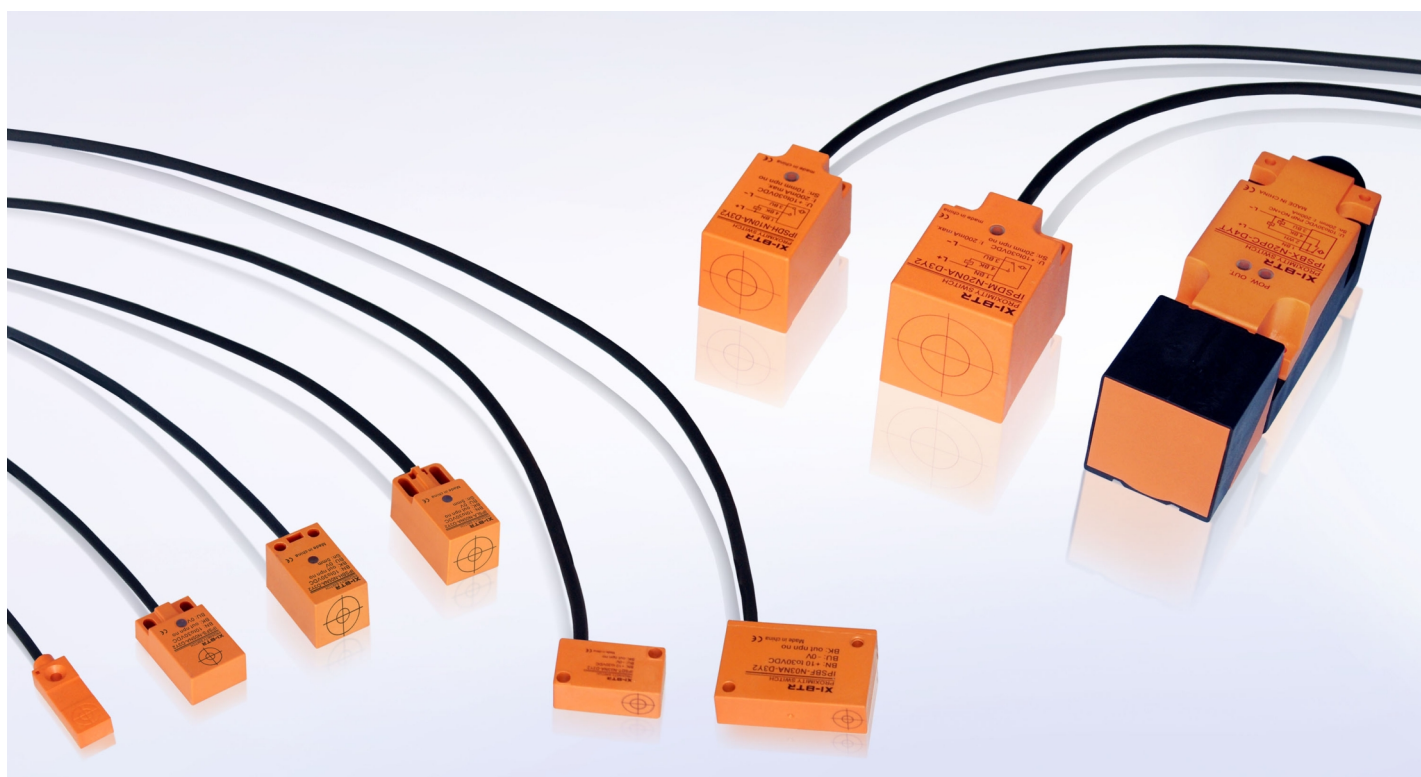
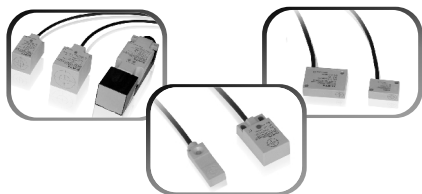


Rectangular Inductive Proximity Sensor

Features

- Short-circuit protection, reversed polarity protection and overload protection (DC)
- Long life-span and high reliability
- Red LED indicator to check sensor output status
- Cost-effective, easy to operate
- Widely used, an advanced replacement to micro switch and limit switch
- Flat structure to suit installation in narrow place

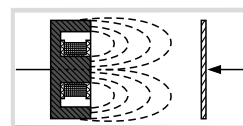


FA(W8xH7.4xL24)(DC)	/ B-01
FB(W8xH8xL26)(DC)	/ B-01
FT(W10xH6xL27)(DC)	/ B-02
XL(W15xH8xL32)(DC)	/ B-02
FS(W18xH10xL30.5)(DC)	/ B-03
DT(W16xH12xL28)(DC)	/ B-04
CD(W25xH10xL50)(DC)	/ B-04
BF(W26xH12xL40)(DC)	/ B-05
BH(W17xH17xL28)(DC)	/ B-06
LA(W17xH17xL34)(DC)	/ B-07
BC(W18xH18xL36)(DC)	/ B-08

LD(W25xH25xL38.5)(DC)	/ B-09
DH(W30xH30xL52.5)(DC)	/ B-09
LD(W25xH25xL38.5)(AC)	/ B-10
DH(W30xH30xL52.5)(AC)	/ B-10
LB(W35xH35xL50)(DC)	/ B-11
DM(W40xH40xL53)(DC)	/ B-11
LB(W35xH35xL50)(AC)	/ B-12
DM(W40xH40xL53)(AC)	/ B-12
BX(W40xH40xL120)(DC)	/ B-13
KE(W80xH48xL80)(DC)	/ B-13
BX(W40xH40xL120)(AC)	/ B-14

KE(W80xH48xL80)(AC)	/ B-14
BM(W40xH40xL67)(DC)	/ B-15

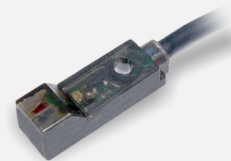
■ Inductive



PICTURE



W8xH7.4xL24

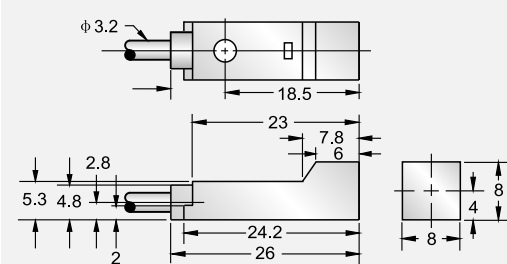
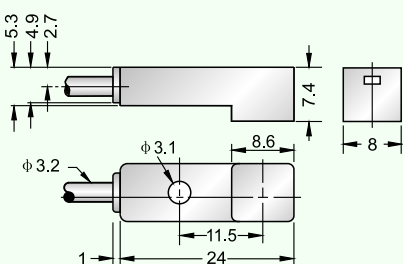


W8xH8xL26



DC-3 wires NPN N.O.	IPSFA-N02NA-D3N2	* 01	IPSFB-N02NA-D3N2	* 01
DC-3 wires NPN N.C.	IPSFA-N02NB-D3N2	* 02	IPSFB-N02NB-D3N2	* 02
DC-3 wires PNP N.O.	IPSFA-N02PA-D3N2	* 03	IPSFB-N02PA-D3N2	* 03
DC-3 wires PNP N.C.	IPSFA-N02PB-D3N2	* 04	IPSFB-N02PB-D3N2	* 04
DC-2 wires N.O.	_____		_____	
DC-2 wires N.C.	_____		_____	
Rated sensing distance	2mm			
Mounting	non-shield			
Supply voltage	12...24VDC (10-30VDC) , ripple: 10% max			
Leakage current	<0.01mA			
Setting distance	0...1.4mm			
Standard target	Iron 8x8x1mm			
Frequency	800Hz			
Consumption	≤15mA			
Load current	100mA			
Voltage drop(V_p)	≤1.8V			
Hysteresis	1...15%			
Repeatability	≤2%			
Display	Red LED			
Protection Circuit	Reversed polarity protection			
Operating temperature	-25...+70°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: φ3.2mm 2M			
Housing material	PC			
Sensing face material	PC			

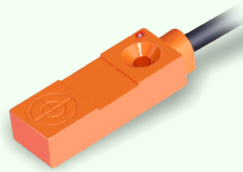
Dimensional drawing



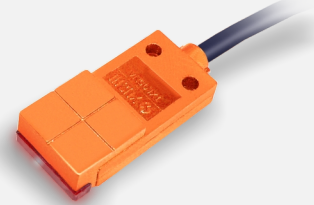
Remark

01 . 02 . 03 . 04—NO of wiring diagram(refers to page 12...15)

PICTURE



W10xH6xL27

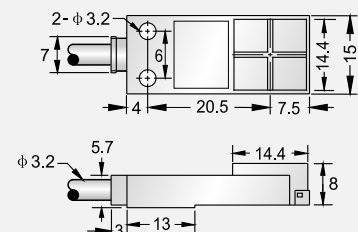
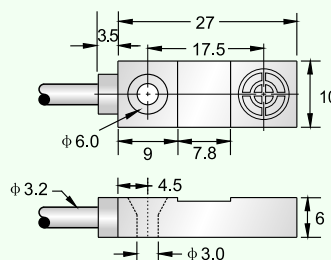


W15xH8xL32



DC-3 wires NPN N.O.	IPSFT-N03NA-D3Y2	* 01	IPSXL-N05NA-D3Y2	* 01
DC-3 wires NPN N.C.	IPSFT-N03NB-D3Y2	* 02	IPSXL-N05NB-D3Y2	* 02
DC-3 wires PNP N.O.	IPSFT-N03PA-D3Y2	* 03	IPSXL-N05PA-D3Y2	* 03
DC-3 wires PNP N.C.	IPSFT-N03PB-D3Y2	* 04	IPSXL-N05PB-D3Y2	* 04
DC-2 wires N.O.				
DC-2 wires N.C.				
Rated sensing distance	3mm		5mm	
Mounting	non-shield			
Supply voltage	12...24VDC (10-30VDC) , ripple: 10% max			
Leakage current	<0.01mA			
Setting distance	0...2.1mm		0...3.5mm	
Standard target	Iron 12x12x1mm		Iron 18x18x1mm	
Frequency	700Hz		600Hz	
Consumption	≤15mA			
Load current	100mA			
Voltage drop(V _p)	≤1.8V			
Hysteresis	1...15%			
Repeatability	≤2%			
Display	Red LED			
Protection Circuit	Short circuit protection, reversed polarity protection and overload protection			
Operating temperature	-25...+70°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 3.2mm 2M			
Housing material	PBT			
Sensing face material	PBT			

Dimensional drawing



Remark

01 . 02 . 03 . 04—NO of wiring diagram(refers to page 12...15)

PICTURE



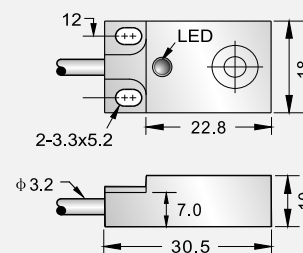
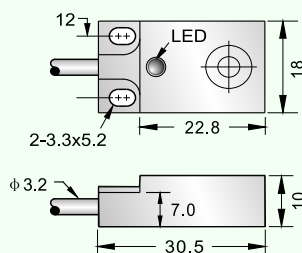
CE



CE

DC-3 wires NPN N.O.	IPSFS-N05NA-D3Y2	* 01	IPSFS-N08NA-D3Y2	* 01
DC-3 wires NPN N.C.	IPSFS-N05NB-D3Y2	* 02	IPSFS-N08NB-D3Y2	* 02
DC-3 wires PNP N.O.	IPSFS-N05PA-D3Y2	* 03	IPSFS-N08PA-D3Y2	* 03
DC-3 wires PNP N.C.	IPSFS-N05PB-D3Y2	* 04	IPSFS-N08PB-D3Y2	* 04
DC-2 wires N.O.	_____		_____	
DC-2 wires N.C.	_____		_____	
Rated sensing distance	5mm		8mm	
Mounting	non-shield			
Supply voltage	12...24VDC (10-30VDC) , ripple: 10% max			
Leakage current	<0.01mA			
Setting distance	0...3.5mm		0...5.6mm	
Standard target	Iron 18x18x1mm		Iron 25x25x1mm	
Frequency	600Hz		400Hz	
Consumption	≤15mA			
Load current	200mA			
Voltage drop(V _p)	≤1.8V			
Hysteresis	1...15%			
Repeatability	≤2%			
Display	Red LED			
Protection Circuit	Short circuit protection, reversed polarity protection and overload protection			
Operating temperature	-25...+70°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 3.2mm 2M			
Housing material	PBT			
Sensing face material	PBT			

Dimensional drawing



Remark

01 . 02 . 03 . 04—NO of wiring diagram(refers to page 12...15)

PICTURE

W16xH12xL28



CE

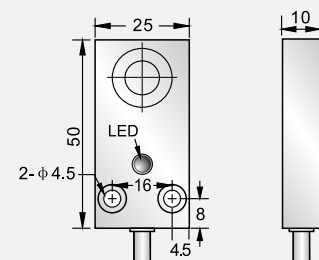
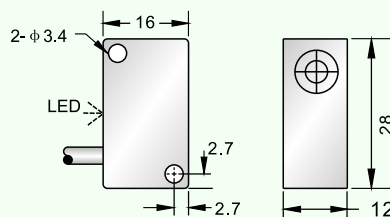
W25xH10xL50



CE

DC-3 wires NPN N.O.	IPSDT-N03NA-D3Y2	* 01	IPSCD-N08NA-D3Y2	* 01
DC-3 wires NPN N.C.	IPSDT-N03NB-D3Y2	* 02	IPSCD-N08NB-D3Y2	* 02
DC-3 wires PNP N.O.	IPSDT-N03PA-D3Y2	* 03	IPSCD-N08PA-D3Y2	* 03
DC-3 wires PNP N.C.	IPSDT-N03PB-D3Y2	* 04	IPSCD-N08PB-D3Y2	* 04
DC-2 wires N.O.	_____		_____	
DC-2 wires N.C.	_____		_____	
Rated sensing distance	3mm		8mm	
Mounting	non-shield			
Supply voltage	12...24VDC (10-30VDC) , ripple: 10% max			
Leakage current	<0.01mA			
Setting distance	0...2.1mm		0...5.6mm	
Standard target	Iron 12x12x1mm		Iron 25x25x1mm	
Frequency	700Hz		400Hz	
Consumption	≤15mA			
Load current	200mA			
Voltage drop(V _p)	≤1.8V			
Hysteresis	1...15%			
Repeatability	≤2%			
Display	Red LED			
Protection Circuit	Short circuit protection, reversed polarity protection and overload protection			
Operating temperature	-25...+70°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	PBT			
Sensing face material	PBT			

Dimensional drawing



Remark

01 . 02 . 03 . 04—NO of wiring diagram(refers to page 12...15)

PICTURE



W26xH12xL40

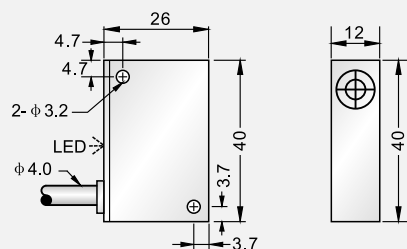
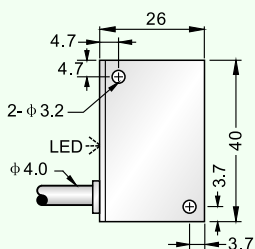


W26xH12xL40



DC-3 wires NPN N.O.	IPSBF-N03NA-D3Y2	* 01	IPSBF-N05NA-D3Y2	* 01
DC-3 wires NPN N.C.	IPSBF-N03NB-D3Y2	* 02	IPSBF-N05NB-D3Y2	* 02
DC-3 wires PNP N.O.	IPSBF-N03PA-D3Y2	* 03	IPSBF-N05PA-D3Y2	* 03
DC-3 wires PNP N.C.	IPSBF-N03PB-D3Y2	* 04	IPSBF-N05PB-D3Y2	* 04
DC-2 wires N.O.	_____		_____	
DC-2 wires N.C.	_____		_____	
Rated sensing distance	3mm		5mm	
Mounting	non-shield			
Supply voltage	12...24VDC (10-30VDC) , ripple: 10% max			
Leakage current	<0.01mA			
Setting distance	0...2.1mm		0...3.5mm	
Standard target	Iron 12x12x1mm		Iron 18x18x1mm	
Frequency	700Hz		600Hz	
Consumption	≤15mA			
Load current	200mA			
Voltage drop(V _p)	≤1.8V			
Hysteresis	1...15%			
Repeatability	≤2%			
Display	Red LED			
Protection Circuit	Short circuit protection, reversed polarity protection and overload protection			
Operating temperature	-25...+70°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	PBT			
Sensing face material	PBT			

Dimensional drawing

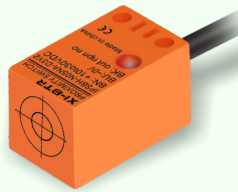


Remark

01 . 02 . 03 . 04—NO of wiring diagram(refers to page 12...15)

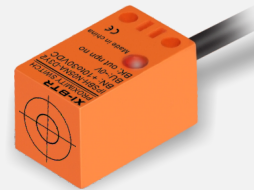
PICTURE

W17xH17xL28



CE

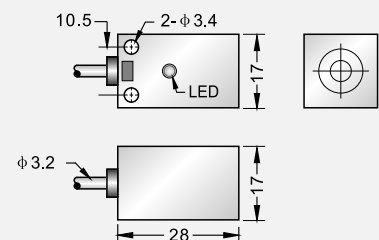
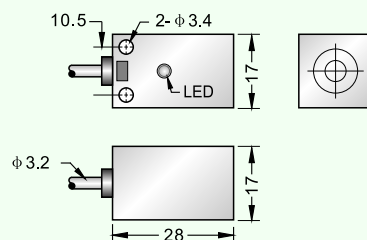
W17xH17xL28



CE

DC-3 wires NPN N.O.	IPSBH-N05NA-D3Y2	* 01	IPSBH-N08NA-D3Y2	* 01
DC-3 wires NPN N.C.	IPSBH-N05NB-D3Y2	* 02	IPSBH-N08NB-D3Y2	* 02
DC-3 wires PNP N.O.	IPSBH-N05PA-D3Y2	* 03	IPSBH-N08PA-D3Y2	* 03
DC-3 wires PNP N.C.	IPSBH-N05PB-D3Y2	* 04	IPSBH-N08PB-D3Y2	* 04
DC-2 wires N.O.				
DC-2 wires N.C.				
Rated sensing distance	5mm		8mm	
Mounting	non-shield			
Supply voltage	12...24VDC (10-30VDC) , ripple: 10% max			
Leakage current	<0.01mA			
Setting distance	0...3.5mm		0...5.6mm	
Standard target	Iron 18x18x1mm		Iron 25x25x1mm	
Frequency	600Hz		400Hz	
Consumption	≤15mA			
Load current	200mA			
Voltage drop(V _p)	≤1.8V			
Hysteresis	1...15%			
Repeatability	≤2%			
Display	Red LED			
Protection Circuit	Short circuit protection, reversed polarity protection and overload protection			
Operating temperature	-25...+70°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: φ3.2mm 2M			
Housing material	PBT			
Sensing face material	PBT			

Dimensional drawing



Remark 01 . 02 . 03 . 04—NO of wiring diagram(refers to page 12...15)

PICTURE



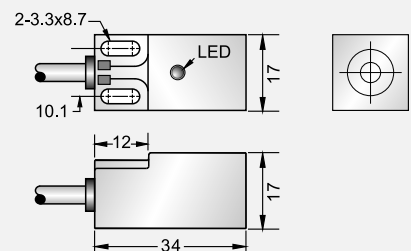
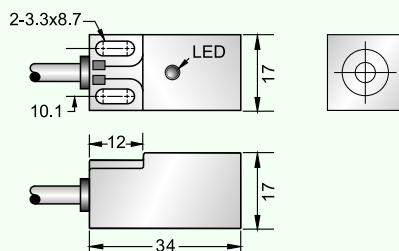
CE



CE

DC-3 wires NPN N.O.	IPSLA-N05NA-D3Y2	* 01	IPSLA-N08NA-D3Y2	* 01
DC-3 wires NPN N.C.	IPSLA-N05NB-D3Y2	* 02	IPSLA-N08NB-D3Y2	* 02
DC-3 wires PNP N.O.	IPSLA-N05PA-D3Y2	* 03	IPSLA-N08PA-D3Y2	* 03
DC-3 wires PNP N.C.	IPSLA-N05PB-D3Y2	* 04	IPSLA-N08PB-D3Y2	* 04
DC-2 wires N.O.	_____		_____	
DC-2 wires N.C.	_____		_____	
Rated sensing distance	5mm		8mm	
Mounting	non-shield			
Supply voltage	12...24VDC (10-30VDC) , ripple: 10% max			
Leakage current	<0.01mA			
Setting distance	0...3.5mm		0...5.6mm	
Standard target	Iron 18x18x1mm		Iron 25x25x1mm	
Frequency	600Hz		400Hz	
Consumption	≤15mA			
Load current	200mA			
Voltage drop(V _p)	≤1.8V			
Hysteresis	1...15%			
Repeatability	≤2%			
Display	Red LED			
Protection Circuit	Short circuit protection, reversed polarity protection and overload protection			
Operating temperature	-25...+70°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	PBT			
Sensing face material	PBT			

Dimensional drawing

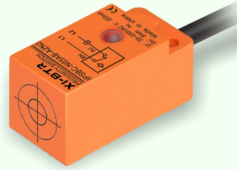


Remark

01 . 02 . 03 . 04—NO of wiring diagram(refers to page 12...15)

PICTURE

W18xH18xL36



CE

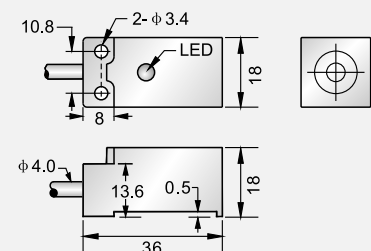
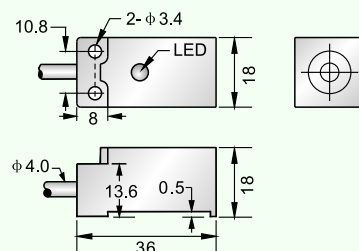
W18xH18xL36



CE

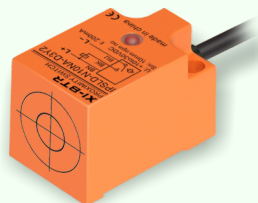
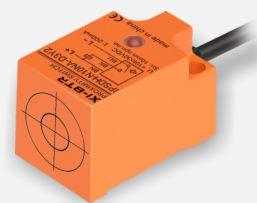
DC-3 wires NPN N.O.	IPBC-N05NA-D3Y2	* 01	IPBC-N08NA-D3Y2	* 01
DC-3 wires NPN N.C.	IPBC-N05NB-D3Y2	* 02	IPBC-N08NB-D3Y2	* 02
DC-3 wires PNP N.O.	IPBC-N05PA-D3Y2	* 03	IPBC-N08PA-D3Y2	* 03
DC-3 wires PNP N.C.	IPBC-N05PB-D3Y2	* 04	IPBC-N08PB-D3Y2	* 04
DC-2 wires N.O.				
DC-2 wires N.C.				
Rated sensing distance	5mm		8mm	
Mounting	non-shield			
Supply voltage	12...24VDC (10-30VDC) , ripple: 10% max			
Leakage current	<0.01mA			
Setting distance	0...3.5mm		0...5.6mm	
Standard target	Iron 18x18x1mm		Iron 25x25x1mm	
Frequency	600Hz		400Hz	
Consumption	≤15mA			
Load current	200mA			
Voltage drop(V _p)	≤1.8V			
Hysteresis	1...15%			
Repeatability	≤2%			
Display	Red LED			
Protection Circuit	Short circuit protection, reversed polarity protection and overload protection			
Operating temperature	-25...+70°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	PBT			
Sensing face material	PBT			

Dimensional drawing



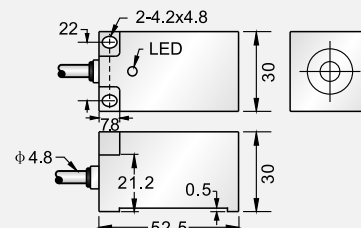
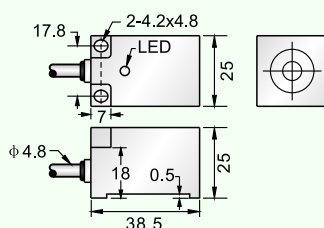
Remark 01 . 02 . 03 . 04—NO of wiring diagram(refers to page 12...15)

PICTURE


W25xH25xL38.5

W30xH30xL52.5


DC-3 wires NPN N.O.	IPSLD-N08NA-D3Y2	* 01	IPSDH-N10NA-D3Y2	* 01
DC-3 wires NPN N.C.	IPSLD-N08NB-D3Y2	* 02	IPSDH-N10NB-D3Y2	* 02
DC-3 wires PNP N.O.	IPSLD-N08PA-D3Y2	* 03	IPSDH-N10PA-D3Y2	* 03
DC-3 wires PNP N.C.	IPSLD-N08PB-D3Y2	* 04	IPSDH-N10PB-D3Y2	* 04
DC-2 wires N.O.	IPSLD-N08LA-D2Y2	* 18	IPSDH-N10LA-D2Y2	* 18
DC-2 wires N.C.	IPSLD-N08LB-D2Y2	* 19	IPSDH-N10LB-D2Y2	* 19
Rated sensing distance	8mm		10mm	
Mounting	non-shield			
Supply voltage	12...24VDC (10-30VDC) , ripple: 10% max			
Leakage current	<0.01mA(3 wires) ; <0.8mA(2 wires)			
Setting distance	0...5.6mm		0...7mm	
Standard target	Iron 25x25x1mm		Iron 30x30x1mm	
Frequency	400Hz			
Consumption	≤15mA			
Load current	200mA			
Voltage drop(V _p)	≤1.8V(2 wires : Load current 100mA < 5V)			
Hysteresis	1...15%			
Repeatability	≤2%			
Display	Red LED			
Protection Circuit	Short circuit protection, reversed polarity protection and overload protection			
Operating temperature	-25...+70°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	PBT			
Sensing face material	PBT			

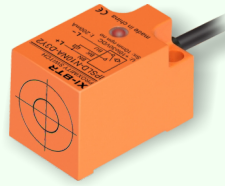
Dimensional drawing



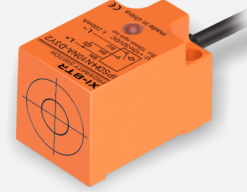
Remark

01 . 02 . 03 . 04 . 18 . 19—NO of wiring diagram(refers to page 12...15)

PICTURE



W25xH25xL38.5

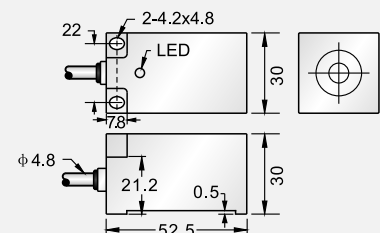
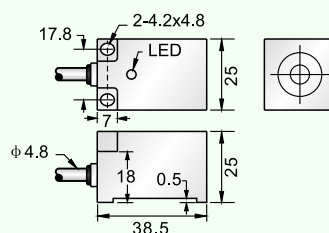


W30xH30xL52.5



AC-2 wires N.O.	IPSLD-N08AA-A2N2	* 20	IPSDH-N10AA-A2N2	* 20
AC-2 wires N.C.	IPSLD-N08AB-A2N2	* 21	IPSDH-N10AB-A2N2	* 21
Rated sensing distance	8mm		10mm	
Mounting	non-shield			
Supply voltage	20...250V AC(50/60Hz)			
Leakage current	≤1.7mA			
Setting distance	0...5.6mm		0...7mm	
Standard target	Iron 25x25x1mm		Iron 30x30x1mm	
Frequency	20Hz			
Consumption				
Load current	200mA			
Voltage drop(V _p)	≤8V			
Hysteresis	3...15%			
Repeatability	≤2%			
Display	Red LED			
Protection Circuit				
Operating temperature	-25...+70°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	PBT			
Sensing face material	PBT			

Dimensional drawing



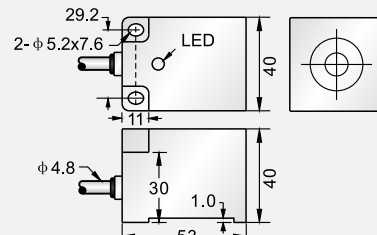
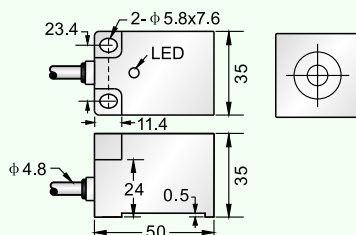
Remark 20、21—NO of wiring diagram(refers to page 12...15)

PICTURE



DC-3 wires NPN N.O.	IPSLB-N15NA-D3Y2	* 01	IPSDM-N20NA-D3Y2	* 01
DC-3 wires NPN N.C.	IPSLB-N15NB-D3Y2	* 02	IPSDM-N20NB-D3Y2	* 02
DC-3 wires PNP N.O.	IPSLB-N15PA-D3Y2	* 03	IPSDM-N20PA-D3Y2	* 03
DC-3 wires PNP N.C.	IPSLB-N15PB-D3Y2	* 04	IPSDM-N20PB-D3Y2	* 04
DC-2 wires N.O.	IPSLB-N15LA-D2Y2	* 18	IPSDM-N20LA-D2Y2	* 18
DC-2 wires N.C.	IPSLB-N15LB-D2Y2	* 19	IPSDM-N20LB-D2Y2	* 19
Rated sensing distance	15mm		20mm	
Mounting	non-shield			
Supply voltage	12...24VDC (10-30VDC) , ripple: 10% max			
Leakage current	<0.01mA(3 wires) ; <0.8mA(2 wires)			
Setting distance	0...10.5mm		0...14mm	
Standard target	Iron 45x45x1mm		Iron 60x60x1mm	
Frequency	300Hz		200Hz	
Consumption	≤15mA			
Load current	200mA			
Voltage drop(V _p)	≤1.8V(2 wires : Load current 100mA < 5V)			
Hysteresis	1...15%			
Repeatability	≤2%			
Display	Red LED			
Protection Circuit	Short circuit protection, reversed polarity protection and overload protection			
Operating temperature	-25...+70°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	PBT			
Sensing face material	PBT			

Dimensional drawing

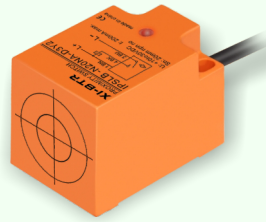


Remark

01 . 02 . 03 . 04 . 18 . 19—NO of wiring diagram(refers to page 12...15)

PICTURE

W35xH35xL50

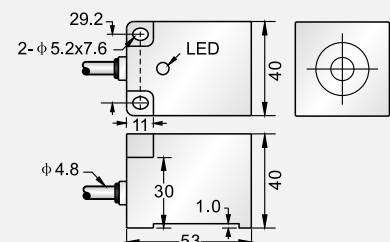
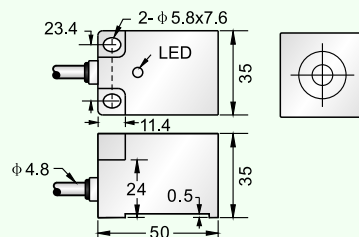


W40xH40xL53



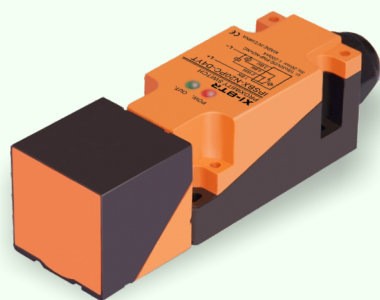
AC-2 wires N.O.	IPSLB-N15AA-A2N2	* 20	IPSDM-N20AA-A2N2	* 20
AC-2 wires N.C.	IPSLB-N15AB-A2N2	* 21	IPSDM-N20AB-A2N2	* 21
Rated sensing distance	15mm		20mm	
Mounting	non-shield			
Supply voltage	20...250V AC(50/60Hz)			
Leakage current	≤1.7mA			
Setting distance	0...10.5mm		0...14mm	
Standard target	Iron 45x45x1mm		Iron 60x60x1mm	
Frequency	20Hz			
Consumption				
Load current	200mA			
Voltage drop(V _p)	≤8V			
Hysteresis	3...15%			
Repeatability	≤2%			
Display	Red LED			
Protection Circuit				
Operating temperature	-25...+70°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	PBT			
Sensing face material	PBT			

Dimensional drawing



Remark 20、21—NO of wiring diagram(refers to page 12...15)

PICTURE



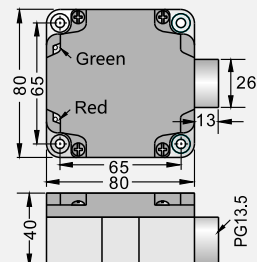
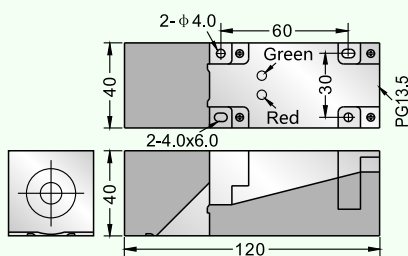
CE



CE

DC-3 wires NPN N.O.	IPSBX-N20NA-D4YT	* 01	IPSBX-N20NA-D4YT	* 01
DC-3 wires NPN N.C.	IPSBX-N20NB-D4YT	* 02	IPSBX-N20NB-D4YT	* 02
DC-4 wires NPN N.O.+N.C.	IPSBX-N20NC-D4YT	* 10	IPSBX-N20NC-D4YT	* 10
DC-3 wires PNP N.O.	IPSBX-N20PA-D4YT	* 03	IPSBX-N20PA-D4YT	* 03
DC-3 wires PNP N.C.	IPSBX-N20PB-D4YT	* 04	IPSBX-N20PB-D4YT	* 04
DC-4 wires PNP N.O.+N.C.	IPSBX-N20PC-D4YT	* 11	IPSBX-N20PC-D4YT	* 11
DC-2 wires N.O.	IPSBX-N20LA-D4YT	* 18	IPSBX-N20LA-D4YT	* 18
DC-2 wires N.C.	IPSBX-N20LB-D4YT	* 19	IPSBX-N20LB-D4YT	* 19
Rated sensing distance	20mm		40mm	
Mounting	non-shield			
Supply voltage	12...24VDC (10-30VDC) , ripple: 10% max			
Leakage current	<0.01mA(3 wires) ; <0.8mA(2 wires)			
Setting distance	0...14mm		0...28mm	
Standard target	Iron 60x60x1mm		Iron 120x120x1mm	
Frequency	200Hz		100Hz	
Consumption	≤15mA			
Load current	200mA			
Voltage drop(V _p)	≤1.8V(2 wires : Load current 100mA < 5V)			
Hysteresis	1...15%			
Repeatability	≤2%			
Display	Power: Red LED; Operation: Green LED			
Protection Circuit	Short circuit protection, reversed polarity protection and overload protection			
Operating temperature	-25...+70°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			

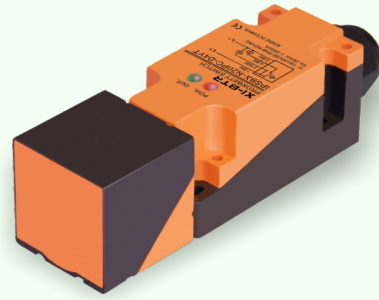
Dimensional drawing



Remark

01 . 02 . 03 . 04 . 11 . 18 . 19—NO of wiring diagram(refers to page 12...15)

PICTURE



W40xH40xL120

CE

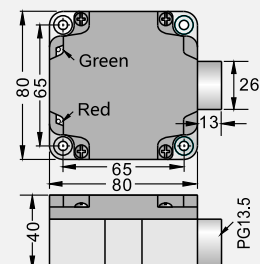
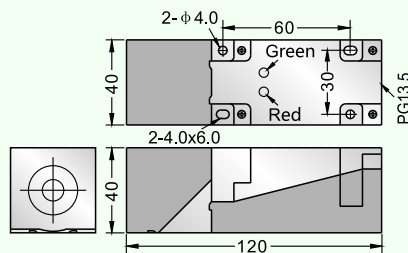


W80xH40xL80

CE

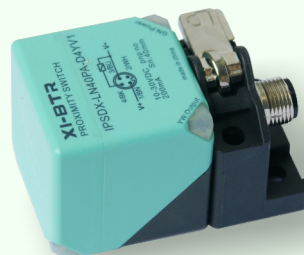
AC-2 wires N.O.	IPSBX-N20AA-A4NT	* 20	IPSKE-N40AA-A4NT	* 20
AC-2 wires N.C.	IPSBX-N20AB-A4NT	* 21	IPSKE-N40AB-A4NT	* 21
Rated sensing distance	20mm		40mm	
Mounting	non-shield			
Supply voltage	20...250V AC(50/60Hz)			
Leakage current	≤1.7mA			
Setting distance	0...14mm		0...28mm	
Standard target	Iron 60x60x1mm		Iron 120x120x1mm	
Frequency	20Hz			
Consumption				
Load current	200mA			
Voltage drop(V _p)	≤8V			
Hysteresis	3...15%			
Repeatability	≤2%			
Display	Power: Red LED; Operation: Green LED			
Protection Circuit				
Operating temperature	-25...+70°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			

Dimensional drawing



Remark 20 . 21—NO of wiring diagram(refers to page 12...15)

PICTURE

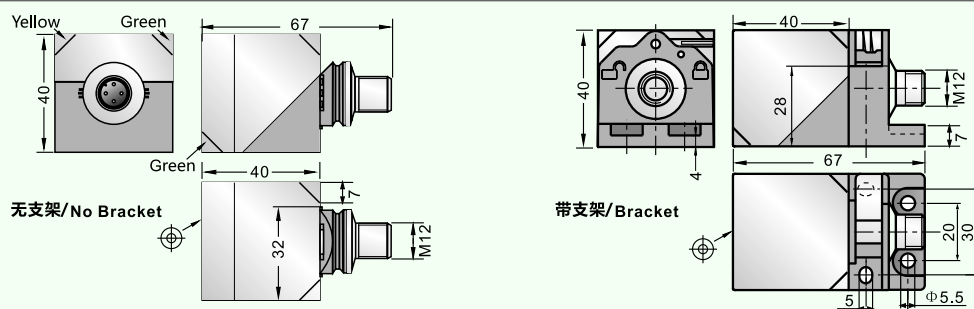


W40xH40xL67

CE

[illegible]

Dimensional drawing



Remark	31—NO of wiring diagram(refers to page 12...15)
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