



Short Catalog 2005/2006



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# INPROX SENSORS CORPORATION

## M3 3mm

## Inductive Proximity Sensors

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES	MATERIALS	TEMPERATURE	LOAD	PARTS	SWITCHING	CDROM		
<b>3 Wire DC 10-30VDC</b> Miniature Stainless Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable		Shielded .6mm	Unshielded 1mm	Housing Stainless	IP IP67	Operating Temperature -25--+70C	Load Current <100mA	Series X03DS3	Frequency 2KHz	Specs X03.1

## M4 4mm

## Inductive Proximity Sensors

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES	MATERIALS	TEMPERATURE	LOAD	PARTS	SWITCHING	CDROM		
<b>3 Wire DC 10-30VDC</b> Miniature Stainless Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable		Shielded .6mm	Unshielded 1mm	Housing Stainless	IP IP67	Operating Temperature -20--+70C	Load Current <100mA	Series X04DS3	Frequency 2KHz	Specs X04.1
<b>Advanced Range</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable	M8	.8mm	1.5mm	Stainless	IP67	-20--+70C	<200mA	X04AS3	5KHz	X04.2
<b>Long Range</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable		1mm	1.4mm	Stainless	IP67	-20--+70C	<200mA	X04LS3	5KHz	X04.3
<b>NAMUR 2 Wire 7.7-9VDC</b> Standard Metal Body Options: NPN/NC, PNP/NC	2m cable	M8	.8mm		Stainless	IP67	-25--+70C	***	X04NB2	5KHz	X04.4

## M5 5mm

## Inductive Proximity Sensors

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES	MATERIALS	TEMPERATURE	LOAD	PARTS	SWITCHING	CDROM		
<b>3 Wire DC 10-30VDC</b> Miniature Stainless Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable	M8	Shielded .8mm	Unshielded 1.5mm	Housing Stainless	IP IP67	Operating Temperature -20--+70C	Load Current <200mA	Series X05DS3	Frequency 5KHz	Specs X05.1
<b>Long Range</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable		1mm	1.4mm	Stainless	IP67	-20--+70C	<200mA	X05LS3	5KHz	X05.2
<b>NAMUR 2 Wire 7.7-9VDC</b> Standard Metal Body Options: NPN/NC, PNP/NC	2m cable	M8	.8mm		Stainless	IP67	-25--+70C	***	X05NB2	5KHz	X05.3

## M6.5 6.5mm

## Inductive Proximity Sensors

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES	MATERIALS	TEMPERATURE	LOAD	PARTS	SWITCHING	CDROM		
<b>3 Wire DC 10-30VDC</b> Miniature Stainless Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable	M8	Shielded 1.5mm	Unshielded 2.5mm	Housing Stainless	IP IP67	Operating Temperature -20--+70C	Load Current <200mA	Series X65DS3	Frequency 3/2.5KHz	Specs X65.1
<b>Miniature Short Body</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable	M8	1.5mm		Stainless	IP67	-20--+70C	<200mA	X65SS3	2KHz	X65.2
<b>Long Range</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable	M8	2mm	4mm	Stainless	IP67	-25--+70C	<200mA	X65LS3	5KHz	X65.3
<b>Short Body Long Range</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable	M8	2mm	4mm	Stainless	IP67	-25--+70C	<200mA	X65CS3	5KHz	X65.4
<b>High Temperature</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable		1.5mm		Stainless	IP67	-25--+125C	<150mA	X65HS3	4KHz	X65.5
<b>Low Temperature</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable		1.5mm		Stainless	IP67	-40--+85C	<150mA	X65TS3	4KHz	X65.6
<b>NAMUR 2 Wire 7.7-9VDC</b> Standard Metal Body Options: NPN/NC, PNP/NC	2m cable	M8	1.5mm	2.5mm	Stainless	IP67	-25--+70C	***	X65NS2	5KHz	X65.7
<b>High Temperature</b> Options: NPN/NC, PNP/NC	2m cable		1.5mm		Stainless	IP67	-25--+70C	***	X65VS2	5KHz	X65.8

## M8 8mm

## Inductive Proximity Sensors

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES	MATERIALS	TEMPERATURE	LOAD	PARTS	SWITCHING	CDROM		
<b>3 Wire DC 10-30VDC</b> Miniature Metal Body Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable	M12 M8	Shielded 1.5mm	Unshielded 2.5mm	Housing Metal-NBT	IP IP67	Operating Temperature -20--+70C	Load Current <200mA	Series X08DB3	Frequency 3/2.5KHz	Specs X08.1
<b>Miniature Short Body</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable	M12 M8	1.5mm	2.5mm	Stainless	IP67	-25--+70C	<200mA	X08DS3	4/3KHz	X08.2
<b>Long Range</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable	M12 M8	1.5mm	2.5mm	Metal-NBT	IP67	-20--+70C	<200mA	X08SB3	2/3KHz	X08.3
<b>Short Body Long Range</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable	M12 M8	1.5mm	2.5mm	Stainless	IP67	-25--+70C	<200mA	X08SS3	800Hz	X08.4
<b>High Temperature</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable		2mm	4mm	Metal-NBT	IP67	-25--+70C	<200mA	X08LB3	3KHz	X08.5
<b>Low Temperature</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable		2mm	4mm	Stainless	IP67	-25--+70C	<200mA	X08LS3	800Hz	X08.6
<b>High Temperature</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable		2mm	4mm	Metal-NBT	IP67	-25--+70C	<200mA	X08CB3	3KHz	X08.7
<b>Low Temperature</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable		2.5mm	3.5mm	Stainless	IP67	-25--+70C	<200mA	X08CS3	800Hz	X08.8
<b>High Temperature</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable		1.5mm		Stainless	IP67	-25--+125C	<150mA	X08HS3	4KHz	X08.9
<b>UNIVERSAL 2 Wire AC-DC 20-240VAC-DC</b> Standard Stainless Options: NO, NC	2m cable		1.5mm	2.5mm	Stainless	IP67	-25--+70C	<100mA	X08DS2A	25Hz	X08.12
<b>NAMUR 2 Wire 7.7-9VDC</b> Standard Metal Body Options: NPN/NC, PNP/NC	2m cable	M12 M8	1.5mm	2.5mm	Stainless	IP67	-25--+70C	***	X08NS3	5KHz	X08.13
<b>High Temperature</b> Options: NPN/NC, PNP/NC	2m cable		1.5mm		Stainless	IP67	-25--+125C	***	X08VS3	5KHz	X08.14
<b>ANALOG</b> Linear Analog Inductive	2m cable	M8	0-4mm		Metal-NBT	IP67	-20--+70C	***	X08DB5Y	1600Hz	X08.15

\*\*\* See Technical Specifications

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## M12 12mm Standard



## Inductive Proximity Sensors

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES		MATERIALS		TEMPERATURE	LOAD	PARTS	SWITCHING	CDROM
<b>3 Wire DC 10-30VDC</b>			<b>Shielded</b>	<b>Unshielded</b>	<b>Housing</b>	<b>IP</b>	<b>Operating Temperature</b>	<b>Load Current</b>	<b>Series</b>	<b>Frequency</b>	<b>Specs</b>
Standard Metal Body	2m cable	90 M12 M8	2mm	4mm	Metal-NBT	IP67	-20--+70C	<200mA	X12DB3	2KHz	X12.1
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC											
Long Distance	2m cable	M12	4mm	8mm	Metal-NBT	IP67	-20--+70C	<100mA	X12LB3	1KHz	X12.2
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC											
Short Body	2m cable	M12	2mm	4mm	Metal-NBT	IP67	-20--+70C	<300mA	X12SB3	12KHz	X12.3
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC											
Short w/Long Range	2m cable	M12	4mm	8mm	Metal-NBT	IP67	-20--+70C	<200mA	X12CB3	1KHz	X12.4
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC											
Plastic Body 2m cable		M12	2mm	4mm	Plastic	IP67	-25--+70C	<200mA	X12DP3	2/1.5KHz	X12.5
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC											
<b>4 Wire DC 10-30VDC</b>											
Standard Metal Body	2m cable	90 M12	2mm	4mm	Metal-NBT	IP67	-20--+70C	<100mA	X12DB4D	1KHz	X12.6
Options: Programmable											
Plastic Standard	2m cable	M12	2mm	4mm	Plastic	IP67	-25--+70C	<200mA	X12DP4D	2/1.5KHz	X12.7
Options: Programmable											
<b>2 Wire DC 10-30VDC</b>											
Standard Metal Body	2m cable	M12	2mm	4mm	Metal-NBT	IP67	-20--+70C	<100mA	X12DB2	1200/1000Hz	X12.8
Options: Programmable											
<b>2 Wire AC 20-240VAC</b>											
Standard	2m cable	M12	2mm	4mm	Metal-NBT	IP67	-20--+70C	<500mA	X12DB2A	25Hz	X12.9
Options: NO, NC											
Plastic Standard	2m cable	M12	2mm	4mm	Plastic	IP67	-25--+70C	<500mA	X12DP2A	25Hz	X12.11
Options: NO, NC											
<b>UNIVERSAL 2 Wire AC-DC 20-240VAC-DC</b>											
Standard	2m Cable	M12	2mm	4mm	Metal-NBT	IP67	-20--+70C	<100mA	X12UB2U	25Hz	X12.12
Options: NO, NC											
<b>UNIVERSAL 2 Wire AC-DC 10-50VAC-DC</b>											
Standard	2m cable	M12	2mm	4mm	Metal-NBT	IP67	-20--+70C	<100mA	X12UB2W	25Hz	X12.13
Options: NO, NC											
<b>ANALOG 0-10V &amp; 4-20mA</b>											
Linear Analog Inductive	2m cable	M12	0-6mm		Metal-NBT	IP67	-20--+70C	***	X12DB5Y	1000Hz	X12.14
Linear Analog Inductive	2m cable	M12	1-3mm		Metal-NBT	IP67	-25--+70C	***	X12DB5Z	250Hz	X12.15

## M12 12mm Special



## Inductive Proximity Sensors

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES		MATERIALS		TEMPERATURE	LOAD	PARTS	SWITCHING	CDROM
<b>3 Wire DC 10-30VDC</b>			<b>Shielded</b>	<b>Unshielded</b>	<b>Housing</b>	<b>IP</b>	<b>Operating Temperature</b>	<b>Load Current</b>	<b>Series</b>	<b>Frequency</b>	<b>Specs</b>
Harsh Duty Stainless		M12	2mm	4mm	Stainless	IP68	-20--+70C	<100mA	X12PS3	2KHz	X12.17
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC											
Harsh Duty Metal	2m cable	M12	2mm	4mm	Metal-NBT	IP68	-20--+70C	<100mA	X12PB3	2KHz	X12.18
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC											
Extended Temperature	2m cable		2mm		Metal-NBT	IP68	-25--+110C	<150mA	X12EB3	2KHz	X12.19
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC											
High Temperature	2m cable		2mm		Metal-NBT	IP68	-25--+125C	<150mA	X12HB3	2KHz	X12.21
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC											
Low Temperature	2m cable		2mm		Metal-NBT	IP68	-40--+85C	<150mA	X12TB3	2KHz	X12.22
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC											
High Pressure		M12	2mm	4mm	Metal-NBT	IP68	-25--+70C	<10mA	X12KB3	1000Hz	X12.23
Options: PNP/NO, NPN/NO											
<b>NAMUR 2 Wire 7.7-9VDC</b>											
Standard Metal Body	2m cable		2mm	4mm	Metal-NBT	IP68	-25--+75C	<500mA	X12NB2	25Hz	X12.24
Options: NPN/NC, PNP/NC											
High Temp Namur	2m cable		2mm	4mm	Metal-NBT	IP68	-20--+70C	<500mA	X12VB2	25Hz	X12.25
Options: NPN/NC, PNP/NC											
Plastic Namur	2m cable		2mm	4mm	Plastic	IP68	-25--+70C	***	X12NP2	.5/1KHz	X12.26
Options: NPN/NC, PNP/NC											

## M14 14mm



## Inductive Proximity Sensors

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES		MATERIALS		TEMPERATURE	LOAD	PARTS	SWITCHING	CDROM
<b>3 or 4 Wire DC 10-30VDC</b>			<b>Shielded</b>	<b>Unshielded</b>	<b>Housing</b>	<b>IP</b>	<b>Operating Temperature</b>	<b>Load Current</b>	<b>Series</b>	<b>Frequency</b>	<b>Specs</b>
Standard Metal Body	2m cable		3mm	5mm	Metal-NBT	IP67	-25--+70C	<200mA	X14DB3	2/1.5KHz	X14.1
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC											
Options: Programmable			3mm	5mm	Metal-NBT	IP67	-25--+70C	<200mA	X14DB4	2/1.5KHz	X14.2

## M16 16mm



## Inductive Proximity Sensors

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES		MATERIALS		TEMPERATURE	LOAD	PARTS	SWITCHING	CDROM
<b>3 or 4 Wire DC 10-30VDC</b>			<b>Shielded</b>	<b>Unshielded</b>	<b>Housing</b>	<b>IP</b>	<b>Operating Temperature</b>	<b>Load Current</b>	<b>Series</b>	<b>Frequency</b>	<b>Specs</b>
Standard Metal Body	2m cable		4mm	5.5mm	Metal-NBT	IP67	-25--+70C	<200mA	X16DB3	1.5/1KHz	X16.1
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC											
Options: Programmable			4mm	5.5mm	Metal-NBT	IP67	-25--+70C	<200mA	X16DB4	1.5/1KHz	X16.2

## M18 18mm Standard



## Inductive Proximity Sensors

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES	MATERIALS	TEMPERATURE	LOAD	PARTS	SWITCHING	CDROM		
<b>3 Wire DC 10-30VDC</b>			<b>Shielded</b>	<b>Unshielded</b>	<b>Housing</b>	<b>IP</b>	<b>Operating Temperature</b>	<b>Load Current</b>	<b>Series</b>	<b>Frequency</b>	<b>Specs</b>
Standard Metal Body	2m cable	90 M12 M8	5mm	8mm	Metal-NBT	IP67	-20--+70C	<400mA	X18DB3	150Hz	X18.1
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC											
Long Distance	2m cable	M12 M8	8mm	12mm	Metal-NBT	IP67	-20--+70C	<400mA	X18LB3	150Hz	X18.2
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC											
4X Range	2m cable	M12	10mm	14mm	Metal-NBT	IP67	-20--+70C	<200mA	X18XB3	300/200Hz	X18.3
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC											
Short Body	2m cable	M12 M8	5mm	8mm	Metal-NBT	IP67	-20--+70C	<400mA	X18SB3	150Hz	X18.4
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC											
Short Body/4X	2m cable	M12	10mm	14mm	Metal-NBT	IP67	-20--+70C	<200mA	X18QB3	300/200Hz	X18.5
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC											
Plastic Body	2m cable	M12	5mm	8mm	Plastic	IP67	-25--+70C	<400mA	X18DP3	1KHz	X18.6
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC											
Amphenol Connector	Amphenol	Amphenol90	5mm	8mm	Metal-NBT	IP67	-20--+70C	<400mA	X18YB3	1KHz	X18.7
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC											
<b>4 Wire DC 10-30VDC Programmable</b>											
Standard Metal Body	2m cable	90 M12 M8	5mm	8mm	Metal-NBT	IP67	-20--+70C	<100mA	X18DB4D	300Hz	X18.8
Options: Programmable											
Plastic Standard	2m cable	M12	5mm	8mm	Plastic	IP67	-25--+70C	<400mA	X18DP4D	1KHz	X18.9
Options: Programmable											
<b>2 Wire DC 10-30VDC</b>											
Standard Metal Body	2m cable	M12	5mm	8mm	Metal-NBT	IP67	-20--+70C	<400mA	X18DB2	800/400Hz	X18.11
Options: PNP/NO+NC, NPN/NO+NC											
<b>2 Wire AC 20-240VAC</b>											
Standard Metal Body	2m cable	M12	5mm	8mm	Metal-NBT	IP67	-20--+70C	<300mA	X18DB2A	25Hz	X18.12
Options: NO,NC											
Plastic Standard	2m cable	M12	5mm	8mm	Plastic	IP67	-25--+70C	<500mA	X18DP2A	25Hz	X18.13
Options: NO,NC											
<b>3 Wire AC 20-240VAC</b>											
Standard Metal Body	2m cable	M12	2-5mm	3-10mm	Metal-NBT	IP67	-25--+70C	<250mA	X18DB3A	10Hz	X18.14
Options: NO,NC											
<b>UNIVERSAL 2 Wire AC-DC 20-240VAC-DC</b>											
Standard Metal Body	2m Cable	M12	5mm	8mm	Metal-NBT	IP67	-20--+70C	<200mA	X18UB2U	25Hz	X18.15
Options: NO,NC											
<b>UNIVERSAL 2 Wire AC-DC 10-50VAC-DC</b>											
Standard Metal Body	2m cable	M12	5mm	8mm	Metal-NBT	IP67	-20--+70C	<200mA	X18UB2W	25Hz	X18.16
Options: NO,NC											
<b>ANALOG 0-10V &amp; 4-20mA</b>											
Linear Analog Inductive	2m cable	M12	2-6mm	3-8mm	Metal-NBT	IP67	-20--+70C	***	X18DB5Y	.5-1.6KHz	X18.17

## M18 18mm Special



## Inductive Proximity Sensors

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES	MATERIALS	TEMPERATURE	LOAD	PARTS	SWITCHING	CDROM		
<b>3 Wire DC 10-30VDC</b>			<b>Shielded</b>	<b>Unshielded</b>	<b>Housing</b>	<b>IP</b>	<b>Operating Temperature</b>	<b>Load Current</b>	<b>Series</b>	<b>Frequency</b>	<b>Specs</b>
Harsh Duty Stainless		M12	5mm	8mm	Stainless	IP68	-20--+70C	<400mA	X18PS3	1KHz	X18.19
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC											
Harsh Duty Metal	2m cable	M12	5mm	8mm	Metal-NBT	IP68	-20--+70C	<400Ma	X18PB3	1KHz	X18.21
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC											
Harsh Duty Plastic	2m cable		5mm	8mm	Plastic	IP68	-20--+70C	<400mA	X18PP3	1KHz	X18.22
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC											
Harsh Duty Short	2m cable	M12	5mm	8mm	Metal-NBT	IP68	-20--+70C	<200mA	X18SB3	.8/.6KHz	X18.23
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC											
Extended Temperature	2m cable		5mm		Metal-NBT	IP68	-25--+110C	<250mA	X18EB3	1KHz	X18.24
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC											
High Temperature	2m cable		5mm		Metal-NBT	IP68	-25--+125C	<250mA	X18HB3	1KHz	X18.25
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC											
Low Temperature	2m cable		5mm		Metal-NBT	IP68	-40--+85C	<250mA	X18TB3	1KHz	X18.26
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC											
X Duty Full Stainless	2m Cable		5mm		2XStainless	IP68	-25--+75C	<200mA	X18JS3	50HZ	X18.27
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC											
<b>4 Wire DC 10-30VDC Programmable</b>											
Harsh Duty Metal	2m cable		5mm	8mm	Metal-NBT	IP68	-25--+75C	<400mA	X18PB4	1KHz	X18.28
Options: Programmable											
<b>2 Wire AC 20-240VAC</b>											
Harsh Duty Metal	2m cable		5mm	8mm	Metal-NBT	IP68	-25--+75C	<500mA	X18PB2A	25Hz	X18.29
Options: NO, NC											
Harsh Duty Plastic	2m cable	M12	5mm	8mm	Metal-NBT	IP68	-20--+70C	<500mA	X18PP2A	25Hz	X18.31
Options: NO, NC											
<b>NAMUR 2 Wire 7.7-9VDC</b>											
Standard Metal Body	2m cable		5mm		Metal-NBT	IP68	-20--+70C	***	X18NB2	.8/.6KHz	X18.32
Options: NPN/NC, PNP/NC											
High Temp Namur	2m cable		5mm	8mm	Plastic	IP68	-25--+125C	***	X18VB2	1KHz	X18.33
Options: NPN/NC, PNP/NC											
Plastic Namur	2m cable		5mm	8mm	Plastic	IP68	-20--+70C	***	X18NP2	.1/.5KHz	X18.34
Options: NPN/NC, PNP/NC											
Short Plastic Namur	2m Cable		5mm	8mm	Plastic	IP68	-20--+70C	***	X18GP2	.8/.6KHz	X18.35
Options: NPN/NC, PNP/NC											

## M28 28mm

## Inductive Proximity Sensors

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES		MATERIALS		TEMPERATURE	LOAD	PARTS	SWITCHING	CDROM
<b>Namur 2 Wire 7.7-9VDC</b> Standard Metal Body Options: NPN/NC, PNP/NC	2m cable		Shielded 10mm	Unshielded 15mm	Housing Metal-NBT	IP IP67	Operating Temperature -20--+70C	Load Current *	Series X28NB2	Frequency .3/.2KHz	Specs X28.1

## M30 30mm Standard

## Inductive Proximity Sensors

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES		MATERIALS		TEMPERATURE	LOAD	PARTS	SWITCHING	CDROM
<b>3 Wire DC 10-30VDC</b> Standard Metal Body Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable	M12	Shielded 10mm	Unshielded 15mm	Housing Metal-NBT	IP IP67	Operating Temperature -20--+70C	Load Current <400mA	Series X30DB3	Frequency 200Hz	Specs X30.1
<b>Long Distance</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable	M12	15mm	20mm	Metal-NBT	IP67	-20--+70C	<400mA	X30LB3	150Hz	X30.2
<b>4X Range</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable	M12	20mm	28mm	Metal-NBT	IP67	-20--+70C	<200mA	X30XB3	100Hz	X30.3
<b>Short Body</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable	M12	10mm	15mm	Metal-NBT	IP67	-20--+70C	<200mA	X30SB3	.8/.4KHz	X30.4
<b>Short Body/4X</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable	M12	20mm	28mm	Metal-NBT	IP67	-20--+70C	<200mA	X30QB3	100Hz	X30.5
<b>Plastic Body</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable	M12	10mm	15mm	Plastic	IP67	-20--+70C	<400mA	X30DP3	.8/.4KHz	X30.6
<b>Plastic Short Body</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable		10mm	15mm	Plastic	IP67	-25--+70C	<200mA	X30SP3	.8/.6KHz	X30.7
<b>Amphenol Connector</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC		Am Am90	10mm	15mm	Metal-NBT	IP67	-25--+70C	<400mA	X30YB3	.8/.4KHz	X30.8
<b>4 Wire DC 10-30VDC Programmable</b> Standard Body Options: Programmable	2m cable		10mm	15mm	Metal-NBT	IP67	-25--+70C	<400mA	X30DB4	.15KHz	X30.9
<b>2 Wire DC 10-30VDC</b> Standard Metal Body Options: PNP/NO+NC, NPN/NO+NC	2m cable	M12	10mm	15mm	Metal-NBT	IP67	-25--+70C	<100mA	X30DB2	150KHz	X30.11
<b>Long Distance</b> Options: PNP/NO+NC, NPN/NO+NC	2m cable	M12	15mm	20mm	Metal-NBT	IP67	-20--+70C	<100mA	X30LB2	75Hz	X30.12
<b>2 Wire AC 20-240VAC</b> Standard Metal Body Options: NO, NC	2m cable	M12 M8	10mm	15mm	Metal-NBT	IP67	-20--+70C	<400mA	X30DB2A	25Hz	X30.13
<b>Plastic Standard</b> Options: NO, NC	2m cable	M12	10mm	15mm	Plastic	IP67	-20--+70C	<500mA	X30DP2A	25Hz	X30.14
<b>3 Wire AC 20-240VAC</b> Standard Metal Body Options: NO, NC	2m cable	M12	10mm	15mm	Metal-NBT	IP67	-25--+70C	<250mA	X30DB3A	10Hz	X30.15
<b>UNIVERSAL 2 Wire AC-DC 20-240VAC-DC</b> Standard Metal Body Options: NO, NC	2m Cable	M12	10mm	15mm	Metal-NBT	IP67	-25--+70C	<200mA	X30UB2U	25Hz	X30.16
<b>UNIVERSAL 2 Wire AC-DC 10-50VAC-DC</b> Standard Metal Body Options: NO, NC	2m cable	M12	10mm	15mm	Metal-NBT	IP67	-20--+70C	<200mA	X30UB2W	25Hz	X30.17

## M30 30mm Special

## Inductive Proximity Sensors

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES		MATERIALS		TEMPERATURE	LOAD	PARTS	SWITCHING	CDROM
<b>3 Wire DC 10-30VDC</b> Extended Temperature Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable		Shielded 10mm	Unshielded	Housing Metal-NBT	IP IP68	Operating Temperature -25--+110C	Load Current <250mA	Series X30EB3	Frequency .8KHz	Specs X30.18
<b>High Temperature</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable		10mm		Metal-NBT	IP68	-25--+125C	<250mA	X30HB3	.8KHz	X30.19
<b>Low Temperature</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable		10mm		Metal-NBT	IP68	-40--+85C	<250mA	X30TB3	.8Hz	X30.21
<b>NAMUR 2 Wire 7.7-9VDC</b> Standard Metal Body Options: NPN/NC, PNP/NC	2m cable	M12	10mm	15mm	Metal-NBT	IP68	-20--+70C	***	X30NB2	.3KHz	X30.22
<b>High Temp Namur</b> Options: NPN/NC, PNP/NC	2m cable		10mm		Metal-NBT	IP68	-25--+125C	***	X30VB2	.3KHz	X30.23
<b>Plastic Namur</b> Options: NPN/NC, PNP/NC	2m cable		10mm	15mm	Plastic	IP68	-20--+70C	***	X30NP2	.3/.2KHz	X30.24
<b>Short Plastic Namur</b> Options: NPN/NC, PNP/NC	2m Cable		10mm	15mm	Plastic	IP68	-20--+70C	***	X30GP2	.8/.4KHz	X30.25

\*\*\* See Technical Specifications

# INPROX SENSORS CORPORATION

## M45 45mm

## Inductive Proximity Sensors

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES	MATERIALS	TEMPERATURE	LOAD	PARTS	SWITCHING	CDROM		
<b>3 Wire DC 10-30VDC</b> Standard Metal Body Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable		Shielded 20mm	Unshielded	Housing Metal-NBT	IP IP67	Operating Temperature -20--+70C	Load Current <400mA	Series X45DB3	Frequency .15KHz	Specs X45.1
<b>Amphenol Connector</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable	Am Am90	20mm		Metal-NBT	IP67	-25--+70C	<400mA	X45YB3	.15KHz	X45.2
<b>High Temperature</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable		20mm		Metal-NBT	IP67	-25--+125C	<250mA	X45HB3	.15KHz	X45.3
<b>Low Temperature</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable		20mm		Metal-NBT	IP67	-40--+85C	<250mA	X45TB3	.15KHz	X45.4
<b>2 Wire AC 20-240VAC</b> Standard Metal Body Options: NO, NC			20mm		Metal-NBT	IP67	-20--+70C	<500mA	X45DB2A	20Hz	X45.5
<b>NAMUR</b> Standard Metal Body Options: NPN/NC, PNP/NC	2m cable		20mm		Metal-NBT	IP67	-20--+70C	***	X45NB2	.3KHz	X45.6
<b>High Temperature</b> Options: NPN/NC, PNP/NC			20mm		Metal-NBT	IP67	-25--+125C	***	X45VB2	.3KHz	X45.7

## M5x5 25x5x5mm

## Inductive Proximity Sensors

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES	MATERIALS	TEMPERATURE	LOAD	PARTS	SWITCHING	CDROM		
<b>3 Wire DC 10-30VDC</b> Micro Metal Body Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable		Shielded .8mm	Unshielded	Housing Metal-NBT	IP IP67	Operating Temperature -25--+70C	Load Current <200mA	Series X55DB3	Frequency 5KHz	Specs X55.1
	25x5x5mm long rectangular body										

## MA 28x16x10mm

## Inductive Proximity Sensors

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES	MATERIALS	TEMPERATURE	LOAD	PARTS	SWITCHING	CDROM		
<b>3 Wire DC 10-30VDC</b> Mini Standard Flat Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable	M8	Shielded 3mm	Unshielded 6mm	Housing PA	IP IP67	Operating Temperature -20--+70C	Load Current <300mA	Series XA1DP3	Frequency 3KHz	Specs XA1.1
	28x16x10mm rectangular body										

## MY 40/50x25/30

## Inductive Proximity Sensors

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES	MATERIALS	TEMPERATURE	LOAD	PARTS	SWITCHING	CDROM		
<b>3 Wire DC 10-30VDC</b> Mini Standard Flat Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable	M8	Shielded 5mm	Unshielded 8mm	Housing Plastic	IP IP67	Operating Temperature -25--+70C	Load Current <400mA	Series XY1DP3	Frequency 1KHz	Specs XY1.1
	40x25x10mm rectangular body										
<b>Mini Long Range Flat</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable	M8	10mm	15mm	Plastic	IP67	-25--+70C	<400mA	XY2DP3	.8/.4KHz	XY1.2
	50X30x15mm rectangular body										
<b>4 Wire DC 10-30VDC</b> Mini Standard Flat Options: Programmable	2m cable	M8	5mm	8mm	Plastic	IP67	-25--+70C	<400mA	XY1DP4D	1KHz	XY1.3
	40x25x10mm rectangular body										
<b>Mini Long Range</b> Options: Programmable	2m cable	M8	10mm	15mm	Plastic	IP67	-25--+70C	<400mA	XY2DP4D	.8/.4KHz	XY1.4
	50x30x15mm rectangular body										
<b>2 Wire AC-DC 20-250VAC-DC</b> Mini Standard Flat Options: NO, NC	2m cable	M8	5mm	8mm	Plastic	IP67	-25--+70C	<500mA	XY1DP2A	20Hz	XY1.5
	40x25x10mm rectangular body										
<b>Mini Long Range Flat</b> Options: NO, NC	2m cable	M8	10mm	15mm	Plastic	IP67	-25--+70C	<500mA	XY2DP2A	20Hz	XY1.6
	50x30x15mm rectangular body										
<b>NAMUR</b> Mini Standard Flat Options: NPN/NC, PNP/NC	2m cable	M8	5mm	8mm	Plastic	IP67	-25--+70C		XY1NP2	2/1KHz	XY1.7
	40x25x10mm rectangular body										
<b>Mini Long Range Flat</b> Options: NPN/NC, PNP/NC	2m cable	M8	10mm	15mm	Plastic	IP67	-25--+70C		XY2NP2	.8/.4KHz	XY1.8
	50x30x15mm rectangular body										

## M40x25x12mm

## Inductive Proximity Sensors

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES	MATERIALS	TEMPERATURE	LOAD	PARTS	SWITCHING	CDROM		
<b>3 Wire DC 10-30VDC</b> Mini Standard Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable		Shielded 2mm	Unshielded 4mm	Housing Plastic	IP IP67	Operating Temperature -25--+70C	Load Current <200mA	Series XT1RP3	Frequency 1/8KHz	Specs XT1.1
<b>4 Wire DC 10-30VDC</b> Mini Standard Options: Programmable	2m cable		2mm	4mm	Plastic	IP67	-25--+70C	<200mA	XT1RP4D	1/8KHz	XT1.2
<b>2 Wire AC 20-240VAC</b> Mini Standard Options: NO, NC	2m cable		2mm	4mm	Plastic	IP67	-25--+70C	<500mA	XT1RP2A	25Hz	XT1.3
<b>NAMUR 2 Wire 7.7-9VDC</b> Mini Standard Options: NPN/NC, PNP/NC	2m cable		2mm	4mm	Plastic	IP67	-25--+70C	***	XT1RNP2	1/8KHz	XT1.4

## M80 80x40mm

## Inductive Proximity Sensors

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES		MATERIALS		TEMPERATURE	LOAD	PARTS	SWITCHING	CDROM
<b>3 Wire DC 10-30VDC</b> Large Body Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable	M12	Shielded 40mm	Unshielded	Housing Plastic	IP IP67	Operating Temperature -25--+70C	Load Current <400mA	Series X800P3	Frequency .5KHz	Specs X80.1
<b>4 Wire DC 10-30VDC Programmable</b> Large Body Options: Programmable	2m cable	M12	40mm		Plastic	IP67	-25--+70C	<400mA	X800P4	.5KHz	X80.2
<b>2 Wire AC 20-240VAC</b> Large Body Options: Programmable	2m cable	M12 M8	40mm		Plastic	IP67	-25--+70C	<500mA	X800P2A	1.5KHz	X80.3
<b>NAMUR 2 Wire 7.7-9VDC</b> Large Body Options: NPN/NC, PNP/NC	2m cable	M12	40mm		Plastic	IP67	-25--+70C	***	X800PN2	.5KHz	X80.4

## FL Flat 100x60mm

## Inductive Proximity Sensors

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES		MATERIALS		TEMPERATURE	LOAD	PARTS	SWITCHING	CDROM
<b>3 Wire DC 10-30VDC</b> Flat Pack Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable	M12	Shielded 10-55mm	Unshielded	Housing Plastic	IP IP67	Operating Temperature -20--+70C	Load Current <400mA	Series XFLRP3	Frequency .3KHz	Specs XFL.1
<b>2 Wire AC 20-240VAC</b> Flat Pack Options: NO, NC	2m cable	M12	10-55mm		Plastic	IP67	-20--+70C	<400mA	XFLRP2A	20Hz	XFL.2
<b>NAMUR 2 Wire 7.7-9VDC</b> Flat Pack Options: NPN/NC, PNP/NC	2m cable	M12	75mm		Plastic	IP67	-20--+70C	***	XFLRNP2	.3KHz	XFL.3

## 5WAY 5 Position Limit Switch Style

## Inductive Proximity Sensors

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES		MATERIALS		TEMPERATURE	LOAD	PARTS	SWITCHING	CDROM
<b>4 Wire DC 10-30VDC</b> Standard Options: Programmable	terminal block		Shielded 15mm	Unshielded 20mm	Housing Plastic	IP IP67	Operating Temperature -25--+70C	Load Current <400mA	Series X5WRP4	Frequency .1KHz	Specs X5W.1
<b>2 Wire AC 20-240VDC</b> Standard Options: NO, NC	terminal block		15mm	20mm	Plastic	IP67	-25--+70C	<500mA	X5WRP2A	.25Hz	X5W.2
<b>NAMUR 2 Wire 7.7-9VDC</b> Standard Options: NPN/NC, PNP/NC	terminal block		15mm	20mm	Plastic	IP67	-25--+70C	***	X5WRNP2	.2KHz	X5W.3

## FORK 3.5-30mm Width

## Inductive Proximity Sensors

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES		MATERIALS		TEMPERATURE	LOAD	PARTS	SWITCHING	CDROM
<b>3 Wire DC 10-30VDC</b> 3.5mm Width Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable		Shielded 3.5mm	Unshielded	Housing Plastic	IP IP67	Operating Temperature -25--+70C	Load Current <200mA	Series XF1FP3	Frequency 1KHz	Specs XF1.1
<b>5mm Width</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable		5mm		Plastic	IP67	-25--+70C	<200mA	XF2FP3	1KHz	XF1.2
<b>15mm Width</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable	M12	15mm		Plastic	IP67	-25--+70C	<500mA	XF3FP3	.5KHz	XF1.3
<b>30mm Width</b> Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC	2m cable	M12	30mm		Plastic	IP67	-25--+70C	<400mA	XF4FP3	.2KHz	XF1.4
<b>2 Wire AC 20-240VDC</b> 15mm Width Options: NO, NC	2m cable		15mm		Plastic	IP67	-25--+70C	<500mA	XF3FP2A	15Hz	XF1.5
<b>30mm Width</b> Options: NO, NC	2m cable		30mm		Plastic	IP67	-25--+70C	<500mA	XF4FP2A	15Hz	XF1.6

## C12 12mm Capacitive

## Capacitive Sensors

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES		MATERIALS		TEMPERATURE	LOAD	PARTS	SWITCHING	CDROM
<b>3 Wire CAPACITIVE SENSOR</b> Metal Housing Options: PNP/NO, PNP/NC, NPN/NO	2m cable		Shielded 2.5mm	Unshielded	Housing NBT	IP IP67	Operating Temperature -25--+70C	Load Current <300mA	Series C12DB3	Frequency 100Hz	Specs C12.1

\*\*\* See Technical Specifications

# INPROX SENSORS CORPORATION

## C18 18mm Capacitive

## Capacitive Sensors

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES		MATERIALS		TEMPERATURE		LOAD	PARTS	SWITCHING	CDROM
<b>3 Wire CAPACITIVE SENSOR 10-48VDC</b> Metal Housing	2m cable	M12	Shielded	Unshielded	Housing	IP	Operating Temperature -25--+70C		<300mA	Series C18DB3	Frequency 100Hz	Specs C18.1
			1-5mm		NBT	IP67						
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC												
Plastic Housing	2m cable	M12		2-8mm	Plastic	IP67	-25--+70C		<300mA	C18DP3	100Hz	C18.2
			Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC									
<b>2 Wire CAPACITIVE SENSOR 20-240VAC</b> Metal Housing	2m cable	M12	1-5mm		NBT	IP67	-25--+70C		<300mA	C18DB2A	25Hz	C18.3
			Options: NO, NC									
Plastic Housing	2m cable	M12	2-8mm		Plastic	IP67	-25--+70C		<300mA	C18DP2A	25Hz	C18.4
			Options: NO, NC									

## C30 30mm Capacitive

## Capacitive Sensors

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES		MATERIALS		TEMPERATURE		LOAD	PARTS	SWITCHING	CDROM
<b>3 Wire CAPACITIVE SENSOR 10-30VDC</b> Metal Body-Check	2m cable	M12	Shielded	Unshielded	Housing	IP	Operating Temperature -25--+70C		<200mA	Series C30MB3	Frequency 100Hz	Specs C30.1
			2-15mm	2-20mm	Metal-NBT	IP67						
			Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC									
Standard Metal Body	2m cable	M12	2-15mm		Metal-NBT	IP67	-25--+70C		<200mA	C30DB3	100Hz	C30.2
			Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC									
Plastic Body	2m cable	M12	5-20mm		Plastic	IP67	-25--+70C		<300mA	C30DP3	100Hz	C30.3
			Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC									
<b>2 Wire CAPACITIVE SENSOR 20-240VAC</b> Metal Body	2m cable	M12	2-10mm		NBT	IP67	-25--+70C		<300mA	C30DB2A	25Hz	C30.4
			Options: NO, NC									
Plastic Body	2m cable	M12	5-20mm		Plastic	IP67	-25--+70C		<300mA	C30DP2A	25Hz	C30.5
			Options: NO, NC									

## C34 34mm Capacitive

## Capacitive Sensors

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES		MATERIALS		TEMPERATURE		LOAD	PARTS	SWITCHING	CDROM
<b>3 Wire CAPACITIVE SENSOR 10-48VDC</b> Plastic	2m cable	M12	Shielded	Unshielded	Housing	IP	Operating Temperature -25--+70C		<300mA	Series C34DB3	Frequency 100Hz	Specs C34.1
			7-30mm		Plastic	IP67						
Options: PNP/NO, PNP/NC, NPN/NO												
<b>2 Wire CAPACITIVE SENSOR 24-240VAC</b> Plastic Housing	2m cable	M12	7-30mm		Plastic	IP67	-25--+70C		<300mA	C34DP2A	25Hz	C34.2
			Options: NO, NC									

## UV8 18mm

## Ultraviolet

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES		MATERIALS		TEMPERATURE		LOAD	PARTS	SWITCHING	CDROM
<b>4 Wire Luminescence UV 10-30VDC</b> Standard Plastic Body	2m cable	M12 90	12 Lens	25 Lens	Housing	IP	Operating Temperature -0--+55C		<100mA	Series PUVSTF9	Frequency 10KHz	Specs PUV.1
			12mm	25mm	PBT	IP65						
Options: PNP/LO+DO, NPN/LO+DO												

## UV30 30mm

## Ultraviolet

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES		MATERIALS		TEMPERATURE		LOAD	PARTS	SWITCHING	CDROM
<b>4 Wire Luminescence UV 10-30VDC LO/DO</b> Standard Metal Body	2m cable	M12 90	Lens		Housing	IP	Operating Temperature -5--+55C		<100mA	Series PUVSTF3	Frequency 400Hz	Specs PUV.2
			30mm		Metal-NBT	IP65						
Options: PNP/LO+DO, NPN/LO+DO												

## U9 Series 18mm

## Ultrasonic

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES		MATERIALS		TEMPERATURE		LOAD	PARTS	SWITCHING	CDROM
<b>Ultrasonic Diffuse 300 Series 18-30VDC</b> U9 Analog Output	2m cable	M12 w/pigtail	Min Range Max Range		Housing	IP	Operating	Time inMS	Load Current	Series	Frequency	Specs
			0-10V	60mm 300mm	PBTP	IP67	-15--+70C	50ms	<5mA	PU9300T4Z	***	PU9.1
			4-20mA	60mm 300mm	PBTP	IP67	-15--+70C	50ms	<4-20mA	PU9300T4X	***	PU9.2
			(digital only)	60mm 300mm	PBTP	IP67	-15--+70C		<500mA	PU9300T4P	25Hz	PU9.3
<b>Ultrasonic Diffuse 600 Series 18-30VDC</b> U9 Analog Output	2m cable	M12 w/pigtail	100mm 600mm		PBTP	IP67	-15--+70C	50ms	<5mA	PU9600T4Z	***	PU9.4
			4-20mA	100mm 600mm	PBTP	IP67	-15--+70C	50ms	<4-20mA	PU9600T4X	***	PU9.5
			(digital only)	100mm 600mm	PBTP	IP67	-15--+70C		<500mA	PU9600T4P	8KHz	PU9.6
<b>Ultrasonic Diffuse 1500 Series 18-30VDC</b> U9 Analog Output	2m cable	M12 w/pigtail	200mm 1500mm		PBTP	IP67	-15--+70C	150ms	<5mA	PU915KT4Z	***	PU9.7
			4-20mA	200mm 1500mm	PBTP	IP67	-15--+70C	150ms	<4-20mA	PU915KT4X		PU9.8
			(digital only)	200mm 1500mm	PBTP	IP67	-15--+70C		<500mA	PU915KT4P	8KHz	PU9.9
			(digital only)	400mm 1500mm	PBTP	IP67	-15--+70C		<500mA	PU9E15T4Z	8KHz	PU9.11

\*\*\* See Technical Specifications

## U3 Series 30mm

## Ultrasonic

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES		MATERIALS		TEMPERATURE		LOAD	PARTS	SWITCHING	CDROM
<b>Ultrasonic U3 Diffuse 2500 Series 18-30VDC</b> U3 Analog Output 0-10V		M12	Min Range 300mm	Max Range 2500mm	Housing PBTP	IP IP67	Operating -15--+70C	Time inMS 90ms	Load Current <5mA	Series PU325KT4Z	Frequency 1Hz	Specs PU3.1
U3 Analog Output 4-20mA		M12	300mm	2500mm	PBTP	IP67	-15--+70C	90ms	<4-20mA	PU325KT4X	1Hz	PU3.2
U3 PNP NO (digital only)		M12	300mm	2500mm	PBTP	IP67	-15--+70C	***	<500mA	PU325KT4P	1Hz	PU3.3
<b>Ultrasonic U3 Diffuse 2000 Series 19-30VDC</b> U3 Analog & Digital 2 PNP NO-NC & 0-10V		M12	250mm	2000mm	PBTP	IP67	-15--+70C	60ms	<100mA	PU320KT4G	1Hz	PU3.4
U3 Analog & Digital 2 PNP NO-NC & 4-20mA		M12	250mm	2000mm	PBTP	IP67	-15--+70C	60ms	<100mA	PU320KT4H	1Hz	PU3.5
U3 PNP NO (digital only)		M12	250mm	2000mm	PBTP	IP67	-15--+70C	***	<100mA	PU320KT4P	1Hz	PU3.6
<b>Ultrasonic U3 Diffuse 2000 Series 19-30VDC</b> U3 Analog & Digital 2 PNP NO-NC & 0-10V		M12	350mm	3500mm	PBTP	IP67	-15--+70C	120ms	<100mA	PU335KT4G	.8Hz	PU3.7
U3 Analog & Digital 2 PNP NO-NC & 4-20mA		M12	350mm	3500mm	PBTP	IP67	-15--+70C	120ms	<100mA	PU335KT4H	.8Hz	PU3.8
U3 PNP NO (digital only)		M12	350mm	3500mm	PBTP	IP67	-15--+70C	***	<500mA	PU335KT4P	.8HZ	PU3.9

## UC MicroCubic 30x20x12mm

## Ultrasonic

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES		MATERIALS		TEMPERATURE		LOAD	PARTS	SWITCHING	CDROM
<b>Ultrasonic UC 300 Series 18-30VDC</b> Transmitter 2m cable			Min Range >0mm	Max Range 300mm	Housing PBTP	IP IP67	Operating -15--+70C	Time inMS ***	Load Current <500mA	Series PU2300TT2	Frequency 150KHz	Specs PU2.1
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC Receiver 2m cable			>0mm	300mm	PBTP	IP67	-15--+70C	***	<4-20mA	PU2300RT2	150KHz	PU2.2
Options: PNP/NO, PNP/NC, NPN/NO, NPN/NC												

## PF 050 Web Guide Sensor

## Web Guide

SENSOR SERIES	CABLE	CONNECTOR(S)	DIMENSIONS		MATERIALS		LOAD	PARTS	SWITCHING	CDROM
<b>4 Wire DC 14-30VDC/110VAC Output Fork Sensor</b> 90mmFork Sensor		M12	Depth 50mm	Width 38mm	Housing PCB	IP IP64	Load Current <500mA	Series FO050A	Frequency 25Hz	Specs PFO.1
Options: TRIAC Output /LO-DO selectable										
<b>4 Wire DC 14-30VDC/24VAC/DC Output Fork Sensor</b> 90mmFork Sensor		M12	50mm	38mm	PCB	IP64	<500mA	FO050A	25Hz	PFO.2
Options: TRIAC Output /LO-DO selectable										

## GL 015 Gloss Sensor

## Gloss

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGES	MATERIALS		TEMPERATURE	LOAD	PARTS	SWITCHING	CDROM
<b>4 Wire DC 10-30VDC</b> Standard Gloss Sensor		M12	Max Range 20mm	Housing PMMA	IP IP67		Load Current <100mA	Series PGL015	Frequency 500Hz	Specs PGL.1
Options: Programmable										

## P30 Serial Data Link – Optical Transmission

## Serial – Optical

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGE	MATERIALS		TEMPERATURE	LED	LOAD	PARTS	SWITCH	CDROM
<b>3/4 Wires 12-24VDC Serial Data Link</b> 3m Infrared Transmitter/Receiver Set		M12(90)	Max Range 3m	Housing Metal-NBT	IP IP67	Operating Temp. -25--+70C	Led Infrared	Load Current <100mA	Series PERSEDAT1	Frequency 20mA TTY	Specs PER.1 or RS232
Options: NPN (20mA TTY Current Loop OR Serial RS232)											
<b>6m Infrared Transmitter/Receiver Set</b>		M12(90)	6m	Metal-NBT	IP67	-25--+70C	Infrared	<100mA	PERSEDAT2	20mA TTY	PER.2 or RS232
Options: NPN (20mA TTY Current Loop OR Serial RS232)											
<b>50m Infrared Transmitter/Receiver Set</b>		M12(90)	50m	Metal-NBT	IP67	-25--+70C	Infrared	<100mA	PERSEDAT3	20mA TTY	PER.3 or RS232
Options: NPN (20mA TTY Current Loop OR Serial RS232)											
<b>100m Infrared Transmitter/Receiver Set</b>		M12(90)	100m	Metal-NBT	IP67	-25--+70C	Infrared	<100mA	PERSEDAT4	20mA TTY	PER.4 or RS232
Options: NPN (20mA TTY Current Loop OR Serial RS232)											

\*\*\* See Technical Specifications



## PC Micro-Line Cubic 31x20x11mm

## Photoelectric

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGE	MATERIALS	TEMPERATURE	LED	LOAD	PARTS	SWITCH	CDROM	
<b>3 Wire 10-30VDC Red Visible Beam</b>			<b>Max Range</b>	<b>Housing</b>	<b>IP</b>	<b>Operating Temp.</b>	<b>LED</b>	<b>Load Current</b>	<b>Series</b>	<b>Frequency</b>	<b>Specs</b>
500mm Micro Background Suppression	2m cable	M8	500mm	PBT	IP67	-25--+55C	VisibleRed	<30mA	PBG500	1KHz	PC.1
Options: PNP/LO+DO, NPN/LO+DO											
900mm Micro Diffuse Proximity	2m cable	M8	900mm	PBT	IP67	-25--+55C	VisibleRed	<30mA	PDX900	1KHz	PC.2
Options: PNP/LO+DO, NPN/LO+DO											
5m Micro Polarized Retro Reflective	2m cable	M8	5m	PBT	IP67	-25--+55C	VisibleRed	<30mA	PPX05M	1KHz	PC.3
Options: PNP/LO+DO, NPN/LO+DO											
15m Micro Receiver	2m cable	M8	15m	PBT	IP67	-25--+55C	VisibleRed	<20mA	PRX15M	1KHz	PC.4
Options: PNP/LO+DO, NPN/LO+DO											
15m Micro Transmitter	2m cable	M8	15m	PBT	IP67	-25--+55C	VisibleRed	<15mA	PTX15M	1KHz	PC.5
Options: PNP/LO+DO, NPN/LO+DO											

## PM Mini-Line Cubic 60x43x20mm



## Photoelectric

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGE	MATERIALS	TEMPERATURE	LED	LOAD	PARTS	SWITCH	CDROM	
<b>2-5 Wire 10-30VDC Red LED Visible Beam</b>			<b>Max Range</b>	<b>Housing</b>	<b>IP</b>	<b>Operating Temp.</b>	<b>LED</b>	<b>Load Current</b>	<b>Series</b>	<b>Frequency</b>	<b>Specs</b>
All Options: PNP/LO+DO, NPN/LO+DO											
600mm Mini Background Suppression	2m cable	M12	600mm	PBT	IP67	-25--+55C	VisibleRed	<30mA	PBV600	1KHz	PM.1
310mm Mini Diffuse Proximity	2m cable	M8	310mm	PBT	IP67	-25--+55C	VisibleRed	<30mA	PDV310	1KHz	PM.2
9m Micro Polarized Retro Reflective	2m cable	M8	9m	PBT	IP67	-25--+55C	VisibleRed	<30mA	PPV09M	1KHz	PM.3
20m Micro Receiver	2m cable	M8	20m	PBT	IP67	-25--+55C	VisibleRed	<20mA	PRV20M	1KHz	PM.4
20m Micro Transmitter	2m cable	M8	20m	PBT	IP67	-25--+55C	VisibleRed	<15mA	PTV20M	1KHz	PM.5
<b>2-5 Wire UNIVERSAL 12-240VAC/DC RED Visible Beam</b>											
600mm Mini Background Suppression	2m cable	M12	600mm	PBT	IP67	-25--+55C	VisibleRed	<30mA	PTV600*	1KHz	PM.6
All Options: PNP/LO+DO, NPN/LO+DO OR RELAY											
310mm Mini Diffuse Proximity	2m cable	M8	310mm	PBT	IP67	-25--+55C	VisibleRed	<30mA	PDV310*	1KHz	PM.7
9m Micro Polarized Retro Reflective	2m cable	M8	9m	PBT	IP67	-25--+55C	VisibleRed	<30mA	PPV09M*	1KHz	PM.8
20m Micro Receiver	2m cable	M8	20m	PBT	IP67	-25--+55C	VisibleRed	<20mA	PRV20M*	1KHz	PM.9
20m Micro Transmitter	2m cable	M8	20m	PBT	IP67	-25--+55C	VisibleRed	<15mA	PTV20M*	1KHz	PM.11

## PS Main-Line Cubic 40x23x15mm



## Photoelectric

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGE	MATERIALS	TEMPERATURE	LED	LOAD	PARTS	SWITCH	CDROM	
<b>4 Wire 10-30VDC Infrared/Red</b>			<b>Max Range</b>	<b>Housing</b>	<b>IP</b>	<b>Operating Temp.</b>	<b>LED</b>	<b>Load Current</b>	<b>Series</b>	<b>Frequency</b>	<b>Specs</b>
All Options: NO, NC											
300mm Infrared Diffuse Proximity	2m cable	M12 M8	300mm	ABS	IP65	-25--+70C	Infrared	<300mA	PDX300	750Hz	PS.1
2.5m Visible Red Polarized Reflective	2m cable	M12 M8	2.5m	ABS	IP67	-25--+55C	VisibleRed	<300mA	PPX025	750Hz	PS.2
4m Visible Red Retro Reflective	2m cable	M12 M8	4m	ABS	IP67	-25--+55C	VisibleRed	<300mA	PRX004	750Hz	PS.3
8m Visible Red Receiver	2m cable	M12 M8	8m	ABS	IP67	-25--+55C	VisibleRed	<300mA	PRE08M	500Hz	PS.4
8m Visible Red Transmitter	2m cable	M12 M8	8m	ABS	IP67	-25--+55C	VisibleRed	<300mA	PTX08M	500Hz	PS.5

## P18 18mm Tough Stock Series



## Photoelectric

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGE	MATERIALS	TEMPERATURE	LED	LOAD	PARTS	SWITCH	CDROM	
<b>4 Wire 10-30VDC Programmable*</b>			<b>Max Range</b>	<b>Housing</b>	<b>IP</b>	<b>Operating Temp.</b>	<b>LED</b>	<b>Load Current</b>	<b>Series</b>	<b>Frequency</b>	<b>Specs</b>
50mm Background Suppression	2m cable	M12 M12(90)	50mm	Metal-NBT	IP67	-25--+70C	Infrared	<100mA	PBZ0509	80Hz	PS.1
Options: Programmable											
100mm Background Suppression	2m cable	M12 M12(90)	100mm	Metal-NBT	IP67	-25--+70C	Infrared	<100mA	PBZ1009	80Hz	PS.2
Options: Programmable											
100mm Diffuse Proximity	2m cable	M12 M12(90)	100mm	Metal-NBT	IP67	-25--+70C	Infrared	<100mA	PDX1009	80Hz	PS.3
Options: Programmable											
200mm Diffuse Proximity	2m cable	M12 M12(90)	200mm	Metal-NBT	IP67	-25--+70C	Infrared	<100mA	PDX2009	80Hz	PS.4
Options: Programmable											
400mm Diffuse Proximity	2m cable	M12 M12(90)	400mm	Metal-NBT	IP67	-25--+70C	Infrared	<100mA	PDX4009	80Hz	PS.5
Options: Programmable											
1000mm Diffuse Proximity	2m cable	M12 M12(90)	1000mm	Metal-NBT	IP67	-25--+70C	Infrared	<100mA	PDX01K9	80Hz	PS.6
Options: PNP/NO+NC, NPN/NO+NC*											
4m Retroreflective	2m cable	M12 M12(90)	4m	Metal-NBT	IP67	-25--+70C	Infrared	<100mA	PRX0049	80Hz	PS.7
Options: Programmable											
6m Retroreflective	2m cable	M12 M12(90)	6m	Metal-NBT	IP67	-25--+70C	Infrared	<100mA	PRX0069	80Hz	PS.8
Options: PNP/NO+NC, NPN/NO+NC*											
3m Polarized Retroreflective	2m cable	M12 M12(90)	3m	Metal-NBT	IP67	-25--+70C	Visible Red	<100mA	PPX0039	80Hz	PS.9
Options: Programmable											
16m Transmitter	2m cable	M12 M12(90)	16m	Metal-NBT	IP67	-25--+70C	Infrared	<100mA	PTX16M9	30Hz	PS.11
Options: Programmable											
16m Receiver	2m cable	M12 M12(90)	16m	Metal-NBT	IP67	-25--+70C	Infrared	<100mA	PRE16M9	30Hz	PS.12

## P12 12mm M12 Learn-Line w/Teach in

## Photoelectric

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGE	MATERIALS	TEMPERATURE	LED	LOAD	PARTS	SWITCH	CDROM	
<b>4 Wire 10-30VDC</b>			<b>Max Range</b>	<b>Housing</b>	<b>IP</b>	<b>Operating Temp.</b>	<b>Led</b>	<b>Load Current</b>	<b>Series</b>	<b>Frequency</b>	<b>Specs</b>
100mm Fixed Focal Diffuse Proximity	2m cable	M12	100mm	Metal-NBT	IP67	-25--+70C	Infrared	<100mA	PDZ1001	400Hz	PT.1
Options: PNP/LO+DO, NPN/LO+DO											
100mm Teach In Diffuse Proximity	2m cable	M12	100mm	Metal-NBT	IP67	-25--+70C	Infrared	<100mA	PDX1001	400Hz	PT.2
Options: PNP/LO+DO, NPN/LO+DO											
200mm Fixed Focal Diffuse Proximity	2m cable	M12	200mm	Metal-NBT	IP67	-25--+70C	Infrared	<100mA	PDZ2001	400Hz	PT.3
Options: PNP/LO+DO, NPN/LO+DO											
200mm Teach In Diffuse Proximity	2m cable	M12	200mm	Metal-NBT	IP67	-25--+70C	Infrared	<100mA	PDX2001	400Hz	PT.4
Options: PNP/LO+DO, NPN/LO+DO											
300mm Teach In Diffuse Proximity	2m cable	M12	300mm	Metal-NBT	IP67	-25--+70C	Infrared	<100mA	PDX3001	400Hz	PT.5
Options: PNP/LO+DO, NPN/LO+DO											
2m Teach In Polarized Retroreflective	2m cable	M12	2m	Metal-NBT	IP67	-25--+70C	Visible Red	<100mA	PPX0021	400Hz	PT.6
Options: PNP/LO+DO, NPN/LO+DO											
4m Teach In Transmitter	2m cable	M12	4m	Metal-NBT	IP67	-25--+70C	Infrared	<100mA	PTX0041	250Hz	PT.7
Options: PNP/LO+DO, NPN/LO+DO											
4m Fixed Focal Transmitter	2m cable	M12	4m	Metal-NBT	IP67	-25--+70C	Infrared	<100mA	PTZ0041	250Hz	PT.8
Options: PNP/LO+DO, NPN/LO+DO											
4m Teach In Receiver	2m cable	M12	4m	Metal-NBT	IP67	-25--+70C	Infrared	<100mA	PRE0041	250Hz	PT.9
Options: PNP/LO+DO, NPN/LO+DO											

## L18 18mm Laser-Line Harsh Duty

## Laser

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGE	MATERIALS	TEMPERATURE	LED	LOAD	PARTS	SWITCH	CDROM	
<b>4 Wire 10-30VDC</b>			<b>Max Range</b>	<b>Housing</b>	<b>IP</b>	<b>Operating Temp.</b>	<b>Led</b>	<b>Load Current</b>	<b>Series</b>	<b>Frequency</b>	<b>Specs</b>
300mm Diffuse Proximity Laser	2m cable	M12	300mm	Metal-NBT	IP67	-25--+55C	Class1 Laser	<100mA	PTL3009	800Hz	PL.1
Options: PNP/NO+NC, NPN/NO+NC											
20m Polarized Retroreflective Laser	2m cable	M12	20m	Metal-NBT	IP67	-25--+55C	Class1 Laser	<100mA	PPL0209	800Hz	PL.2
Options: PNP/NO+NC, NPN/NO+NC											
50m Transmitter Laser	2m cable	M12	50m	Metal-NBT	IP67	-25--+55C	Class1 Laser	<100mA	PLT0509	1KHz	PL.3
Options: PNP/NO+NC, NPN/NO+NC											
50m Receiver Laser	2m cable	M12	50m	Metal-NBT	IP67	-25--+55C	Class1 Laser	<100mA	PLR0509	1KHz	PL.4
Options: PNP/NO+NC, NPN/NO+NC											

## P18 18mm PAC-Line

## Photo Electric M18

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGE	MATERIALS	TEMPERATURE	LED	LOAD	PARTS	SWITCH	CDROM	
<b>3 Wire 20-253VAC</b>	All Options have NO, NC		<b>Max Range</b>	<b>Housing</b>	<b>IP</b>	<b>Operating Temp.</b>	<b>Led</b>	<b>Load Current</b>	<b>Series</b>	<b>Frequency</b>	<b>Specs</b>
50mm Background Suppression	2m cable	2m cable(90) M12 M12(90)	50mm	PBT	IP67	-25--+70C	Infrared	<5-300mA	PBZ0509PA	25Hz	PAC.1
100mm Background Suppression	2m cable	2m cable(90) M12 M12(90)	100mm	PBT	IP67	-25--+70C	Infrared	<5-300mA	PBZ1009PA	25Hz	PAC.2
100mm Diffuse Proximity	2m cable	2m cable(90) M12 M12(90)	100mm	PBT	IP67	-25--+70C	Infrared	<5-300mA	PDX1009PA	25Hz	PAC.3
200mm Diffuse Proximity	2m cable	2m cable(90) M12 M12(90)	200mm	PBT	IP67	-25--+70C	Infrared	<5-300mA	PDX2009PA	25Hz	PAC.4
400mm Diffuse Proximity	2m cable	2m cable(90) M12 M12(90)	400mm	PBT	IP67	-25--+70C	Infrared	<5-300mA	PDX4009PA	25Hz	PAC.5
4m Retroreflective	2m cable	2m cable(90) M12 M12(90)	4m	PBT	IP67	-25--+70C	Infrared	<5-300mA	PRX04M9PA	25Hz	PAC.6
3m Polarized Retroreflective	2m cable	2m cable(90) M12 M12(90)	3m	PBT	IP67	-25--+70C	Visible Red	<5-300mA	PPX03M9PA	25Hz	PAC.7
16m Transmitter	2m cable	2m cable(90) M12 M12(90)	16m	PBT	IP67	-25--+70C	Infrared	<5-300mA	PTX0169PA	25Hz	PAC.8
16m Receiver	2m cable	2m cable(90) M12 M12(90)	16m	PBT	IP67	-25--+70C	Infrared	<5-300mA	PRE0169PA	25Hz	PAC.9
32m Transmitter	2m cable	2m cable(90) M12 M12(90)	16m	PBT	IP67	-25--+70C	Infrared	<5-300mA	PTX0329PA	25Hz	PAC.11
32m Receiver	2m cable	2m cable(90) M12 M12(90)	16m	PBT	IP67	-25--+70C	Infrared	<5-300mA	PRE0329PA	25Hz	PAC.12

## P30 PTCH Long-Shot 100m Range Series-Harsh Duty

## Photoelectric

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGE	MATERIALS	TEMPERATURE	LED	LOAD	PARTS	SWITCH	CDROM	
<b>5 Wire 10-30VDC Harsh Duty Long Range</b>			<b>Max Range</b>	<b>Housing</b>	<b>IP</b>	<b>Operating Temp.</b>	<b>Led</b>	<b>Load Current</b>	<b>Series</b>	<b>Frequency</b>	<b>Specs</b>
100m Infrared Transmitter with Check		M12(90)	100m	Metal-NBT	IP67	-25--+70C	Infrared	<400mA	PTCH1009	500micro-sec	PTCH.1
Options: PNP/NO+NC, NPN/NO+NC											
100m Infrared Receiver with Alarm Output		M12(90)	100m	Metal-NBT	IP67	-25--+70C	Infrared	<400mA	PRE1009	500micro-sec	PTCH.2
Options: PNP/NO+NC, NPN/NO+NC											

For Fiber Optic Cables; Glass and Plastic please call us or consult our website.

For Accessories; brackets, holds, lenses, hardware and attachments please call us or consult our website.

# INPROX SENSORS CORPORATION

## Area Sensor Optics System

## Area Sensors

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGE	DETECTION	HOUSING	LED	LOAD	PARTS	SWITCH	CDROM	
<b>4 Wire 10-30VDC</b> 4 Optics 30mm Spacing	Miniaturized Area Transmitter	2m cable M12	Range 2m	Object Size 15-35mm	Housing Valox	IP IP67	Led Infrared	Load Current <100mA	Series ATX04	Freq.NO/NC 5ms/500us	Specs A04.1
Options: PNP+NPN/NO, PNP+NPN/NC											
4 Optics 30mm Spacing	Miniaturized Area Receiver	2m cable M12	2m	15-35mm	Valox	IP67	Infrared	<100mA	ARE04	5ms/500us	A04.2
Options: PNP+NPN/NO, PNP+NPN/NC											
10 Optics 10mm Spacing	Miniaturized Area Transmitter	2m cable M12	2m	5-15mm	Valox	IP67	Infrared	<100mA	ATX10	5ms/500us	A10.1
Options: PNP+NPN/NO, PNP+NPN/NC											
10 Optics 10mm Spacing	Miniaturized Area Receiver	2m cable M12	2m	5-15mm	Valox	IP67	Infrared	<100mA	ARE10	5ms/500us	A10.2
Options: PNP+NPN/NO, PNP+NPN/NC											
<b>4/5 Wire 10-30VDC</b> 12 Optics 6mm Spacing	Area Transmitter B1A or B1B	2m cable M12	2m	5-6mm	1Valox/PC 2Valox/Glass or 3Aluminum+Air	IP67	Infrared	<100mA	ATXB1	10ms	A12.1
Beam Options: Low A (no minimum distance) High B (300mm)											
Optics 6mm Spacing	Area Receiver B1A or B1B	2m cable M12	2m	5-6mm	1Valox 2Valox/Glass or 3Aluminum+Air	IP67	Infrared	<50mA	AREB1	10ms	A12.2
Options: PNP/NO+NC, NPN/NO+NC											
12 Optics 6mm Spacing	Area Transmitter B2A or B2B	2m cable M12	1.5m	5-6mm	1Valox 2Valox/Glass or 3Aluminum+Air	IP67	Infrared	<100mA	ATXB2	10ms	A12.3
Beam Options: Low A (no minimum distance) High B (300mm)											
12 Optics 6mm Spacing	Area Receiver B2A or B2B	2m cable M12	1.5m	5-6mm	1Valox 2Valox/Glass or 3Aluminum+Air	IP67	Infrared	<50mA	AREB2	10ms	A12.4
Options: PNP/NO+NC, NPN/NO+NC											
12 Optics 6mm Spacing	Area Transmitter B3A or B3B	2m cable M12	1m	5-6mm	1Valox 2Valox/Glass or 3Aluminum+Air	IP67	Infrared	<100mA	ATXB3	3ms	A12.5
Beam Options: Low A (no minimum distance) High B (300mm)											
12 Optics 6mm Spacing	Area Receiver B3A or B3B	2m cable M12	1m	5-6mm	1Valox 2Valox/Glass or 3Aluminum+Air	IP67	Infrared	<100mA	AREB3	3ms	A12.6
Options: PNP/NO+NC, NPN/NO+NC											
12 Optics 6mm Spacing	Area Transmitter B4A or B4B	2m cable M12	.6m	3-6mm	1Valox 2Valox/Glass or 3Aluminum+Air	IP67	Infrared	<100mA	ATXB4	2ms	A12.7
Beam Options: Low A (no minimum distance) High B (300mm)											
12 Optics 6mm Spacing	Area Receiver B4A or B4B	2m cable M12	.6m	3-6mm	1Valox 2Valox/Glass or 3Aluminum+Air	IP67	Infrared	<100mA	AREB4	2ms	A12.8
Options: PNP/NO+NC, NPN/NO+NC											
12 Optics 6mm Spacing	Area Transmitter B5A or B5B	2m cable M12	.25m	2mm	1Valox 2Valox/Glass or 3Aluminum+Air	IP67	Infrared	<100mA	ATXB5	2ms	A12.9
Beam Options: Low A (no minimum distance) High B (300mm)											
12 Optics 6mm Spacing	Area Receiver B5A or B5B	2m cable M12	.25m	2mm	1Valox 2Valox/Glass or 3Aluminum+Air	IP67	Infrared	<100mA	AREB5	2ms	A12.11
Options: PNP/NO+NC, NPN/NO+NC											
<b>Analog Versions</b> 12 Optics Area Transmitter	4-20mA Analog Output	2m cable M12	.25-2m	2-6mm	1Valox 2Valox/Glass or 3Aluminum+Air	IP67	Infrared	<100mA	ATXD1	2-10ms	A12.12
Options: (2)PNP/NO+NC & 4-20mA											
12 Optics Area Receiver	4-20mA Analog Output	2m cable M12	25-2m	2-6mm	1Valox 2Valox/Glass or 3Aluminum+Air	IP67	Infrared	<100mA	ARED1	2-10ms	A12.13
Options: (2)PNP/NO+NC & 4-20mA											
12 Optics Area Receiver	0-20mA Analog Output	2m cable M12	25-2m	2-6mm	1Valox 2Valox/Glass or 3Aluminum+Air	IP67	Infrared	<100mA	ATXD2	2-10ms	A12.14
Options: (2)PNP/NO+NC & 0-20mA											
12 Optics Area Transmitter	0-20mA Analog Output	2m Cable M12	25-2m	2-6mm	1Valox 2Valox/Glass or 3Aluminum+Air	IP67	Infrared	<100mA	ARED2	2-10ms	A12.15
Options: (2)PNP/NO+NC & 0-20mA											
Specialized Analog Postal/Mail Sorter	Transmitter	2m cable M12	200-500mm	1mm	1Valox 2Valox/Glass or 3Aluminum+Air	IP67	Infrared	<100mA	ATXD3	10ms	A12.16
Options: (2)PNP/NO+NC & 4-20mA											
Specialized Analog Postal/Mail Sorter	Receiver	2m cable M12	200-500mm	1mm	1Valox 2Valox/Glass or 3Aluminum+Air	IP67	Infrared	<100mA	ARED3	10ms	A12.17
Options: (2)PNP/NO+NC & 4-20mA											
Extended Range		2m cable M12	2.5m	6mm	1Valox 2Valox/Glass or 3Aluminum+Air	IP67	Infrared	<100mA	ATXEXT	10ms	A12.18
Options: (2)PNP/NO+NC & 4-20mA											

## Fiber Optic Micro-Controller with Teach In



## Fiber Optics

SENSOR SERIES	CABLE	CONNECTOR(S)	RANGE	HOUSING	LED	LOAD	PARTS	SWITCH	CDROM	
<b>4 Wire 10-30VDC</b> Fiber Optics Controller		2m cable M8	Max Range 20-200mm	Housing PBTP	IP IP64	Led Infrared	Load Current <25mA	Series PFX	Frequency 1.5KHz	Specs PFX.1
Options: PNP/NO+NC, NPN/NO+NC										
Fiber Optics Controller with Teach In	2m cable	M8	20-200mm	PBTP	IP64	Infrared	<25mA	PFY	1.5KHz	PFX.2
Options: PNP/NO+NC, NPN/NO+NC										

## Cables & Connectors



## Cables

SENSOR SERIES	CABLE	CONNECTOR(S)	MATERIAL	TEMP	CONDUCTORS	DIAMETER	PARTS	CDROM
<b>M8 CONNECTOR</b>			<b>Housing Material</b>	<b>Temperature</b>	<b>Conductors</b>	<b>Cable Diameter</b>	<b>Series</b>	<b>Specs</b>
M8 Standard*	3	2/5/7/10 meters	CEI 2022 II	-25--+80C	.34mm	5mm	IC08C302	IC8.1
M8 Preferred*	3	2/5/7/10 meters	PUR	-25--+80C	.25mm	5mm	IC08P302	IC8.2
M8 Standard*	4	2/5/7/10 meters	CEI 2022 II	-25--+80C	.34mm	5mm	IC08C402	IC8.3
M8 Preferred*	4	2/5/7/10 meters	PUR	-25--+80C	.25mm	5mm	IC08P402	IC8.4
<b>M12 CONNECTOR CABLE</b>								
M12 Standard*	4	2/5/7/10 meters	CEI 2022 II	-25--+80C	.34mm	5mm	IC12C402	IC12.1
M12 Preferred*	4	2/5/7/10 meters	PUR	-25--+80C	.25mm	5mm	IC12P402	IC12.2
M12 Standard*	4	2/5/7/10 meters	CEI 2022 II	-25--+80C	.25mm	5mm	IC12C4DL02	IC12.3
M12 Preferred*	4	2/5/7/10 meters	PUR	-25--+80C	.25mm	5mm	IC12P4DL02	IC12.4
M12 Standard 90**	5	2/5/7/10 meters	CEI 2022 II	-25--+80C	.25mm	5mm	IC12C4AL02	IC12.5
M12 Preferred 90**	5	2/5/7/10 meters	PUR	-25--+80C	.25mm	5mm	IC12P4AL02	IC12.6

\*Also available in a 90 degree connector  
 \*\*Available only in a 90 degree connector



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