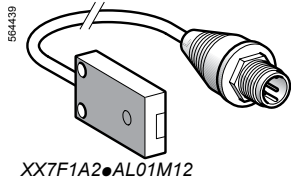


Ultrasonic sensors

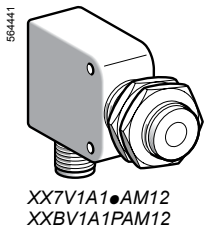
OsiSense XX, General purpose

Flat format, plastic

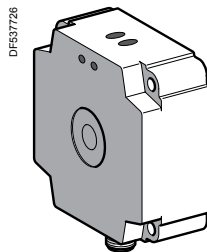
DC supply, solid-state output



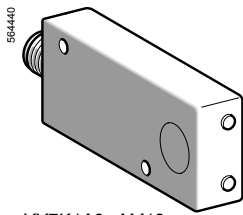
XX7F1A2●AL01M12



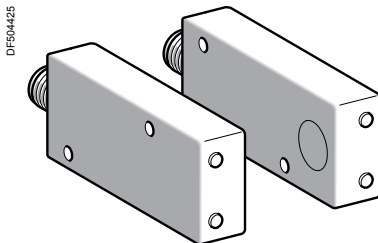
XX7V1A1●AM12
XXBV1A1PAM12



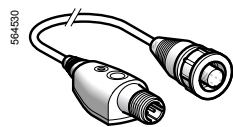
XX8D1A1●AM12
XXBD1A1PAM12



XX7K1A2●AM12



XX7K1A2●AM12 + XX7K1A2●AM12 (thru-beam system)



XXZPB100

Diffuse system

Fixed sensing distance sensors

Sensors	Sensing distance (Sn)	Function/output	Connection	Reference	Weight
mm	m				kg
7.6 x 19 x 33	0.10	NO/NPN	152 mm flying lead + M12 connector	XX7F1A2NAL01M12	0.040
		NO/PNP	152 mm flying lead + M12 connector	XX7F1A2PAL01M12	0.040
16 x 30 x 74	0.25	NO/NPN	M12 connector	XX7K1A2NAM12	0.050
		NO/PNP	M12 connector	XX7K1A2PAM12	0.050

Adjustable sensing distance sensors

Sensors	Sensing distance (Sn)	Function/output	Connection	Reference	Weight
mm	m				kg
18 x 33 x 60 + Ø 18	0.50 (adjustable)	NO/NPN	M12 connector	XX7V1A1NAM12	0.060
		NO/PNP	M12 connector	XX7V1A1PAM12	0.060
80 x 80 x 34	1 (adjustable)	NO/NPN	M12 connector	XX8D1A1NAM12	0.300
		NO/PNP	M12 connector	XX8D1A1PAM12	0.300

Reflex system

Adjustable sensing distance sensors

Sensors	Sensing distance (Sn)	Function/output	Connection	Reference	Weight
mm	m				kg
18 x 33 x 60 + Ø 18	0.50 (adjustable)	NO/PNP	M12 connector	XXBV1A1PAM12	0.060
80 x 80 x 34	1 (adjustable)	NO/PNP	M12 connector	XXBD1A1PAM12	0.300

Thru-beam system

Sensors	Sensing distance (Sn)	Function/output	Connection	Reference	Weight
mm	m				kg
7.6 x 19 x 33					
Transmitter	0.20		152 mm flying lead + M12 connector	XXTF1A8M12L	0.030
Receiver	0.20	NO/PNP + NO/NPN	152 mm flying lead + M12 connector	XXRF1A8KAM12L	0.030
		NC/PNP + NC/NPN	152 mm flying lead + M12 connector	XXRF1A8KBM12L	0.030
16 x 30 x 74					
Transmitter	0.61		M12 connector	XXTK1A3M12	0.060
Receiver	0.61	NO/PNP + NO/NPN	M12 connector	XXRK1A3KAM12	0.060
		NC/PNP + NC/NPN	M12 connector	XXRK1A3KBM12	0.060
Transmitter	1		M12 connector	XXTK1A4M12	0.060
Receiver	1	NO/PNP + NO/NPN	M12 connector	XXRK1A4KAM12	0.060
		NC/PNP + NC/NPN	M12 connector	XXRK1A4KBM12	0.060

Accessories

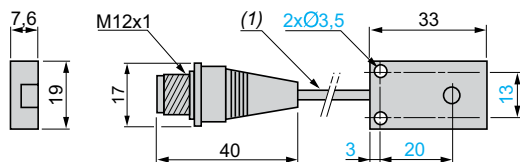
Description	For use with sensor	Reference	Weight kg
Teach pushbutton Selection of detection window Length of cable: 152 mm Input: M12 female connector Output: M12 male connector	XX7V1A1●AM12, XX8D1A1●AM12, XXBV1A1●AM12 and XXBD1A1●AM12	XXZPB100	0.035

Other connection and fixing accessories

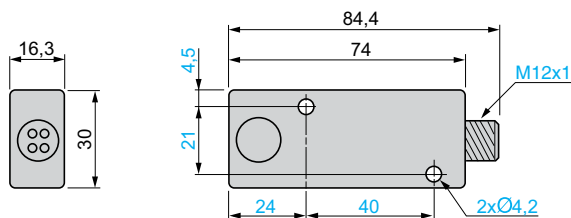
See page 24.

Dimensions

XX7F1A2●AL01M12
XXTF1A8●/XXR F1A8●

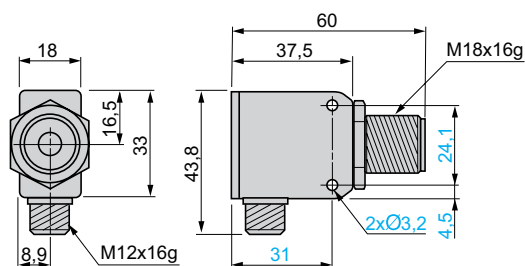


XX7K1A2●AM12
XXTK1A3●/A4●, XXRK1A3●/A4●

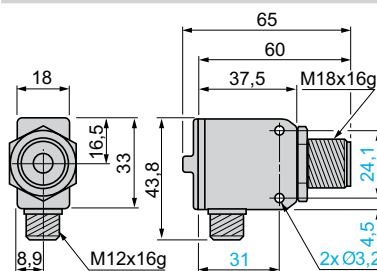


(1) Cable, length: 152 mm.

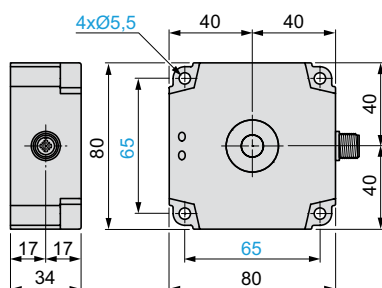
XX7V1A1●AM12
XXBV1A1●AM12



XX9V1A1●M12

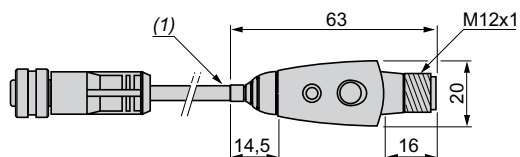


XX8D1A1●AM12
XXBD1A1●AM12
XX9D1A1●AM12



XXZPB100

Teach pushbutton



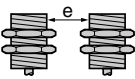
(1) Cable, length: 152 mm.

Setting-up precautions

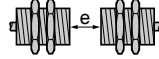
Minimum mounting distances

Diffuse sensors, cylindrical type

Side by side



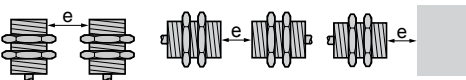
Face to face



e: respect the distances indicated on the detection curves

$$e \geq 4 \times S_n$$

XXV18●



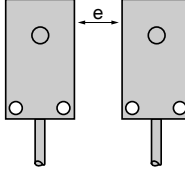
e > 25 mm

e > 700 mm

e > 60 mm

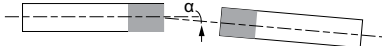
Diffuse sensors, flat format

Side by side



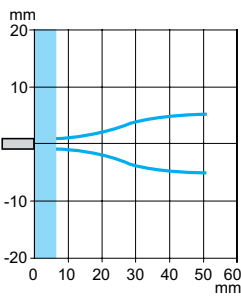
e: respect the distances indicated on the detection curves

Thru-beam sensors

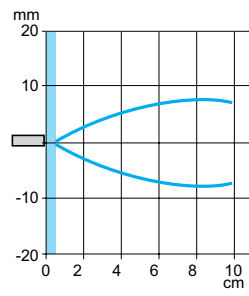


Sensors	α
XX●12●●/XX●F1●●	±5°
XX●18A3●●/XX●K1A3●●●	±8°
XX●18A4●●/XX●K1A4	±10°
XX●18A2●●/XX●K1A2	

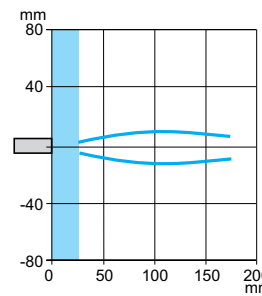
XX512A1KAM8



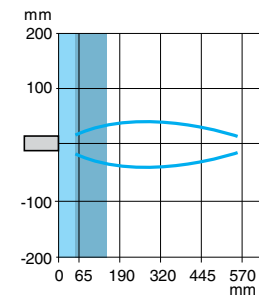
XX512A2●NAM8



XX518A1KAM12

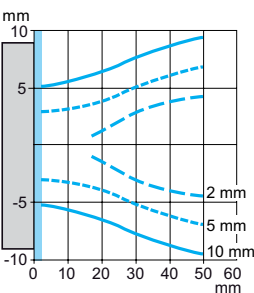


XX218A3●●M12, XX518A3●●L2, XXB18A3●AM12, XX518A3●AM12, XX7V1A1●AM12, XXBV1A1●AM12, XX918A3●M12, XX9V3A1●M12

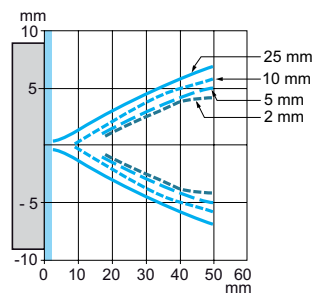


XXV18B1●

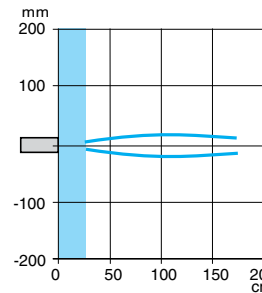
Square object



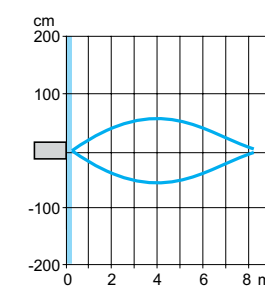
Cylindrical object



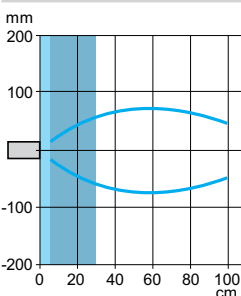
XX630A2●CM12



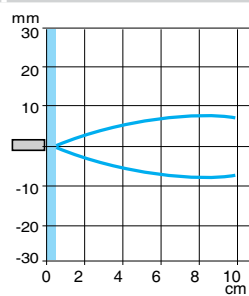
XX630A3●CM12 XX930A3●M12



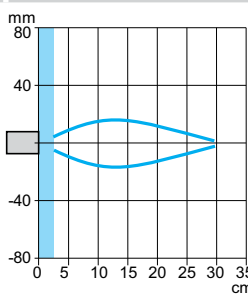
XX230A1●, XX630A1●CM12, XX6V3A1●AM12, XXBV3A1●AM12, XX930A1●M12, XX9V3A1●M12, XX8D1A1●AM12, XXBD1A1●AM12



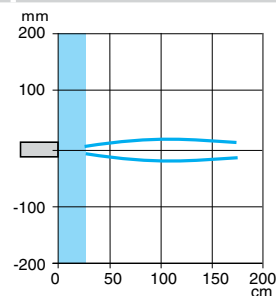
XX7F1A2●AL01M12



XX7K1A2●AM12



XX230A2●



Blind zone for diffuse sensors.

Blind zone for reflex sensors.

X			
XSZB112	24	XX930A1A2230M12	20
XSZB118	24	XX930A1A2M12	20
XSZB130	24	XX930A2A1230M12	20
XSZBD10	24	XX930A2A1M12	20
XUZ2001	24	XX930A2A2230M12	20
XUZ2003	24	XX930A2A2M12	20
XUZA118	24	XX930A3A1M12	20
XUZB2003	24	XX930A3A2M12	20
XUZB2012	24	XX930S1A1M12	20
XUZB2030	24	XX930S1A2M12	20
XX218A3NFM12	22	XXB18A3PAM12	15
XX218A3NHM12	22	XXBD1A1PAM12	18
XX218A3PFM12	22	XXBV1A1PAM12	18
XX218A3PHM12	22	XXBV3A1PAM12	15
XX230A10PA00M12	22	XXR12A8KAM8	15
XX230A11PA00M12	22	XXR12A8KBM8	15
XX230A12NA00M12	22	XXR18A3KAM12	15
XX230A12PA00M12	22	XXR18A3KBM12	15
XX230A20PA00M12	22	XXR18A4KAM12	15
XX230A21PA00M12	22	XXR18A4KBM12	15
XX230A22NA00M12	22	XXRF1A8KAM12L	18
XX230A22PA00M12	22	XXRF1A8KBM12L	18
XX512A1KAM8	14	XXRK1A3KAM12	18
XX512A2NAM8	14	XXRK1A3KBM12	18
XX512A2PAM8	14	XXRK1A4KAM12	18
XX518A1KAM12	14	XXRK1A4KBM12	18
XX518A3NAL2	14	XXT12A8M8	15
XX518A3NAM12	14	XXT18A3M12	15
XX518A3PAL2	14	XXT18A4M12	15
XX518A3PAM12	14	XXTF1A8M12L	18
XX6V3A1NAM12	14	XXTK1A3M12	18
XX6V3A1PAM12	14	XXTK1A4M12	18
XX630A1KAM12	14	XXV18B1NAL10	14
XX630A1NCM12	14	XXV18B1NAL2	14
XX630A1PCM12	14	XXV18B1NAL5	14
XX630A2NCM12	14	XXV18B1NAM12	14
XX630A2PCM12	14	XXV18B1NBL10	14
XX630A3NCM12	14	XXV18B1NBL2	14
XX630A3PCM12	14	XXV18B1NBL5	14
XX630S1NCM12	14	XXV18B1NBM12	14
XX630S1PCM12	14	XXV18B1PAL10	14
XX7F1A2NAL01M12	18	XXV18B1PAL2	14
XX7F1A2PAL01M12	18	XXV18B1PAL5	14
XX7K1A2NAM12	18	XXV18B1PAM12	14
XX7K1A2PAM12	18	XXV18B1PBL10	14
XX7V1A1NAM12	18	XXV18B1PBL2	14
XX7V1A1PAM12	18	XXV18B1PBL5	14
XX8D1A1NAM12	18	XXV18B1PBM12	14
XX8D1A1PAM12	18	XXZ12	24
XX9D1A1C2M12	20	XXZ1933	24
XX9D1A1F1M12	20	XXZ30	24
XX9V1A1C2M12	20	XXZ3074F	24
XX9V1A1F1M12	20	XXZ3074S	24
XX9V3A1C2M12	20	XXZPB100	15
XX9V3A1F1M12	20		18
XX918A3C2M12	20		20
XX918A3F1M12	20		22
XX930A1A1230M12	20	XZCC12FCM40B	24
XX930A1A1M12	20	XZCC12FCP40B	24
		XZCC12FDM40B	24
		XZCC12FDP40B	24
		XZCC8FCM30V	24
		XZCC8FCM40V	24
		XZCC8FDM30V	24
		XZCC8FDM40V	24
		XZCP0166L2	24
		XZCP0266L2	24
		XZCP1141L2	24
		XZCP1241L2	24