50°C(no condensation)	
Anti-impact	500m/s ² (50G) X、Y、Z direction, each 10 times	
Anti-vibration	10...55Hz(amplitude 1.5mm)X、Y、Z direction each 2 hours	
Protection	IP67	
Connection	Cable: φ4mm 2M	
Housing material	nickel-plated brass	
Sensing face material	PBT	

Output curve

Current curve

Voltage curve


Dimensional drawing



Remark

07 . 08—NO of wiring diagram(refers to page 12...15)/Available in pigtail connection

PICTURE

M12x1, L70



CE

M12x1, L70

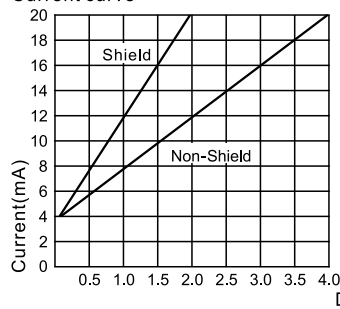


CE

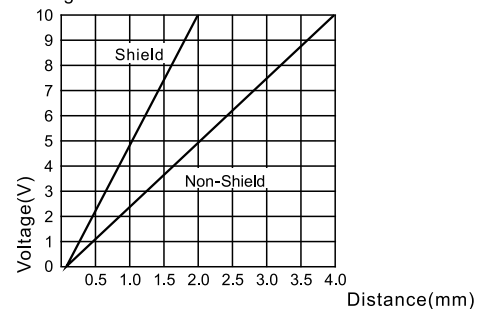
Current output: 4...20mA	ABT12-S02I-C4YV1	* 35
Voltage output: 0...10V	ABT12-S02V-C4YV1	* 36
Rated sensing distance	0.1...2mm	
Mounting	shield	
Supply voltage	15...30V DC	
Current output	4...20mA	
Voltage output	0...10V	
Frequency	100Hz	
Consumption	≤20mA	
Output signal	PNP analog	
Repeatability	≤1%	
Circuit Protection	Short circuit protection, reversed polarity protection and overload protection	
Operating temperature	-10...+50°C(no condensation)	
Anti-impact	500m/s ² (50G) X、Y、Z direction, each 10 times	
Anti-vibration	10...55Hz(amplitude 1.5mm)X、Y、Z direction each 2 hours	
Protection	IP67	
Connection	M12 connector	
Housing material	nickel-plated brass	
Sensing face material	PBT	

Output curve

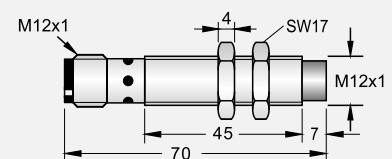
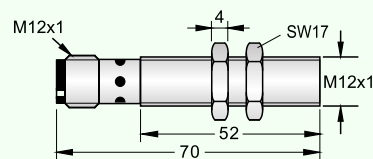
Current curve



Voltage curve



Dimensional drawing



Remark

35 . 36—NO of wiring diagram(refers to page 12...15)

PICTURE

M18x1, L60(nickel-plated brass)
M18x1, L65(PBT)



CE

M18x1, L60(nickel-plated brass)
M18x1, L65(PBT)

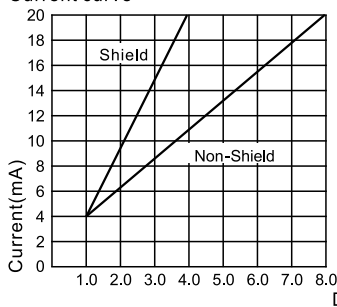


CE

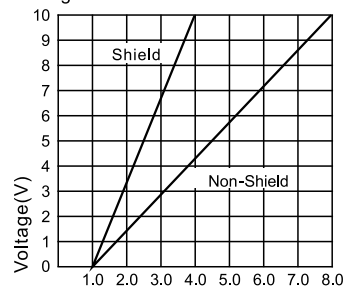
Current output: 4...20mA	ABT18-S05I-C3Y2	APT18-S05I-C3Y2	* 07	ABT18-N08I-C3Y2	APT18-N08I-C3Y2	* 07
Voltage output: 0...10V	ABT18-S05V-C3Y2	APT18-S05V-C3Y2	* 08	ABT18-N08V-C3Y2	APT18-N08V-C3Y2	* 08
Rated sensing distance	1...5mm			1...8mm		
Mounting	shield			non-shield		
Supply voltage	15...30V DC					
Current output	4...20mA					
Voltage output	0...10V					
Frequency	100Hz					
Consumption	≤20mA					
Output signal	PNP analog					
Repeatability	≤1%					
Circuit Protection	Short circuit protection, reversed polarity protection and overload protection					
Operating temperature	-10...+50°C(no condensation)					
Anti-impact	500m/s ² (50G) X、Y、Z direction, each 10 times					
Anti-vibration	10...55Hz(amplitude 1.5mm)X、Y、Z direction each 2 hours					
Protection	IP67					
Connection	Cable: ϕ 4.8mm 2M					
Housing material	nickel-plated brass	PBT		nickel-plated brass	PBT	
Sensing face material	PBT					

Output curve

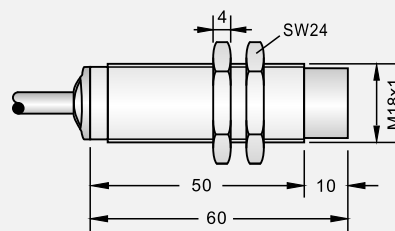
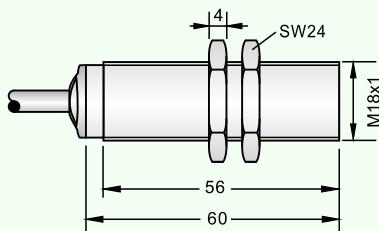
Current curve



Voltage curve



Dimensional drawing



Remark

07 . 08—NO of wiring diagram(refers to page 12...15)/Available in pigtail connection

PICTURE

M18x1, L73



CE

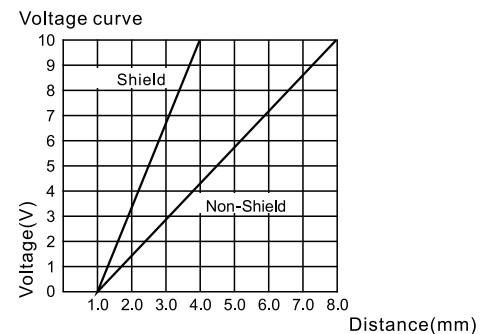
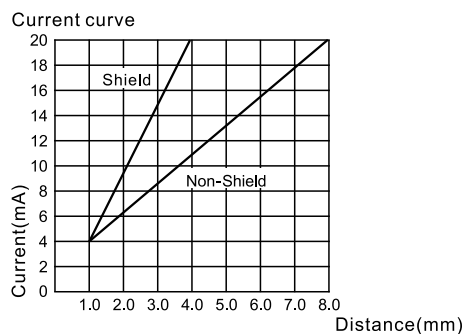
M18x1, L73



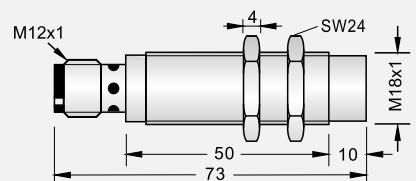
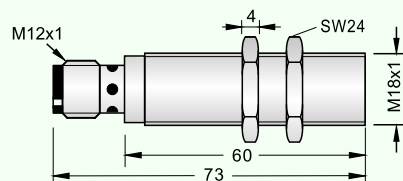
CE

Current output: 4...20mA	ABT18-S05I-C4YV1	* 35
Voltage output: 0...10V	ABT18-S05V-C4YV1	* 36
Rated sensing distance	1...5mm	
Mounting	shield	
Supply voltage	15...30V DC	
Current output	4...20mA	
Voltage output	0...10V	
Frequency	100Hz	
Consumption	≤20mA	
Output signal	PNP analog	
Repeatability	≤1%	
Circuit Protection	Short circuit protection, reversed polarity protection and overload protection	
Operating temperature	-10...+50°C(no condensation)	
Anti-impact	500m/s ² (50G) X、Y、Z direction, each 10 times	
Anti-vibration	10...55Hz(amplitude 1.5mm)X、Y、Z direction each 2 hours	
Protection	IP67	
Connection	M12 connector	
Housing material	nickel-plated brass	
Sensing face material	PBT	

Output curve



Dimensional drawing



Remark

35 . 36—NO of wiring diagram(refers to page 12...15)

PICTURE

M30x1.5, L60(nickel-plated brass)
M30x1.5, L72(PBT)



CE

M30x1.5, L60(nickel-plated brass)
M30x1.5, L72(PBT)

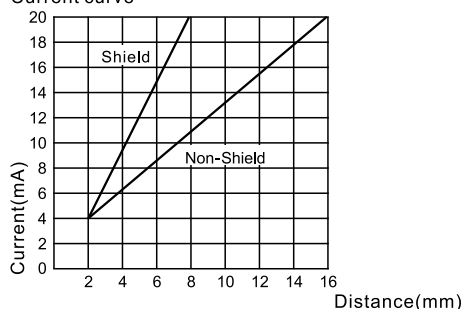


CE

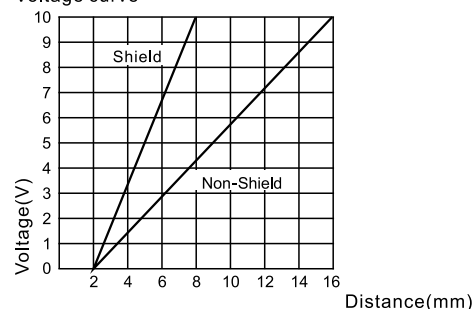
Current output: 4...20mA	ABT30-S10I-C3Y2	APT30-S10I-C3Y2	* 07	ABT30-N15I-C3Y2	APT30-N15I-C3Y2	* 07
Voltage output: 0...10V	ABT30-S10V-C3Y2	APT30-S10V-C3Y2	* 08	ABT30-N15V-C3Y2	APT30-N15V-C3Y2	* 08
Rated sensing distance	2...10mm			2...15mm		
Mounting	shield			non-shield		
Supply voltage	15...30V DC					
Current output	4...20mA					
Voltage output	0...10V					
Frequency	80Hz					
Consumption	≤20mA					
Output signal	PNP analog					
Repeatability	≤1%					
Circuit Protection	Short circuit protection, reversed polarity protection and overload protection					
Operating temperature	-10...+50°C(no condensation)					
Anti-impact	500m/s ² (50G) X、Y、Z direction, each 10 times					
Anti-vibration	10...55Hz(amplitude 1.5mm)X、Y、Z direction each 2 hours					
Protection	IP67					
Connection	Cable: ϕ 4.8mm 2M					
Housing material	nickel-plated brass	PBT		nickel-plated brass	PBT	
Sensing face material	PBT					

Output curve

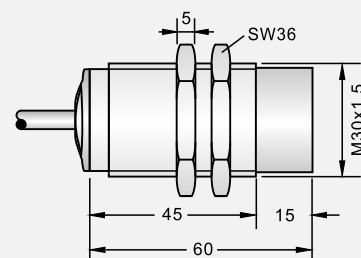
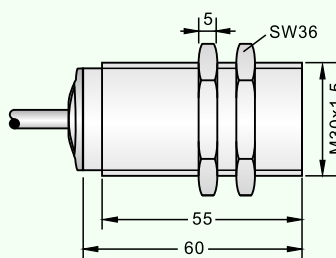
Current curve



Voltage curve



Dimensional drawing



Remark

07 . 08—NO of wiring diagram(refers to page 12...15)/Available in pigtail connection

PICTURE

M30x1.5, L73



CE

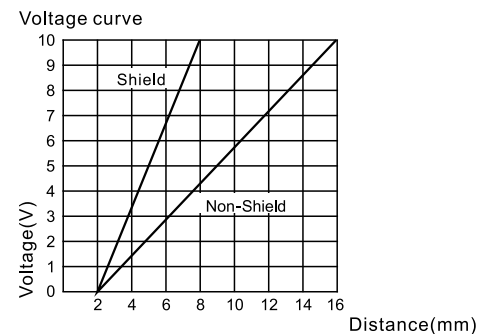
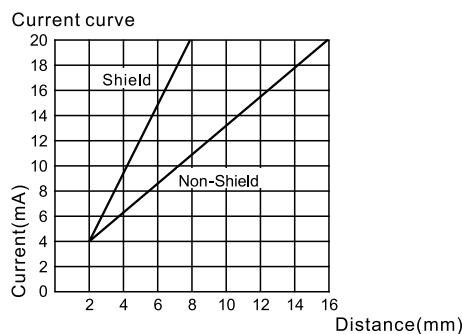
M30x1.5, L73



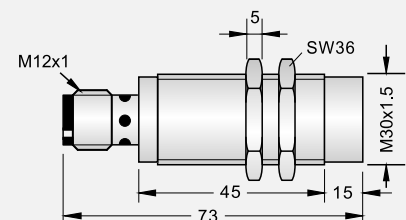
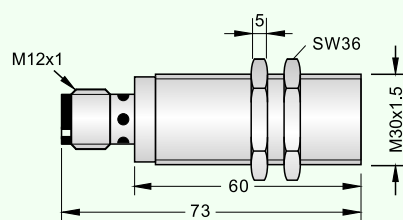
CE

Current output: 4...20mA	ABT30-S10I-C4YV1	* 35
Voltage output: 0...10V	ABT30-S10V-C4YV1	* 36
Rated sensing distance	2...10mm	
Mounting	shield	
Supply voltage	15...30V DC	
Current output	4...20mA	
Voltage output	0...10V	
Frequency	80Hz	
Consumption	≤20mA	
Output signal	PNP analog	
Repeatability	≤1%	
Circuit Protection	Short circuit protection, reversed polarity protection and overload protection	
Operating temperature	-10...+50°C(no condensation)	
Anti-impact	500m/s ² (50G) X、Y、Z direction, each 10 times	
Anti-vibration	10...55Hz(amplitude 1.5mm)X、Y、Z direction each 2 hours	
Protection	IP67	
Connection	M12 connector	
Housing material	nickel-plated brass	
Sensing face material	PBT	

Output curve



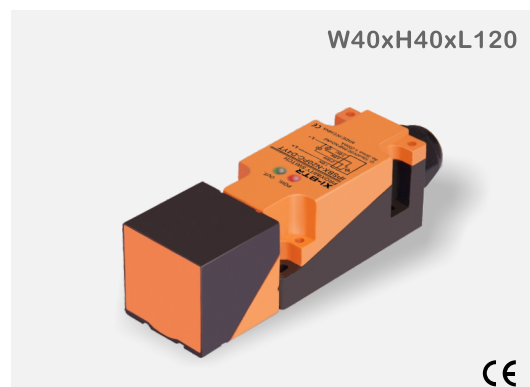
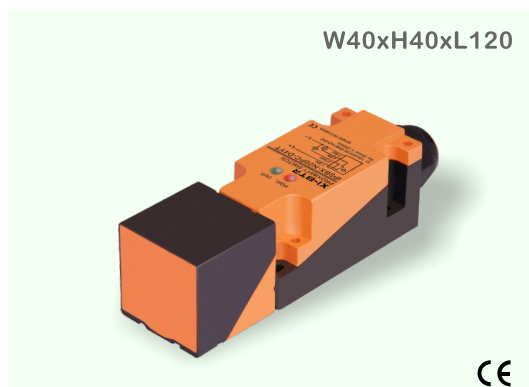
Dimensional drawing



Remark

35 . 36—NO of wiring diagram(refers to page 12...15)

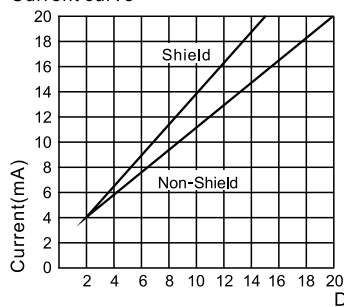
PICTURE



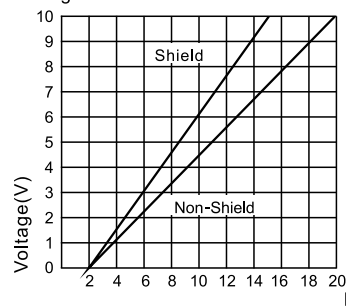
Current output: 4...20mA	APSBX-S15I-C4YT * 07	APSBX-N20I-C4YT * 07
Voltage output: 0...10V	APSBX-S15V-C4YT * 08	APSBX-N20V-C4YT * 08
Rated sensing distance	2...15mm	2...20mm
Mounting	shield	non-shield
Supply voltage	15...30V DC	
Current output	4...20mA	
Voltage output	0...10V	
Frequency	80Hz	
Consumption	≤20mA	
Output signal	PNP analog	
Repeatability	≤1%	
Circuit Protection	Short circuit protection, reversed polarity protection and overload protection	
Operating temperature	-10...+50°C(no condensation)	
Anti-impact	500m/s ² (50G) X、Y、Z direction, each 10 times	
Anti-vibration	10...55Hz(amplitude 1.5mm)X、Y、Z direction each 2 hours	
Protection	IP66	
Connection	Terminal connection	
Housing material	PBT	
Sensing face material	PBT	

Output curve

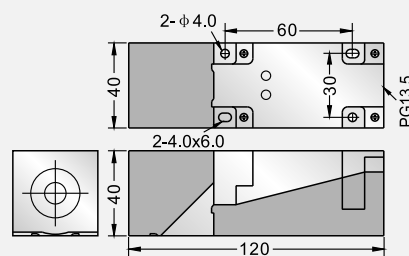
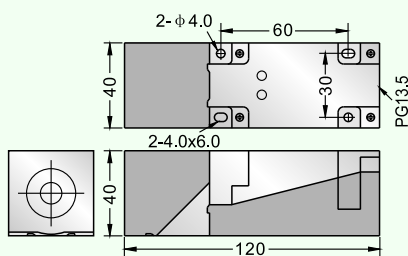
Current curve



Voltage curve



Dimensional drawing



Remark

07 . 08—NO of wiring diagram(refers to page 12...15)

PICTURE

M18x1, L65



CE

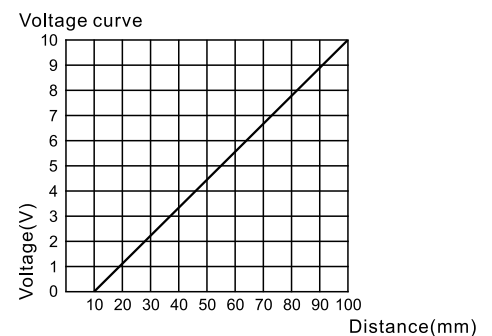
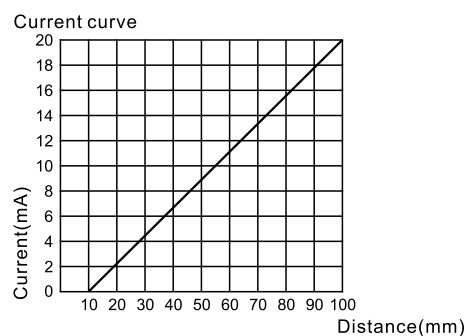
M18x1, L80



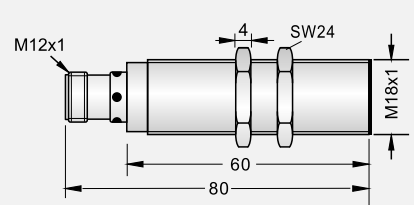
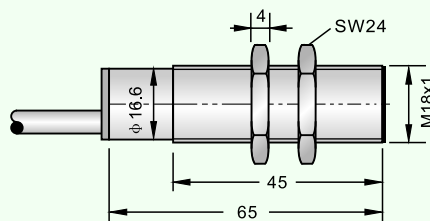
CE

Current output: 4...20mA	PCBA-D100I-C3Y2	PCPA-D100I-C3Y2	* 07	PCBA-D100I-C4YV1	* 35
Voltage output: 0...10V	PCBA-D100V-C3Y2	PCPA-D100V-C3Y2	* 08	PCBA-D100V-C4YV1	* 36
Rated sensing distance	10...100mm(can be customized)			10...100mm(can be customized)	
Sensing mode	Diffuse mode				
Supply voltage	15...30V DC				
Current output	4...20mA				
Voltage output	0...10V				
Frequency	80Hz				
Consumption	≤20mA				
Output signal	PNP analog				
Repeatability	≤1%				
Circuit Protection	Short circuit protection, reversed polarity protection and overload protection				
Operating temperature	-10...+50°C(no condensation)				
Anti-impact	500m/s ² (50G) X、Y、Z direction, each 10 times				
Anti-vibration	10...55Hz(amplitude 1.5mm)X、Y、Z direction each 2 hours				
Protection	IP67				
Connection	Cable: ϕ4.8mm 2M				
Housing material	nickel-plated brass	PBT		nickel-plated brass	
Sensing face material					

Output curve



Dimensional drawing



Remark

07 . 08 . 35 . 36—NO of wiring diagram(refers to page 12...15)/Available in pigtail connection