
Inductive proximity sensors

XS range

Easy Series

Catalogue



Simply easy!™

Selection guide *pages 2 and 3*

Inductive proximity sensors, increased range

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Inductive proximity sensors, standard range

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Inductive proximity sensors

XS range

Basic

Cylindrical, metal

Increased range (1)

Flush mountable



Sensing distance Sn (mm)	2.5	4	8	15
Diameter	M8	M12	M18	M30
Power supply	--- 3-wire, 12...24 V			
Function	NO or NC			
Output	PNP or NPN			
Length (mm) for pre-cabled versions	42	49	53	57
Connection	Pre-cabled (L = 2 m) (2)	•	•	•
	M8 connector, 3-pin	•	–	–
	M12 connector, 4-pin	•	•	•
Operating temperature	-25...+70 °C			
Degree of protection	IP 65 and IP 67			
Type reference	XS108BH●●●	XS112BH●●●	XS118BH●●●	XS130BH●●●
Pages	5			

(1) Sensors with an increased range are sold individually or are available in bulk packs on request. Please contact our Customer Care Centre.
 (2) Available in lengths of 3, 5 and 7 m, depending on model. Please contact our Customer Care Centre.

Standard range

Flush mountable Non flush mountable



1.5	2	5	10	2.5	4	8	15
M8	M12	M18	M30	M8	M12	M18	M30
--- 3-wire, 12...24 V				--- 3-wire, 12...24 V			
NO or NC				NO or NC			
PNP or NPN				PNP or NPN			
42	44	53	57	42	44	53	57
•	•	•	•	•	•	•	•
•	–	–	–	•	–	–	–
•	•	•	•	•	•	•	•
-25...+70 °C				-25...+70 °C			
IP 65 and IP 67				IP 65 and IP 67			
XS108BL●●●	XS112BL●●●	XS118BL●●●	XS130BL●●●	XS208BL●●●	XS212BL●●●	XS218BL●●●	XS230BL●●●
8 and 9				8 and 9			

Inductive proximity sensors

XS range

Basic, cylindrical, increased range, flush mountable

Three-wire DC, solid-state output

XS range Basic increased range

Rugged, compact sensors
suitable for a variety of
applications



XS range Basic inductive proximity sensors are used to detect metal objects without physical contact.

They are flush mountable as standard and suitable for all metal environments since they ensure a maximum sensing distance, even if there is a metal background.

These sensors are rugged and compact making them suitable for a variety of applications, including:

- Material handling
- Mobile equipment
- Packing
- Machine tools
- Escalators

They are available with the following connections:

- Pre-cabled, with 2 or 5 m cable, depending on the model
- M8 or M12 connector, for easy installation and maintenance



Excellent resistance to electromagnetic interference

- > Sensors compliant with standard IEC 60947-5-2
- > Tested for use in very harsh environments, beyond standard requirements
- > Specifically, application tests conducted in an environment prone to interference, in the vicinity of variable speed drives or motors, demonstrated very good EMC immunity

3-wire technology with NO or NC, PNP or NPN output

Advantages of 3-wire technology

These sensors comprise 2 wires for the DC supply and a third wire for the output signal.

- > PNP output: switching on the positive voltage load
- > NPN output: switching on the negative voltage load
- > Protection against reverse polarity, overloads and short circuits
- > No residual current
- > Low voltage drop

Sold in lots

Depending on the model, XS range Basic sensors are sold:

- > Individually
- > In various bulk quantities for ease of unpacking and less waste (1)

(1) Please contact our Customer Care Centre.



 Cost-effective sensors with no compromise on quality

Inductive proximity sensors

XS range

Basic, cylindrical, increased range, flush mountable

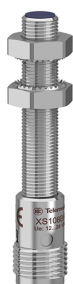
Three-wire DC, solid-state output



XS108BH●●L2



XS108BH●●M8



XS108BH●●M12



XS112BH●●L



XS112BH●●M12



XS118BH●●L



XS118BH●●M12



XS130BH●●L



XS130BH●●M12



XSZB1●●



XZCPV●●

Sensors, 3-wire $\bar{\bar{}}$ 12...24 V

Sensing distance (Sn) mm	Function	Output	Connection	Reference	Weight kg
Ø 8, threaded M8 x 1					
2.5	NO	PNP	Pre-cabled (L = 2 m)	XS108BHPAL2	0.070
			M8 connector	XS108BHPAM8	0.030
			M12 connector	XS108BHPAM12	0.050
	NPN	Pre-cabled (L = 2 m)	XS108BHNAL2	0.070	
		M8 connector	XS108BHNAM8	0.030	
		M12 connector	XS108BHNAM12	0.050	
N/C	PNP	Pre-cabled (L = 2 m)	XS108BHPBL2	0.070	
		M8 connector	XS108BHPBM8	0.030	
		M12 connector	XS108BHPBM12	0.050	
Ø 12, threaded M12 x 1					
4	NO	PNP	Pre-cabled (L = 2 m)	XS112BHPAL2	0.080
			Pre-cabled (L = 5 m)	XS112BHPAL5	0.150
			M12 connector	XS112BHPAM12	0.025
	NPN	Pre-cabled (L = 2 m)	XS112BHNAL2	0.080	
		M12 connector	XS112BHNAM12	0.025	
		M12 connector	XS112BHNAM12	0.025	
N/C	PNP	Pre-cabled (L = 2 m)	XS112BHPBL2	0.080	
		M12 connector	XS112BHPBM12	0.025	
		M12 connector	XS112BHPBM12	0.025	
NPN	Pre-cabled (L = 2 m)	XS112BHNBL2	0.080		
	M12 connector	XS112BHNBM12	0.025		
	M12 connector	XS112BHNBM12	0.025		
Ø 18, threaded M18 x 1					
8	NO	PNP	Pre-cabled (L = 2 m)	XS118BHPAL2	0.105
			Pre-cabled (L = 5 m)	XS118BHPAL5	0.175
			M12 connector	XS118BHPAM12	0.035
	NPN	Pre-cabled (L = 2 m)	XS118BHNAL2	0.105	
		Pre-cabled (L = 5 m)	XS118BHNAL5	0.175	
		M12 connector	XS118BHNAM12	0.035	
N/C	PNP	Pre-cabled (L = 2 m)	XS118BHPBL2	0.105	
		M12 connector	XS118BHPBM12	0.035	
		M12 connector	XS118BHPBM12	0.035	
NPN	Pre-cabled (L = 2 m)	XS118BHNBL2	0.105		
	M12 connector	XS118BHNBM12	0.035		
	M12 connector	XS118BHNBM12	0.035		
Ø 30, threaded M30 x 1.5					
15	NO	PNP	Pre-cabled (L = 2 m)	XS130BHPAL2	0.165
			Pre-cabled (L = 5 m)	XS130BHPAL5	0.235
			M12 connector	XS130BHPAM12	0.075
	NPN	Pre-cabled (L = 2 m)	XS130BHNAL2	0.165	
		M12 connector	XS130BHNAM12	0.075	
		M12 connector	XS130BHNAM12	0.075	
N/C	PNP	Pre-cabled (L = 2 m)	XS130BHPBL2	0.165	
		M12 connector	XS130BHPBM12	0.075	
		M12 connector	XS130BHPBM12	0.075	
NPN	Pre-cabled (L = 2 m)	XS130BHNBL2	0.165		
	M12 connector	XS130BHNBM12	0.075		
	M12 connector	XS130BHNBM12	0.075		

Fixing accessories

Description	For use with sensors	Reference	Weight kg
Fixing clamps	Ø 8	XSZB108	0.006
	Ø 12	XSZB112	0.006
	Ø 18	XSZB118	0.010
	Ø 30	XSZB130	0.020

Connection accessories (1)

Description	Cable length m	Reference	Weight kg
Pre-wired, straight, female connectors M12 connectors	5	XZCPV1141L5	0.210
	10	XZCPV1141L10	0.390
Pre-wired, straight, female connectors M8 connectors	5	XZCPV0566L5	0.210
	10	XZCPV0566L10	0.390

(1) For other connection accessories, visit our website: www.tesensors.com

Inductive proximity sensors

XS range

Basic, cylindrical, increased range, flush mountable

Three-wire DC, solid-state output

Characteristics

Sensor type		XS1●●BHP●L● XS1●●BHN●L●	XS1●●BHP●M● XS1●●BHN●M●
Product certifications		UL, CSA, CE	
Connection	Pre-cabled	Cable length: 2 or 5 m, depending on model	–
	Connector	–	M8 or M12 connector, depending on model
Operating zone (1)	Ø 8	mm	0...2
	Ø 12	mm	0...3.2
	Ø 18	mm	0...6.4
	Ø 30	mm	0...12
Differential travel		%	1...15 of effective sensing distance (Sr)
Degree of protection		Conforming to IEC 60529	IP 65 and IP 67
Storage temperature		°C	-40...+85
Operating temperature		°C	-25...+70
Materials	Case	Nickel plated brass	
	Cable	PVC (number and c.s.a. of wires: 3 x 0.14 mm ²)	
Vibration resistance		Conforming to IEC 60068-2-6	25 gn, amplitude ± 2 mm (f = 10 to 55 Hz)
Shock resistance		Conforming to IEC 60068-2-27	50 gn, duration 11 ms
Output state indication		Yellow LED, on rear	Yellow LED, 2 viewing ports at 180°
Rated supply voltage		V	12...24 with protection against reverse polarity
Voltage limits (including ripple)		V	10...36
Switching capacity		mA	≤ 200 with overload and short-circuit protection
Voltage drop, closed state		V	≤ 2
Current consumption, no-load		mA	≤ 10
Maximum switching frequency	Ø 8	Hz	2500
	Ø 12	Hz	950
	Ø 18	Hz	700
	Ø 30	Hz	200
Delays	First-up	ms	≤ 15
	Response	ms	≤ 0.3
	Recovery	ms	≤ 0.3

Connections

Connector	Pre-cabled	PNP	NPN
M8	BU: Blue BN: Brown BK: Black		
M12			

For M8 connectors, NO and NC outputs on terminal 4

Setting-up precautions

Minimum mounting distances (mm)



Sensors		Side by side	Face to face	Facing a metal object	Mounted in a metal support
Ø 8	XS108BH	e ≥ 5	e ≥ 30	e ≥ 8	–
Ø 12	XS112BH	e ≥ 8	e ≥ 50	e ≥ 12	–
Ø 18	XS118BH	e ≥ 16	e ≥ 100	e ≥ 25	–
Ø 30	XS130BH	e ≥ 30	e ≥ 180	e ≥ 30	h ≥ 2

(1) See detection curves on next page.

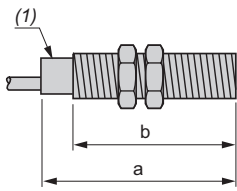
Inductive proximity sensors

XS range

Basic, cylindrical, increased range, flush mountable

Three-wire DC, solid-state output

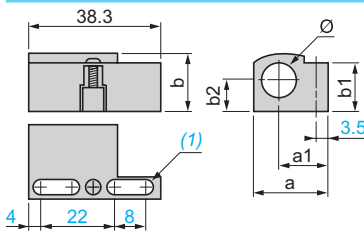
Sensor dimensions XS1●●BH●●



		Pre-cabled (mm)		M8 connector (mm)		M12 connector (mm)	
		a	b	a	b	a	b
Ø 8	XS108BH●●	42	33	51	34	61	40
Ø 12	XS112BH●●	49	36	–	–	61	39
Ø 18	XS118BH●●	53	41	–	–	64	43
Ø 30	XS130BH●●	57	44	–	–	68	47

(1) LED

Fixing clamp dimensions XSZB108, XSZBB112, XSZBB118 and XSZBB130

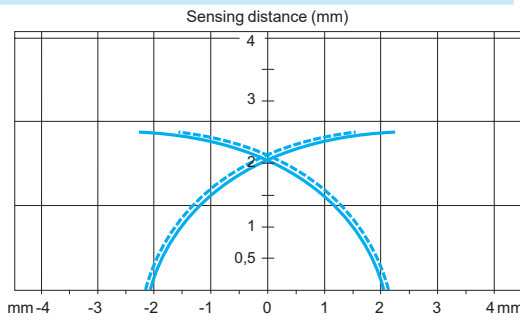


		a	a1	b	b1	b2	Ø
Ø 8	XSZB108	19.9	14.5	14	12.5	7.5	8
Ø 12	XSZB112	21.9	14.5	16	15.5	8.5	12
Ø 18	XSZB118	26	15.7	22.3	20.1	11.5	18
Ø 30	XSZB130	39	21.7	35.5	31	18.5	30

(1) 2 elongated holes Ø 4 x 8 mm

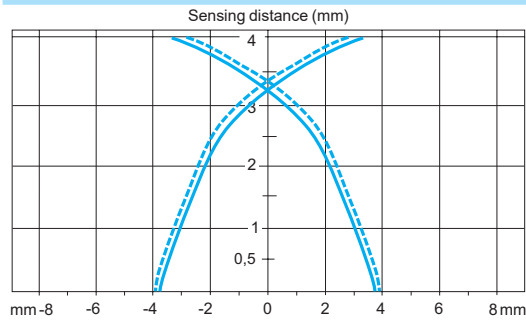
Detection curves

Sensors Ø 8



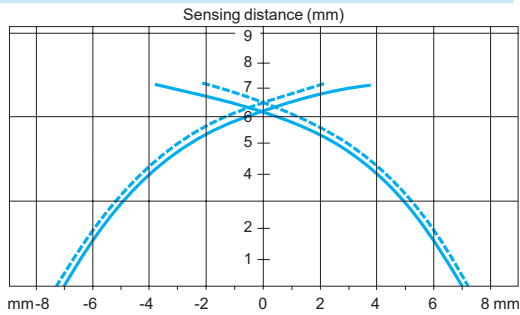
Standard metal target (mm): 8 x 8 x 1
Operating zone (mm): 0...2

Sensors Ø 12



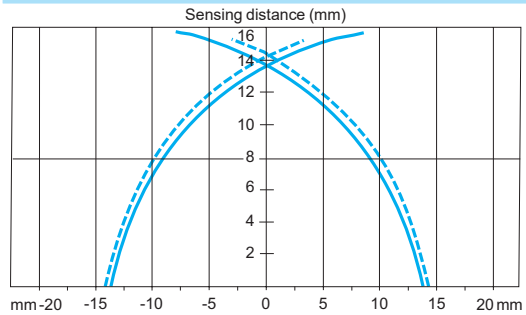
Standard metal target (mm): 12 x 12 x 1
Operating zone (mm): 0...3.2

Sensors Ø 18



Standard metal target (mm): 24 x 24 x 1
Operating zone (mm): 0...6.4

Sensors Ø 30



Standard metal target (mm): 45 x 45 x 1
Operating zone (mm): 0...12

— pick-up points
- - - drop-out points (object approaching from the side)

Inductive proximity sensors

XS range, general purpose

Basic, cylindrical, metal, flush and non flush mountable

Three-wire DC, solid-state output



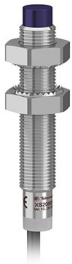
XS108BL●●L●



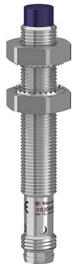
XS108BL●●M8



XS108BL●●M12



XS208BL●●L●



XS208BL●●M8



XS208BL●●M12



XS112BL●●L●



XS112BL●●M12



XS212BL●●L●



XS212BL●●M12

References

Sensing distance (Sn)	Function	Output	Connection	Reference	Weight
mm					kg
Ø 8, threaded M8 x 1					
Three-wire 12-24 V, flush mountable					
1.5	NO	PNP	Pre-cabled (L = 2 m)	XS108BLPAL2	0.035
			Pre-cabled (L = 5 m)	XS108BLPAL5	0.105
			M8 connector	XS108BLPAM8	0.008
	NPN	PNP	M12 connector	XS108BLPAM12	0.015
			Pre-cabled (L = 2 m)	XS108BLNAL2	0.035
			M12 connector	XS108BLNAM12	0.015
Three-wire 12-24 V, non flush mountable					
2.5	NO	PNP	Pre-cabled (L = 2 m)	XS208BLPAL2	0.035
			Pre-cabled (L = 5 m)	XS208BLPAL5	0.105
			M8 connector	XS208BLPAM8	0.008
	NPN	PNP	M12 connector	XS208BLPAM12	0.015
			Pre-cabled (L = 2 m)	XS208BLNAL2	0.035
			M12 connector	XS208BLNAM12	0.015
Ø 12, threaded M12 x 1					
Three-wire 12-24 V, flush mountable					
2	NO	PNP	Pre-cabled (L = 2 m)	XS112BLPAL2	0.070
			Pre-cabled (L = 3 m)	XS112BLPAL3	0.095
			Pre-cabled (L = 5 m)	XS112BLPAL5	0.140
	NPN	PNP	M12 connector	XS112BLPAM12	0.015
			Pre-cabled (L = 2 m)	XS112BLNAL2	0.070
			M12 connector	XS112BLNAM12	0.015
NC	PNP	Pre-cabled (L = 2 m)	XS112BLPBL2	0.070	
		M12 connector	XS112BLPBM12	0.015	
		M12 connector	XS112BLPBM12	0.015	
Three-wire 12-24 V, non flush mountable					
4	NO	PNP	Pre-cabled (L = 2 m)	XS212BLPAL2	0.070
			Pre-cabled (L = 5 m)	XS212BLPAL5	0.140
			M12 connector	XS212BLPAM12	0.015
	NPN	PNP	Pre-cabled (L = 2 m)	XS212BLNAL2	0.070
			Pre-cabled (L = 7 m)	XS212BLNAL7	0.185
			M12 connector	XS212BLNAM12	0.015
	NC	PNP	Pre-cabled (L = 2 m)	XS212BLPBL2	0.070
			Pre-cabled (L = 5 m)	XS212BLPBL5	0.140
			M12 connector	XS212BLPBM12	0.015
NPN	PNP	Pre-cabled (L = 2 m)	XS212BLNBL2	0.070	
		Pre-cabled (L = 5 m)	XS212BLNBL5	0.140	
		M12 connector	XS212BLNBM12	0.015	

Inductive proximity sensors

XS range, general purpose

Basic, cylindrical, metal, flush and non flush mountable

Three-wire DC, solid-state output



XS118BL●●L●



XS118BL●●M12



XS218BL●●L●



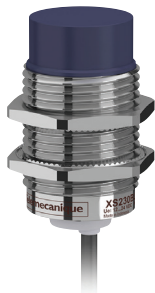
XS218BL●●M12



XS130BL●●L●



XS130BL●●M12



XS230BL●●L●



XS230BL●●M12

References (continued)

Sensing distance (Sn)	Function	Output	Connection	Reference	Masse
mm					kg
Ø 18, threaded M18 x 1					
Three-wire 12-24 V, flush mountable					
5	NO	PNP	Pre-cabled (L = 2 m)	XS118BLPAL2	0.105
			Pre-cabled (L = 5 m)	XS118BLPAL5	0.175
			M12 connector	XS118BLPAM12	0.035
	NPN	Pre-cabled (L = 2 m)	XS118BLNAL2	0.105	
		Pre-cabled (L = 5 m)	XS118BLNAL5	0.175	
		M12 connector	XS118BLNAM12	0.035	
NC	PNP	Pre-cabled (L = 2 m)	XS118BLPBL2	0.105	
		M12 connector	XS118BLPBM12	0.035	

Three-wire 12-24 V, non flush mountable						
8	NO	PNP	Pre-cabled (L = 2 m)	XS218BLPAL2	0.105	
			Pre-cabled (L = 5 m)	XS218BLPAL5	0.175	
			M12 connector	XS218BLPAM12	0.035	
			NPN	Pre-cabled (L = 2 m)	XS218BLNAL2	0.105
				Pre-cabled (L = 5 m)	XS218BLNAL5	0.175
				Pre-cabled (L = 7 m)	XS218BLNAL7	0.220
	NC	PNP	M12 connector	XS218BLNAM12	0.035	
			Pre-cabled (L = 2 m)	XS218BLPBL2	0.105	
			NPN	Pre-cabled (L = 2 m)	XS218BLNBL2	0.105

Ø 30, threaded M30 x 1.5						
Three-wire 12-24 V, flush mountable						
10	NO	PNP	Pre-cabled (L = 2 m)	XS130BLPAL2	0.165	
			M12 connector	XS130BLPAM12	0.075	
			NPN	Pre-cabled (L = 2 m)	XS130BLNAL2	0.165
				Pre-cabled (L = 3 m)	XS130BLNAL3	0.190
	NC	PNP	M12 connector	XS130BLNAM12	0.075	
			Pre-cabled (L = 2 m)	XS130BLPBL2	0.165	
			M12 connector		XS130BLPBM12	0.075

Three-wire 12-24 V, non flush mountable						
15	NO	PNP	Pre-cabled (L = 2 m)	XS230BLPAL2	0.155	
			Pre-cabled (L = 5 m)	XS230BLPAL5	0.225	
			M12 connector	XS230BLPAM12	0.085	
			NPN	Pre-cabled (L = 2 m)	XS230BLNAL2	0.155
				Pre-cabled (L = 7 m)	XS230BLNAL7	0.225
				M12 connector	XS230BLNAM12	0.085
	NC	PNP	Pre-cabled (L = 2 m)		XS230BLPBL2	0.155

Inductive proximity sensors

XS range, general purpose

Basic, cylindrical, metal, flush and non flush mountable

Three-wire DC, solid-state output

Accessories



XSZB1●●



XZCPV1141L●

Fixing accessories (1)

Description	For use with sensors	Reference	Weight kg
Fixing clamps	Ø 8	XSZB108	0.006
	Ø 12	XSZB112	0.006
	Ø 18	XSZB118	0.010
	Ø 30	XSZB130	0.020

Cabling accessories (2)

Description	Length of cable	Reference	Weight kg
Pre-wired, straight, female connectors M12 connectors, 4 pins PVC cable	5	XZCPV1141L5	0.210
	10	XZCPV1141L10	0.390
Pre-wired, straight, female connectors M8 connectors, 3 pins PVC cable	5	XZCPV0566L5	0.210
	10	XZCPV0566L10	0.390

(1) See dimensions on page 7.

(2) For other connection accessories, visit our website: www.tesensors.com

Inductive proximity sensors

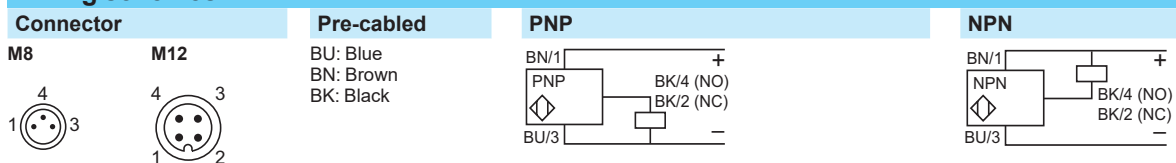
XS range, general purpose

Basic, cylindrical, metal, flush and non flush mountable

Three-wire DC, solid-state output

Characteristics			XS1●●BLP●L● XS1●●BLN●L●	XS1●●BLP●M● XS1●●BLN●M●	XS2●●BLP●L XS2●●BLN●L	XS2●●BLP●M● XS2●●BLN●M●
Sensor type			UL, CSA, CE			
Product certifications	Pre-cabled		Length 2, 3 or 5 m, depending on model		Length 2, 5 or 7 m, depending on model	
	Connector		M8 on Ø 8 M12 on Ø 8, Ø 12, Ø 18 and Ø 30		M8 on Ø 8 M12 on Ø 8, Ø 12, Ø 18 and Ø 30	
Operating zone (1)	Ø 8	mm	0...1.2		0...2	
	Ø 12	mm	0...1.6		0...3.2	
	Ø 18	mm	0...4		0...6.4	
	Ø 30	mm	0...8		0...12	
Differential travel		%	1...15 of effective sensing distance (Sr)			
Degree of protection		Conforming to IEC 60529	IP 65 and IP 67			
Storage temperature		°C	- 40...+ 85			
Operating temperature		°C	- 25...+ 70			
Materials	Case		Nickel plated brass			
	Cable		PVC 3 x 0.14 mm ² except Ø 8: 3 x 0.11 mm ²	-		PVC 3 x 0.14 mm ² except Ø 8: 3 x 0.11 mm ²
Vibration resistance		Conforming to IEC 60068-2-6	25 gn, amplitude ± 2 mm (f = 10 to 55 Hz)			
Shock resistance		Conforming to IEC 60068-2-27	50 gn, duration 11 ms			
Output state indication			Yellow LED, on rear	Yellow LED: 2 viewing ports at 180°	Yellow LED, on rear	Yellow LED: 2 viewing ports at 180°
Rated supply voltage			V --- 12...24 with protection against reverse polarity			
Voltage limits (including ripple)			V --- 10...36			
Switching capacity			mA ≤ 200 with overload and short-circuit protection			
Voltage drop, closed state			V ≤ 2			
Current consumption, no-load			mA ≤ 10			
Residual current, open state			mA -			
Maximum switching frequency	Ø 8	Hz	2500		2500	
	Ø 12	Hz	2500		1200	
	Ø 18	Hz	1200		500	
	Ø 30	Hz	500		300	
Delays	First-up		ms ≤ 15		≤ 15	
	Response	Ø 8	ms ≤ 0.3		≤ 0.3	
		Ø 12	ms ≤ 0.1		≤ 0.1	
		Ø 18	ms ≤ 0.1		≤ 0.1	
		Ø 30	ms ≤ 0.1		≤ 0.2	
	Recovery	Ø 8	ms ≤ 0.3		≤ 0.3	
		Ø 12	ms ≤ 0.15		≤ 0.4	
		Ø 18	ms ≤ 0.3		≤ 1	
Ø 30		ms ≤ 1		≤ 1.4		

Wiring schemes



For M8 connectors, NO and NC outputs on terminal 4

(1) Detection curves, see page 13.

Inductive proximity sensors

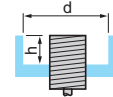
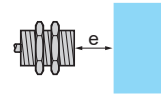
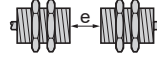
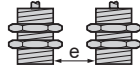
XS range, general purpose

Basic, cylindrical, metal, flush and non flush mountable

Three-wire DC, solid-state output

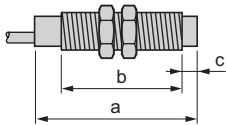
Setting-up

Minimum mounting distances (mm)



Sensors		Side by side	Face to face	Facing a metal object	Mounted in a metal support
Ø 8 flush mountable	XS108BL	$e \geq 3$	$e \geq 18$	$e \geq 4,5$	$d \geq 8$ $h \geq 0$
Ø 8 non flush mountable	XS208BL	$e \geq 10$	$e \geq 30$	$e \geq 7,5$	$d \geq 24$ $h \geq 5$
Ø 12 flush mountable	XS112BL	$e \geq 4$	$e \geq 24$	$e \geq 6$	$d \geq 12$ $h \geq 0$
Ø 12 non flush mountable	XS212BL	$e \geq 16$	$e \geq 48$	$e \geq 12$	$d \geq 36$ $h \geq 8$
Ø 18 flush mountable	XS118BL	$e \geq 10$	$e \geq 60$	$e \geq 15$	$d \geq 18$ $h \geq 0$
Ø 18 non flush mountable	XS218BL	$e \geq 16$	$e \geq 96$	$e \geq 24$	$d \geq 54$ $h \geq 16$
Ø 30 flush mountable	XS130BL	$e \geq 20$	$e \geq 120$	$e \geq 30$	$d \geq 30$ $h \geq 0$
Ø 30 non flush mountable	XS230BL	$e \geq 60$	$e \geq 180$	$e \geq 45$	$d \geq 90$ $h \geq 30$

Dimensions



Flush mountable in metal

Sensors		Pre-cabled (mm)		M8 connector (mm)		M12 connector (mm)	
		a	b	a	b	a	b
Ø 8	XS108BL	42	33	50	34	61	40
Ø 12	XS112BL	44	31	–	–	55	34
Ø 18	XS118BL	53	41	–	–	64	43
Ø 30	XS130BL	57	44	–	–	68	47

Non flush mountable in metal

Sensors		Pre-cabled (mm)			M8 connector (mm)			M12 connector (mm)		
		a	b	c	a	b	c	a	b	c
Ø 8	XS208BL	42	29	4	50	32	4	61	36	4
Ø 12	XS212BL	44	26	5	–	–	–	55	29	5
Ø 18	XS218BL	53	33	8	–	–	–	64	35	8
Ø 30	XS230BL	57	32	13	–	–	–	68	34	13

Inductive proximity sensors

XS range, general purpose

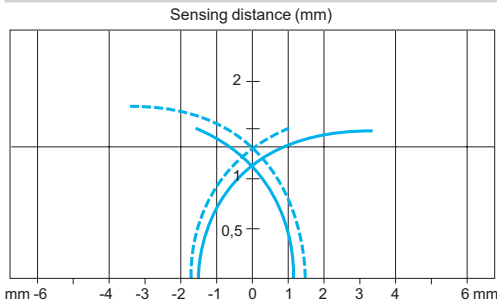
Basic, cylindrical, metal, flush and non flush mountable

Three-wire DC, solid-state output

Detection curves

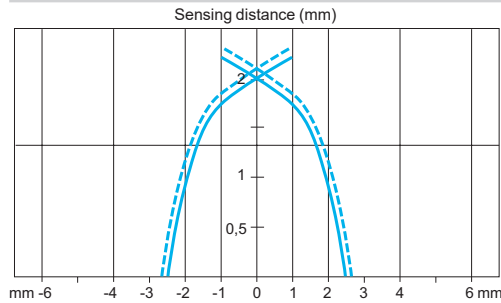
Ø 8 sensors

Flush mountable in metal



Standard steel target (mm): 8 x 8 x 1
Operating zone (mm): 0...1.2

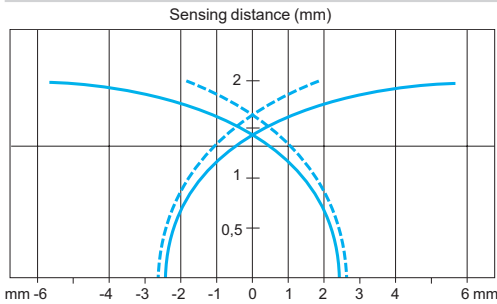
Non flush mountable in metal



Standard steel target (mm): 8 x 8 x 1
Operating zone (mm): 0...2

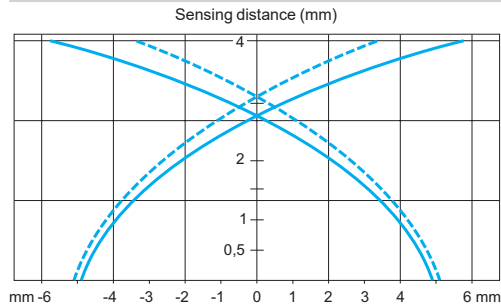
Ø 12 sensors

Flush mountable in metal



Standard steel target (mm): 12 x 12 x 1
Operating zone (mm): 0...1.6

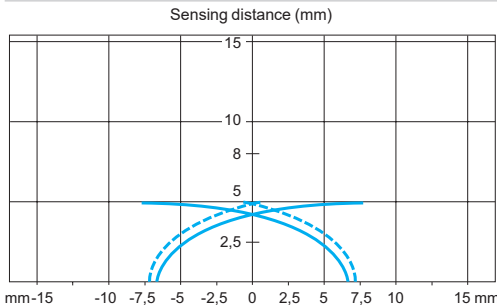
Non flush mountable in metal



Standard steel target (mm): 12 x 12 x 1
Operating zone (mm): 0...3.2

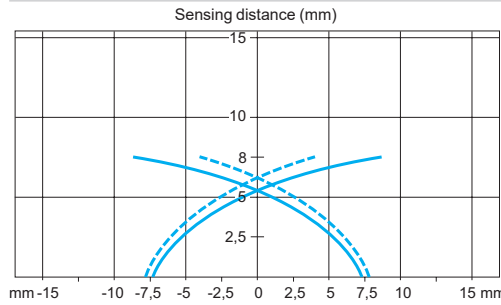
Ø 18 sensors

Flush mountable in metal



Standard steel target (mm): 18 x 18 x 1
Operating zone (mm): 0...4

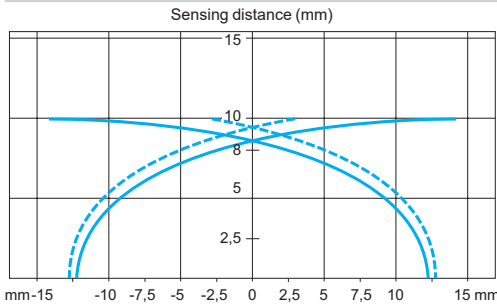
Non flush mountable in metal



Standard steel target (mm): 24 x 24 x 1
Operating zone (mm): 0...6.4

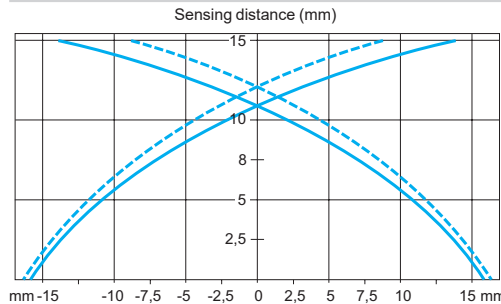
Ø 30 sensors

Flush mountable in metal



Standard steel target (mm): 30 x 30 x 1
Operating zone (mm): 0...8

Non flush mountable in metal



Standard steel target (mm): 45 x 45 x 1
Operating zone (mm): 0...12

— pick-up points
- - - drop-out points (object approaching from the side)

X	
XS108BHNAL2	5
XS108BHNAME8	5
XS108BHPAL2	5
XS108BHPAM8	5
XS108BHPAM12	5
XS108BHPBL2	5
XS108BHPBM8	5
XS108BHPBM12	5
XS108BLNAL2	8
XS108BLNAM12	8
XS108BLPAL2	8
XS108BLPAL5	8
XS108BLPAM8	8
XS108BLPAM12	8
XS112BHNAL2	5
XS112BHNAME12	5
XS112BHNBL2	5
XS112BHNBM12	5
XS112BHPAL2	5
XS112BHPAL5	5
XS112BHPAM12	5
XS112BHPBL2	5
XS112BHPBM12	5
XS112BLNAL2	8
XS112BLNAM12	8
XS112BLPAL2	8
XS112BLPAL3	8
XS112BLPAL5	8
XS112BLPAM12	8
XS112BLPBL2	8
XS112BLPBM12	8
XS118BHNAL2	5
XS118BHNAL5	5
XS118BHNAME12	5
XS118BHNBL2	5
XS118BHNBM12	5
XS118BHPAL2	5
XS118BHPAL5	5
XS118BHPAM12	5
XS118BHPBL2	5
XS118BHPBM12	5
XS118BLNAL2	9
XS118BLNAL5	9
XS118BLNAME12	9
XS118BLPAL2	9
XS118BLPAL5	9
XS118BLPAM12	9
XS118BLPBL2	9
XS118BLPBM12	9
XS130BHNAL2	5
XS130BHNAME12	5
XS130BHNBL2	5
XS130BHNBM12	5
XS130BHPAL2	5
XS130BHPAL5	5
XS130BHPAM12	5
XS130BHPBL2	5
XS130BHPBM12	5
XS130BLNAL2	9
XS130BLNAL3	9
XS130BLNAME12	9
XS130BLPAL2	9
XS130BLPAM12	9
XS130BLPBL2	9
XS130BLPBM12	9
XS130BLNAM12	9
XS130BLPAL2	9
XS130BLPAM12	9
XS130BLPBL2	9
XS130BLPBM12	9
XS208BLNAL2	8
XS208BLPAL2	8
XS208BLPAL5	8
XS208BLPAM8	8
XS208BLPAM12	8
XS212BLNAL2	8
XS212BLNAL7	8
XS212BLNAME12	8
XS212BLNBL2	8
XS212BLPAL2	8
XS212BLPAL5	8
XS212BLPAM12	8
XS212BLPBL2	8
XS212BLPBL5	8
XS218BLNAL2	9
XS218BLNAL5	9
XS218BLNAL7	9
XS218BLNAME12	9
XS218BLNBL2	9
XS218BLPAL2	9
XS218BLPAL5	9
XS218BLPAM12	9
XS218BLPBL2	9
XS230BLNAL2	9
XS230BLNAL7	9
XS230BLNAME12	9
XS230BLPAL2	9
XS230BLPAL5	9
XS230BLPAM12	9
XS230BLPBL2	9
XSZB108	5 10
XSZB112	5 10
XSZB118	5 10
XSZB130	5 10
XZCPV0566L5	5 10
XZCPV0566L10	5 10
XZCPV1141L5	5 10
XZCPV1141L10	5 10

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