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# Telemecanique Sensors Detection components

## Panorama



Simply easy!™

# Telemecanique Sensors

## Simply easy!™

Founded over 90 years ago, **Telemecanique Sensors** is specialized in sensors and sensor-related technology.

As a **global leader** in the sensors business, we help our customers select the right technology to get the best performance and reliability from their machines.



Focused on 3 core values – **Simplicity, Proximity and Expertise** – we have become experts in factory automation sensors as well as specialists in demanding applications, making our customers' lives "Simply easy!"

Visit our website and discover our full offer on [www.tesensors.com](http://www.tesensors.com)

**Telemecanique**  
Sensors
**SPOTLIGHT: Wireless**

### Limit switches: XC Wireless

**Choose :** 1 > 2 > 3 > 4 > Reference

Body      Head      Contact      Connection

<b>XCMW</b>	Snap Action	One way pulsed wireless transmission	<b>Metal Roller Plunger</b> XCMW102	<b>Metal End Plunger</b> XCMW110	<b>Plastic Roller Lever</b> XCMW115	<b>Metal Roller Lever</b> XCMW116	<b>Adjustable Length Plastic Roller Lever</b> XCMW145

### Receivers

**Choose :** 1 > 2 > 3 > Reference

Body      Connection      Output function

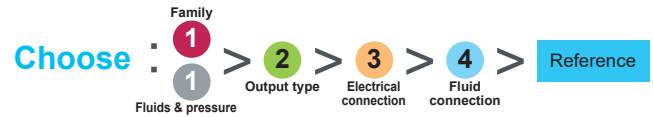
<b>ZBRR</b>	32 Transmitters	<b>4xPNP</b> ZBRC	<b>2xRelays</b> ZBRRD	<b>XZBW</b>	2 Transmitters

### Radio transmitter

Connects to any sensor or switch!

<b>NO</b>	2-way continuous Wireless transmission	<b>2 x PNP (Q1 &amp; Q2)</b> XZBWR2STT24		

# Pressure switches: XM Range



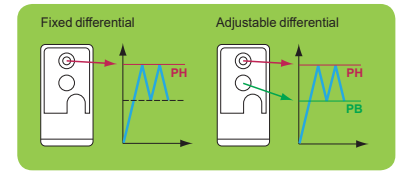
XMLA / XMLB Electromechanical		Hydraulic oils, air, fresh water, sea water / Temp. : up to 70° C						
		1 C/O single pole contact fixed differential			1 C/O single pole contact adjustable differential			
Screw terminal	Bar	psi	ISO M20	Pg13	DIN connector	ISO M20	Pg13	DIN connector
	-1	-14.5	XMLAM01V2S12	XMLAM01V2S11	XMLAM01V2C11	XMLBM02V2S12	XMLBM02V2S11	XMLBM02V2C11
	2.5	36.3	XMLA002A2S12	XMLA002A2S11	XMLA002A2C11	XMLB002A2S12	XMLB002A2S11	XMLB002A2C11
	4	58	XMLA004A2S12	XMLA004A2S11	XMLA004A2C11	XMLB004A2S12	XMLB004A2S11	XMLB004A2C11
	10	145	XMLA010A2S12	XMLA010A2S11	XMLA010A2C11	XMLB010A2S12	XMLB010A2S11	XMLB010A2C11
	20	290	XMLA020A2S12	XMLA020A2S11	XMLA020A2C11	XMLB020A2S12	XMLB020A2S11	XMLB020A2C11
	35	508	XMLA035A2S12	XMLA035A2S11	XMLA035A2C11	XMLB035A2S12	XMLB035A2S11	XMLB035A2C11
		Hydraulic oils / Temp. : up to 160° C						
	1	14.5	XMLA001R2S12	XMLA001R2S11	XMLA001R2C11	XMLB001R2S12	XMLB001R2S11	XMLB001R2C11
	70	1015	XMLA070D2S12	XMLA070D2S11	XMLA070D2C11	XMLB070D2S12	XMLB070D2S11	XMLB070D2C11
	160	2320	XMLA160D2S12	XMLA160D2S11	XMLA160D2C11	XMLB160D2S12	XMLB160D2S11	XMLB160D2C11
	300	4350	XMLA300D2S12	XMLA300D2S11	XMLA300D2C11	XMLB300D2S12	XMLB300D2S11	XMLB300D2C11
	500	7250	XMLA500D2S12	XMLA500D2S11	XMLA500D2C11	XMLB500D2S12	XMLB500D2S11	XMLB500D2C11

XMLR Electronic + Display		Hydraulic oils, air, fresh water, refrigerant fluids			
		-20... +80° C			
		Analog output			
M12 4 pin or 5 pin	Bar	psi	4...20 mA	0...10 V	
	-1	-14.5	XMLRM01G0T25	XMLRM01G0T75	
	1	14.5	XMLR001G0T25	XMLR001G0T75	
	2.5	35.2	XMLR2D5G0T25	XMLR2D5G0T75	
	10	145	XMLR010G0T25	XMLR010G0T75	
	16	232	XMLR016G0T25	XMLR016G0T75	
	25	362	XMLR025G0T25	XMLR025G0T75	
	40	580	XMLR040G0T25	XMLR040G0T75	
	100	1450	XMLR100M0T25	XMLR100M0T75	
	160	2320	XMLR160M0T25	XMLR160M0T75	
	250	3625	XMLR250M0T25	XMLR250M0T75	
	400	5800	XMLR400M0T25	XMLR400M0T75	
	600	8700	XMLR600M0T25	XMLR600M0T75	

Analog + 2 switching outputs	
PNP - NO/NC programmable	
4...20 mA	
	XMLRM01G2P25

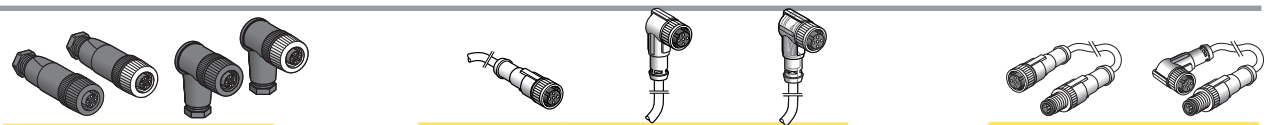
	XMLR010G2P25
	XMLR016G2P25
	XMLR040G2P25

	XMLR250M2P25
	XMLR400M2P25



XMLR Electronic + Display		Hydraulic oils, air, fresh water, refrigerant fluids			
		-20... +80° C			
		Analog + switching output			
		PNP - NO/NC programmable			
		4...20 mA		0...10 V	
G 1/4A (female)	Bar	psi	4...20 mA	0...10 V	
	-1	-14.5	XMLRM01G1P25	XMLRM01G1P75	
	1	14.5	XMLR001G1P25	XMLR001G1P75	
	2.5	35.2	XMLR2D5G1P25	XMLR2D5G1P75	
	10	145	XMLR010G1P25	XMLR010G1P75	
	16	232	XMLR016G1P25	XMLR016G1P75	
	25	362	XMLR025G1P25	XMLR025G1P75	
	40	580	XMLR040G1P25	XMLR040G1P75	
	100	1450	XMLR100M1P25	XMLR100M1P75	
	160	2320	XMLR160M1P25	XMLR160M1P75	
	250	3625	XMLR250M1P25	XMLR250M1P75	
	400	5800	XMLR400M1P25	XMLR400M1P75	
	600	8700	XMLR600M1P25	XMLR600MP75	

2 switching outputs	
PNP - NO/NC programmable	
	XMLRM01G2P05
	XMLR001G2P05
	XMLR2D5G2P05
	XMLR010G2P05
	XMLR016G2P05
	XMLR025G2P05
	XMLR040G2P05
	XMLR100M2P05
	XMLR160M2P05
	XMLR250M2P05
	XMLR400M2P05
	XMLR600M2P05



Cabling XM		Connectors (female)	
		straight	elbowed
(1)	4 pin	XZCC12FDM40B	XZCC12FCM40B
(2)	4 pin	XZCC12FDP40B	XZCC12FCP40B
(1)	5 pin	XZCC12FDM50B	XZCC12FCM50B

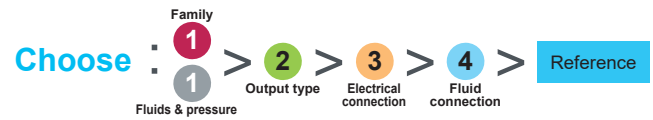
PUR pre wired connectors (female)*			
M12	straight	elbowed	elbowed PNP LED
4 pin	2 m	XZCP1141L2	XZCP1241L2
	5 m	XZCP1141L5	XZCP1241L5
	10 m	XZCP1141L10	XZCP1241L10

PUR Jumper cables		
M12 (female)	straight	elbowed
M12 (male)	straight	straight
4 pin	1 m	XZCR1511041C1
	2 m	XZCR1511041C2

(1) Steel ring (2) Plastic ring

\* For a PVC cable, add the letter V after the P. Example: XZCPxxxxx become XZCPVxxxxx

# Pressure switches: XM Range



XMLP Electronic transmitter	Hydraulic oils, air, fresh water		Analog output		
	-30...+85° C		4...20 mA	0...10 V	0.5...4.5 V
	Bar	psi			
M12 4 pin (male)	-1	-14.5	XMLPM00GD21F	XMLPM00GD71F	XMLPM00GD11F
	1	14.5	XMLP001GD21F	XMLP001GD71F	XMLP001GD11F
	6	87	XMLP006GD21F	XMLP006GD71F	XMLP006GD11F
	10	145	XMLP010BD21F	XMLP010BD71F	XMLP010BD11F
	16	232	XMLP016BD21F	XMLP016BD71F	XMLP016BD11F
	25	362	XMLP025BD21F	XMLP025BD71F	XMLP025BD11F
	40	580	XMLP040BD21F	XMLP040BD71F	XMLP040BD11F
	60	870	XMLP060BD21F	XMLP060BD71F	XMLP060BD11F
	100	1450	XMLP100BD21F	XMLP100BD71F	XMLP100BD11F
	160	2320	XMLP160BD21F	XMLP160BD71F	XMLP160BD11F
	250	3625	XMLP250BD21F	XMLP250BD71F	XMLP250BD11F
	400	5800	XMLP400BD21F	XMLP400BD71F	XMLP400BD11F
G 1/4A (male)	600	8700	XMLP600BD21F	XMLP600BD71F	XMLP600BD11F

ZMLP Display and switch	4-20 mA analog + switching output		2 switching outputs
M12 4 pin (male)	NO/NC Programmable		NO/NC Programmable
PNP	Window	Hysteresis	Fixed hysteresis
	ZMLPA1P2SW	ZMLPA1P2SH	ZMLPA2P0SH

Only usable with 4-20mA analog output XMLP electronic transmitter

M12 4 pin (female)

Quick mounting bracket

Horizontal plan

XMLPZLH01

Vertical plan or pipe

XMLPZLV01

### Cabling XM

		Connectors (female)		PUR pre wired connectors (female)*			PUR Jumper cables					
		straight	elbowed	M12	straight	elbowed	elbowed PNP LED	M12 (female)	straight	elbowed		
(1)	4 pin	XZCC12FDM40B	XZCC12FCM40B	4 pin	2 m	XZCP1141L2	XZCP1241L2	XZCP1340L2	M12 (female)	straight	straight	
(2)	4 pin	XZCC12FDP40B	XZCC12FCP40B		5 m	XZCP1141L5	XZCP1241L5	XZCP1340L5	4 pin	1 m	XZCR1511041C1	XZCR1512041C1
(1)	5 pin	XZCC12FDM50B	XZCC12FCM50B		10 m	XZCP1141L10	XZCP1241L10	XZCP1340L10		2 m	XZCR1511041C2	XZCR1512041C2

(1) Steel ring (2) Plastic ring

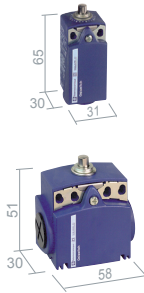
\* For a PVC cable, add the letter V after the P. Example: XZCPxxxxx become XZCPVxxxxx

# Limit switches: XC Range

See Page 2 for  
**XC Wireless SPOTLIGHT!**

Choose: **1** > **2** > **3** > **4** > Reference

<b>XCKD</b> <b>Metal</b>	<b>NO+NC Snap</b>	M16	XCKD2110P16	XCKD2102P16	XCKD2121P16	XCKD2106P16	XCKD2118P16	XCKD2145P16	
		Pg11	XCKD2110G11	XCKD2102G11	XCKD2121G11	XCKD2106G11	XCKD2118G11	XCKD2145G11	
		M12 5P	XCKD2110M12	XCKD2102M12	XCKD2121M12	XCKD2106M12	XCKD2118M12	XCKD2145M12	
<b>XCKP</b> <b>Plastic</b>	<b>NO+NC Snap</b>	M16	XCKP2110P16	XCKP2102P16	XCKP2121P16	XCKP2106P16	XCKP2118P16	XCKP2145P16	
		Pg11	XCKP2110G11	XCKP2102G11	XCKP2121G11	XCKP2106G11	XCKP2118G11	XCKP2145G11	
		M12 4P	XCKP2110M12	XCKP2102M12	XCKP2121M12	XCKP2106M12	XCKP2118M12	XCKP2145M12	
<b>XCKT</b> <b>Plastic</b>	<b>NO+NC Snap</b>	M16	XCKT2110P16	XCKT2102P16	XCKT2121P16	XCKT2106P16	XCKT2118P16	XCKT2145P16	
		Pg11	XCKT2110G11	XCKT2102G11	XCKT2121G11	XCKT2106G11	XCKT2118G11	XCKT2145G11	



<b>XCMD</b> <b>Metal</b>	<b>NO+NC Snap</b>	1 m	XCMD2110L1	XCMD2102L1	XCMD2124L1	XCMD21F0L1	XCMD21F2L1	XCMD2115L1	XCMD2116L1
	<b>NO+NC Slow</b>	1 m	XCMD2510L1	XCMD2502L1	XCMD2524L1	XCMD25F0L1	XCMD25F2L1	XCMD2515L1	XCMD2516L1
	<b>NO+NC Snap</b>	M12 5P	XCMD2110C12	XCMD2102C12	XCMD2124C12	XCMD21F0C12	XCMD21F2C12	XCMD2115C12	XCMD2116C12
	<b>1 C/O Snap</b>	M12 4P	XCMD2110M12	XCMD2102M12	XCMD2124M12	XCMD21F0M12	XCMD21F2M12	XCMD2115M12	XCMD2116M12



<b>XCKM</b> <b>Metal</b>	<b>NO+NC Snap</b>	M20	XCKM110H29	XCKM102H29	XCKM121H29	XCKM115H29	XCKM106H29		
		Pg11	XCKM110	XCKM102	XCKM121	XCKM115	XCKM106		
<b>XCKL</b> <b>Metal</b>	<b>NO+NC Snap</b>	CG	XCKL110	XCKL102	XCKL121	XCKL115	XCKL106		

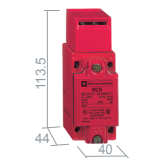


<b>XCKJ</b> <b>Metal</b>	<b>NO+NC Snap</b>	M20	XCKJ161H29	XCKJ167H29	XCKJ10511H29	XCKJ10513H29	XCKJ10541H29	XCKJ10559H29	
		Pg13	XCKJ161	XCKJ167	XCKJ10511	XCKJ10513	XCKJ10541	XCKJ10559	
		1/2NPT	XCKJ161H7	XCKJ167H7	XCKJ10511H7	XCKJ10513H7	XCKJ10541H7	XCKJ10559H7	
		M12 5P	XCKJ161D	XCKJ167D	XCKJ10511D	XCKJ10513D	XCKJ10541D	XCKJ10559D	

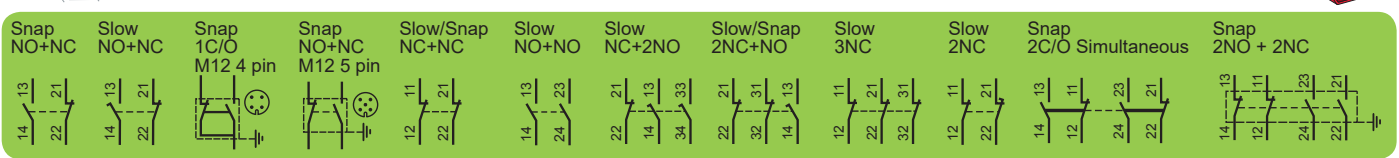


(1) Plastic roller (2) Steel roller

			<b>NC+2NO Slow</b>	<b>2NC+NO Slow</b>	<b>3NC Slow</b>	<b>Accessories</b>	
<b>XCSA</b> <b>Metal</b>	M20		XCSA502	XCSA702	XCSA802	<b>XCSZ01</b>	<b>XCSZ03</b>
	Pg13		XCSA501	XCSA701	XCSA801		
	1/2NPT		XCSA503	XCSA703	XCSA803		



			<b>NC+NO Slow</b>	<b>2NC Slow</b>	<b>2NO+NC Slow</b>	<b>2NC+NO Slow</b>	<b>2NC+NO Snap</b>	<b>Accessories</b>	
<b>XCSPA</b> <b>Plastic</b>	M16		XCSPA592	XCSPA792	XCSPA892	XCSPA992	XCSPA492	<b>XCSZ11</b>	<b>XCSZ13</b>
	Pg11		XCSPA591	XCSPA791	XCSPA891	XCSPA991	XCSPA491		
	1/2NPT		XCSPA593	XCSPA793	XCSPA893	XCSPA993	XCSPA493		



- M16 Tapped M16x1.5 for ISO cable gland
- M20 Tapped M20x1.5 for ISO cable gland
- Pg11 Tapped for a N°11 cable gland
- Pg13 Tapped for a N°13 cable gland
- 1/2NPT Tapped for a 1/2" NPT
- PF1/2 Tapped for a PF1/2"
- M12 5P Connector M12, 5 pin
- M12 4P Connector M12, 4 pin
- CG Tapped with cable gland included

<b>Cabling XC</b>		<b>PUR pre wired connectors (female)*</b>			<b>Connectors (female)</b>		
	M12	straight	elbowed	elbowed PNP LED	M12	straight	elbowed
	4 pin	2 m XZCP1141L2	XZCP1241L2	XZCP1340L2	(1) 4 pin	XZCC12FDM40B	XZCC12FCM40B
		5 m XZCP1141L5	XZCP1241L5	XZCP1340L5	(2) 4 pin	XZCC12FDP40B	XZCC12FCP40B
		10 m XZCP1141L10	XZCP1241L10	XZCP1340L10	(1) 5 pin	XZCC12FDM50B	XZCC12FCM50B
	5 pin	5 m XZCP1164L5	XZCP1264L5				

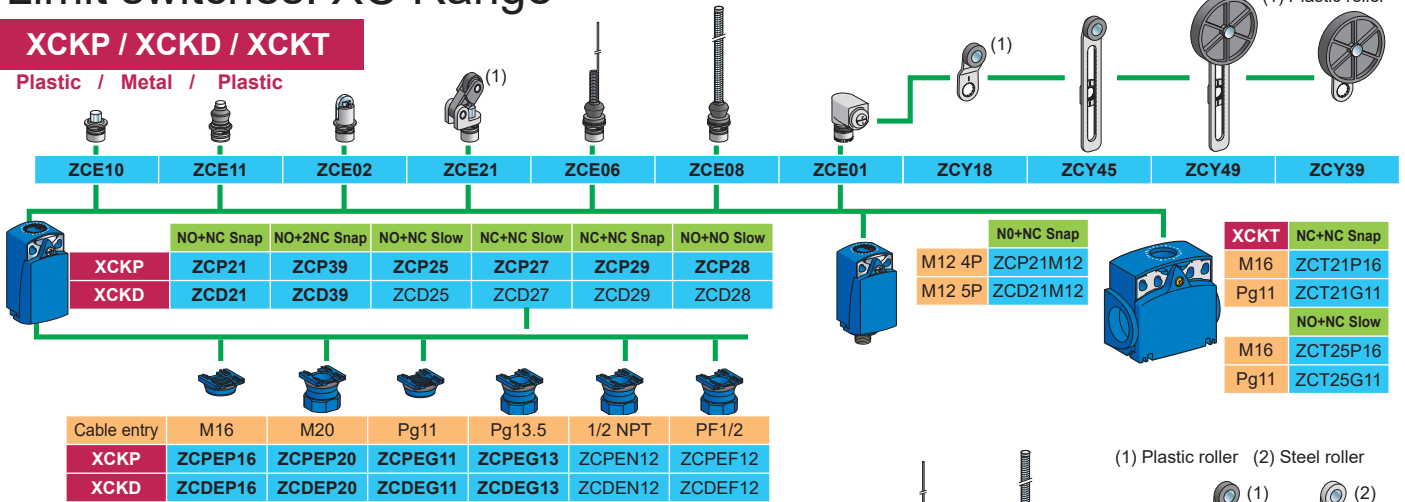
(1) Steel ring (2) Plastic ring

\*For a PVC cable, add the letter V after the P. Example: XZCPxxxxx become XZCPVxxxxx

# Limit switches: XC Range

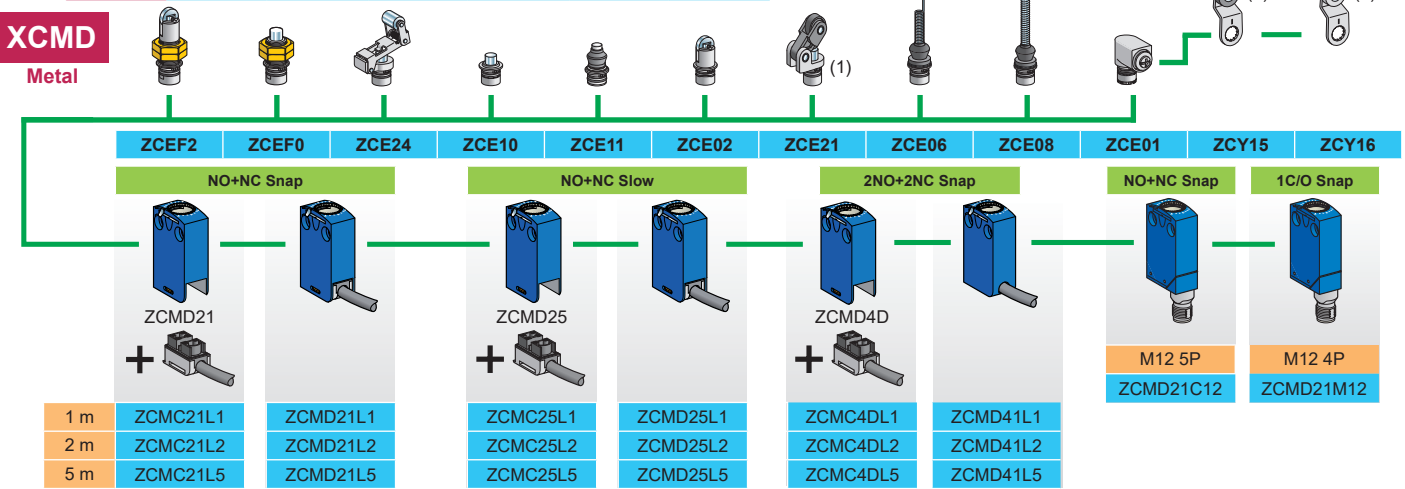
## XCKP / XCKD / XCKT

Plastic / Metal / Plastic



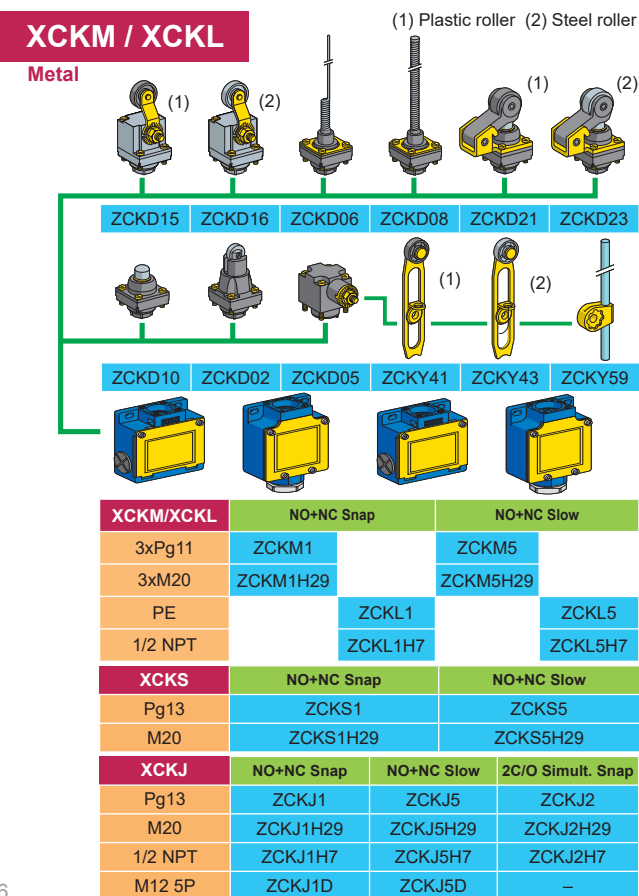
## XCMD

Metal



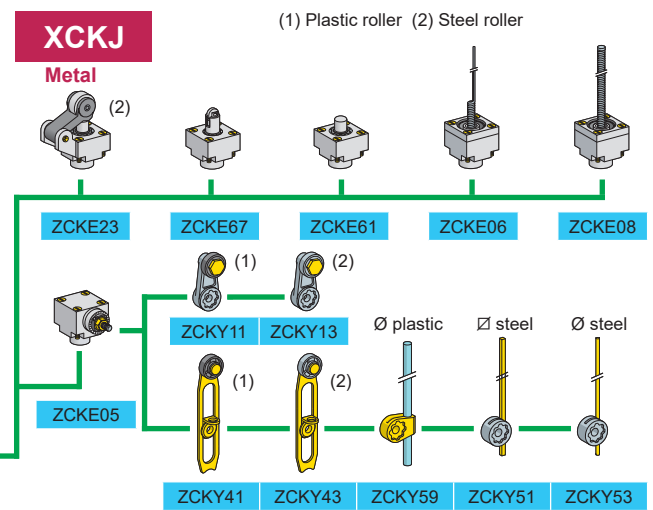
## XCKM / XCKL

Metal



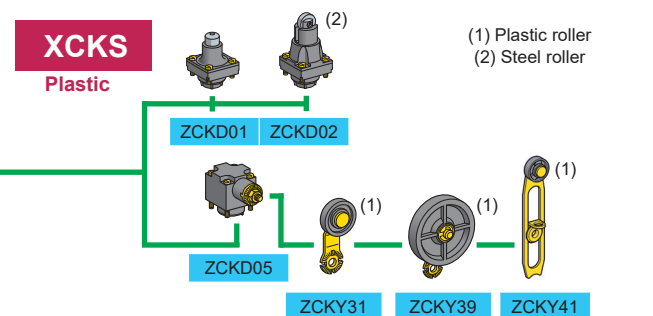
## XCKJ

Metal

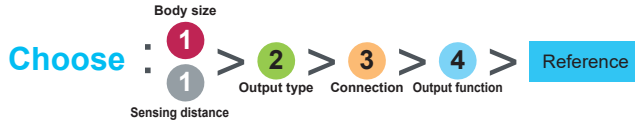


## XCKS

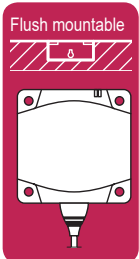
Plastic



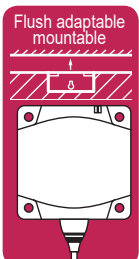
# Inductives: XS Range



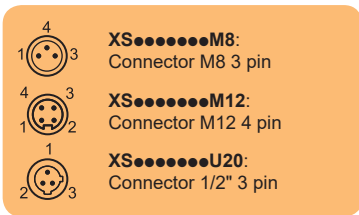
			M8		M12	
Sensing distance			1.5 mm	2.5 mm	2 mm	4 mm
DC3	PNP	cable	XS508B1P A L2	XS108B3P A L2	XS512B1P A L2	XS112B3P A L2
		connector	XS508B1P A M8	XS108 B3P A M8	XS512B1P A M12	XS112B3P A M12
	NPN	cable	XS508B1N A L2	XS108B3N A L2	XS512B1N A L2	XS112B3N A L2
		connector	XS508B1N A M8	XS108B3N A M8	XS512B1N A M12	XS112B3N A M12
DC2		cable	XS508B3C A L2	XS608B3C A L2	XS512BSD A L2	XS612B3D A L2
		connector	XS508B3C A L01M12	XS608B3C A L01M12	XS512BSD A M12	XS612B3D A M12
DC3	PNP	cable	XS508BLP A L2	XS608B1P A L2	XS512BLP A L2	XS612B1P A L2
		connector	XS508BLP A M12	XS608B1P A M12	XS512BLP A M12	XS612B1P A M12
	NPN	cable	XS508BLN A L2	XS608B1N A L2	XS512BLN A L2	XS612B1N A L2
		connector	XS508BLN A M12	XS608B1N A M12	XS512BLN A M12	XS612B1N A M12
DC2		cable	XS508B1D A L2	XS608B1D A L2	XS512B1D A L2	XS612B1D A L2
		connector	XS508B1D A M12	XS608B1D A M12	XS512B1D A M12	XS612B1D A M12
AC/DC		cable			XS512B1M A L2	XS612B1M A L2
		connector			XS512B1M A U20	XS612B1M A U20
Output function	NO		A	A	A	A
	NC		B	B	B	B
	NO + NC					(short only) C



			8x22x8 mm	15x32x8 mm	26x26x13 mm	40x40x15 mm
Sensing distance			2.5 mm	5 mm	10 mm	15 mm
DC3	PNP	cable	XS7J1A1P A L2	XS7F1A1P A L2	XS7E1A1P A L2	XS7C1A1P A L2
		connector	XS7J1A1P A L01M8	XS7F1A1P A L01M8	XS7E1A1P A M8	XS7C1A1P A M8
	NPN	cable	XS7J1A1N A L2	XS7F1A1N A L2	XS7E1A1N A L2	XS7C1A1N A L2
		connector	XS7J1A1N A L01M8	XS7F1A1N A L01M8	XS7E1A1N A M8	XS7C1A1N A M8
DC2		cable	XS7J1A1D A L2	XS7F1A1D A L2	XS7E1A1D A L2	XS7C1A1D A L2
		connector	XS7J1A1D A L01M8	XS7F1A1D A L01M8	XS7E1A1D A M8	XS7C1A1D A M8



			26x26x13 mm		40x40x15 mm	
Sensing distance			15 mm	25 mm		
DC3	PNP	cable	XS8E1A1P A L2	XS8C1A1P A L2		
		connector	XS8E1A1P A M8	XS8C1A1P A M8		
	NPN	cable	XS8E1A1N A L2	XS8C1A1N A L2		
		connector	XS8E1A1N A M8	XS8C1A1N A M8		
AC/DC		cable	XS8E1A1M A L2	XS8C1A1M A L2		
		connector	XS8E1A1M A L01U20	XS8C1A1M A L01U20		
Output function	NO		A	A	A	A
	NC		B	B	B	B



### Cabling XS

		PUR pre wired connectors (female)*	
		straight	elbowed
M8	3 pin	2 m XZCP0566L2	XZCP0666L2
		5 m XZCP0566L5	XZCP0666L5
		10 m XZCP0566L10	XZCP0666L10
1/2"	3 pin	5 m XZCP1865L5	XZCP1965L5

\*For a PVC cable, add the letter V after the P. Example: XZCPxxxxx become XZCPVxxxxx

# Inductives: XS Range



**Flush mountable**

**Short**

**Long**

			M18		M30	
Sensing distance			5 mm	8 mm	10 mm	15 mm
DC3	PNP	cable	XS518B1P A L2	XS118B3P A L2	XS530B1P A L2	XS130B3P A L2
		connector	XS518B1P A M12	XS118B3P A M12	XS530B1P A M12	XS130B3P A M12
	NPN	cable	XS518B1N A L2	XS118B3N A L2	XS530B1N A L2	XS130B3N A L2
		connector	XS518B1N A M12	XS118B3N A M12	XS530B1N A M12	XS130B3N A M12
DC2	cable	XS518BSD A L2	XS618B3D A L2	XS530BSD A L2	XS630B3D A L2	
	connector	XS518BSD A M12	XS618B3D A M12	XS530BSD A M12	XS630B3D A M12	
DC3	PNP	cable	XS518BLP A L2	XS618B1P A L2	XS530BLP A L2	XS630B1P A L2
		connector	XS518BLP A M12	XS618B1P A M12	XS530BLP A M12	XS630B1P A M12
	NPN	cable	XS518BLN A L2	XS618B1N A L2	XS530BLN A L2	XS630B1N A L2
		connector	XS518BLN A M12	XS618B1N A M12	XS530BLN A M12	XS630B1N A M12
DC2	cable	XS518B1D A L2	XS618B1D A L2	XS530B1D A L2	XS630B1D A L2	
	connector	XS518B1D A M12	XS618B1D A M12	XS530B1D A M12	XS630B1D A M12	
AC/DC	cable	XS518B1M A L2	XS618B1M A L2	XS530B1M A L2	XS630B1M A L2	
	connector	XS518B1M A U20	XS618B1M A U20	XS530B1M A U20	XS630B1M A U20	
Output function	NO		A	A	A	A
	NC		B	B	B	B
	NO + NC		(short only) C		(short only) C	

**Accessories**

M8	XSZB108
M12	XSZB112
M18	XSZB118
M30	XSZB130



Screw terminal M 20



Connector M 12, 4 pin

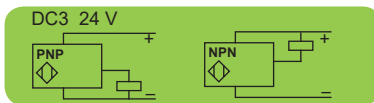
**Flush mountable**

**Flush adaptable mountable**

			80x80x26 mm	
Sensing distance			40 mm	
DC3	PNP	cable	XS7D1A1P A L2	
		connector	XS7D1A1P A M12	
	NPN	cable	XS7D1A1N A L2	
		connector	XS7D1A1N A M12	
DC2	cable	XS7D1A1D A L2		
	connector	XS7D1A1D A M12		
AC/DC	PNP	cable	XS8D1A1P A L2	
		connector	XS8D1A1P A M12	
	NPN	cable	XS8D1A1N A L2	
		connector	XS8D1A1N A M12	
DC2	cable	XS8D1A1M A L2		
	connector	XS8D1A1M A U20		
Output function	NO		A	
	NC		B	

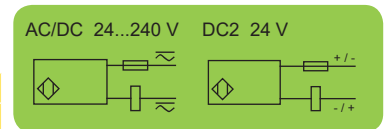
**Cubic**

			40x40x117 mm		20 mm	40 mm
Sensing distance						
DC4	PNP	NO+NC	XS8C2A1PCM12	XS8C2A4PCM12		
		NO+NC	XS8C2A1NCM12	XS8C2A4NCM12		
DC2	NPN	NO	XS8C2A1DAM12	XS8C2A4DAM12		
		NO	XS8C2A1MAU20	XS8C2A4MAU20		
DC4	PNP	NO+NC	XS8C4A1PC P20	XS8C4A4PC P20		
		NO+NC	XS8C4A1NC P20	XS8C4A4NC P20		
DC2	NPN	NO or NC	XS8C4A1DP P20	XS8C4A4DP P20		
		NO or NC	XS8C4A1MP P20	XS8C4A4MP P20		
Select the type of connection			M20	P20	P20	P20
			PG13	G13	G13	G13
			1/2" NPT	N12	N12	N12



**Accessories**

For 26x26	XSZBE00	XSZBE90
For 40x40	XSZBC00	XSZBC90



# Rotation monitoring: XSAV Range

Choose: 1 > 2 > Reference

Speed Output Type

			Reference		Low Speed	High Speed
Sensing distance					10 mm	10 mm
M30	Flush	cable	Output type	DC3-PNP	XSAV11373	XSAV12373
				AC/DC	XSAV11801	XSAV12801

## Cabling XS

PUR pre wired connectors (female)\*

M12		straight	elbowed	elbowed PNP LED
4 pin	2 m	XZCP1141L2	XZCP1241L2	XZCP1340L2
	5 m	XZCP1141L5	XZCP1241L5	XZCP1340L5
	10 m	XZCP1141L10	XZCP1241L10	XZCP1340L10

Connectors (female)

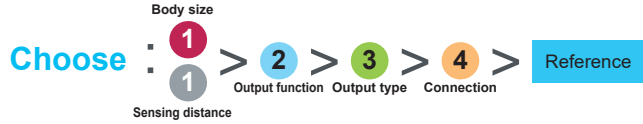
M12		straight	elbowed
4 pin	(1)	XZCC12FDM40B	XZCC12FCM40B
	(2)	XZCC12FDP40B	XZCC12FCP40B

\*For a PVC cable, add the letter V after the P. Example: XZCPxxxxx become XZCPVxxxxx

(1) Steel ring (2) Plastic ring



# Ultrasonics: XX Range



			M12		M18		M18 plastic (2)		M18 brass (2)		M18 stainless (2)		M18 metal		
Sensing distance			0.05 m	0.1 m	0.15 m	0.5 m Adjust. (1)	1 m Adjust. (1)	1 m Adjust. (1)	1 m Adjust. (1)	1 m Adjust. (1)	1 m Adjust. (1)	1 m Adjust. (1)	0.05 m		
Connectors/Cables			M8 4 pin	M8 3 pin	M12 4 pin	M12 4 pin	M12 5 pin	M12 5 pin	M12 5 pin	M12 5 pin	M12 5 pin	M12 5 pin	M12 4 pin		
NO	DC4	PNP/NPN	XX512A1KAM8		XX518A1KAM12										
	DC3	PNP		XX512A2PAM8		XX518A3PAM12								XXV18B1PAM12	
		NPN		XX512A2NAM8		XX518A3NAM12								XXV18B1NAM12	
NO or NC	DC3	PNP					XX S 18P1PM12	XX S 18B1PM12	XX S 18S1PM12						
							XX A 18P1PM12	XX A 18B1PM12	XX A 18S1PM12						
Analog		4...20 mA				XX918A3C2M12	XX S 18P1AM12	XX S 18B1AM12	XX S 18S1AM12						
							XX A 18P1AM12	XX A 18B1AM12	XX A 18S1AM12						
			0...10 V				XX918A3F1M12	XX S 18P1VM12	XX S 18B1VM12	XX S 18S1VM12					
									XX A 18P1VM12	XX A 18B1VM12	XX A 18S1VM12				

(1) Adjustable with XXZPB100

(2) Configurable with XXZBOX01 by software

S = straight A = angled



			M30 plastic (2)				M30 Brass (2)			M30 Stainless (2)		
Sensing distance			1 m Adjust. (1)	2 m Adjust. (1)	4 m Adjust. (1)	8 m Adjust. (3)	1 m Adjust. (1)	2 m Adjust. (1)	4 m Adjust. (1)	1 m Adjust. (1)	2 m Adjust. (1)	4 m Adjust. (1)
Connectors			M12 5-pin	M12 5-pin	M12 5-pin	M12 5-pin	M12 5-pin	M12 5-pin	M12 5-pin	M12 5-pin	M12 5-pin	M12 5-pin
NO or NC	DC3	PNP	XX S 30P1PM12	XX S 30P2PM12	XXS30P4PM12		XX S 30B1PM12	XX S 30B2PM12	XXS30B4PM12	XX S 30S1PM12	XX S 30S2PM12	XXS30S4PM12
			XX A 30P1PM12	XX A 30P2PM12		XX A 30B1PM12	XX A 30B2PM12		XX A 30S1PM12	XX A 30S2PM12		
	DC4	2 x PNP			XXS30P8PPM12							
		2 x NPN			XXS30P8NNM12							
Analog	DC3	4...20mA	XX S 30P1AM12	XX S 30P2AM12	XXS30P4AM12		XX S 30B1AM12	XX S 30B2AM12	XXS30B4AM12	XX S 30S1AM12	XX S 30S2AM12	XXS30S4AM12
			XX A 30P1AM12	XX A 30P2AM12		XX A 30B1AM12	XX A 30B2AM12		XX A 30S1AM12	XX A 30S2AM12		
		0...10V	XX S 30P1VM12	XX S 30P2VM12	XXS30P4VM12		XX S 30B1VM12	XX S 30B2VM12	XXS30B4VM12	XX S 30S1VM12	XX S 30S2VM12	XXS30S4VM12
			XX A 30P1VM12	XX A 30P2VM12		XX A 30B1VM12	XX A 30B2VM12		XX A 30S1VM12	XX A 30S2VM12		
Analog + NO or NC	DC4	4...20 mA + PNP			XXS30P8APM12							
		0...10V + PNP			XXS30P8VPM12							

(1) Adjustable with XXZPB100

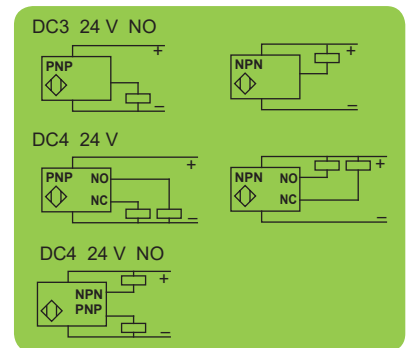
(2) Configurable with XXZBOX01 by software

(3) Push-button integrated on the product S = straight A = angled

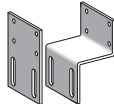


			Flat 7.6x19x33		Flat 16x30x74		Flat 60x30x18 + M18	
Sensing distance			0.1 m		0.25 m		0.5 m Adjust.	0.5 m Adjust.
Connectors			M12 4 pin		M12 4 pin		M12 4 pin	M12 4 pin
NO	DC3	PNP	XX7F1A2PAL01M12	XX7K1A2PAM12			XX7V1A1PAM12 (1)	
		NPN	XX7F1A2NAL01M12	XX7K1A2NAM12			XX7V1A1NAM12 (1)	
Analog		4...20 mA					XX9V1A1C2M12 (1)	
		0...10 V					XX9V1A1F1M12 (1)	

(1) Adjustable with XXZPB100



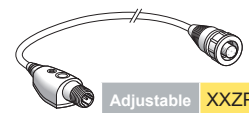
XUZ 2001	M12	XUZB2012
XUZ 2003	M18	XUZB2003
	M30	XUZB2030



For XX7K	Flat	XXZ3074F
	Cranked	XXZ3074S



M12	XXZ12
M18	XUZA118
M30	XXZ30
XX7F	XXZ1933



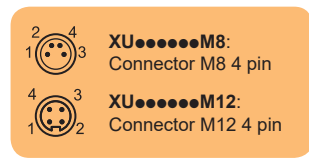
Adjustable XXZPB100

# Photo-electrics: XU Range



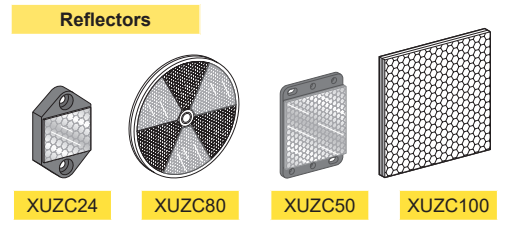
Sensing distance					M18 metal	M18 plastic	Miniature		
<b>Diffuse</b> 	0.6 m	DC3	PNP	cable	XUB5BP A NL2	XUB5AP A NL2	1.9 m	XUM5AP X BL2	
				connector 4P	XUB5BP A NM12	XUB5AP A NM12		XUM5AP X BM8	
		NPN	cable	XUB5BN A NL2	XUB5AN A NL2	XUM5AN X BL2			
			connector 4P	XUB5BN A NM12	XUB5AN A NM12	XUM5AN X BM8			
		DC3	PNP	cable				1.1 m	XUM6AP X BL2
				connector 4P					XUM6AP X BM8
	NPN	cable			XUM6AN X BL2				
		connector 4P			XUM6AN X BM8				
	0.1 m	DC3	PNP	cable	XUB4BP A NL2	XUB4AP A NL2	0.25 m	XUM4AP X BL2	
				connector 4P	XUB4BP A NM12	XUB4AP A NM12		XUM4AP X BM8	
		NPN	cable	XUB4BN A NL2	XUB4AN A NL2	XUM4AN X BL2			
			connector 4P	XUB4BN A NM12	XUB4AN A NM12	XUM4AN X BM8			
DC3		PNP	cable			0.3 m		XUM8AP X BL2	
			connector 4P					XUM8AP X BM8	
NPN	cable			XUM8AN X BL2					
	connector 4P			XUM8AN X BM8					
<b>Polarized Reflex</b> 	2 m	DC3	PNP	cable	XUB9BP A NL2	XUB9AP A NL2	8 m	XUM9AP X BL2	
				connector 4P	XUB9BP A NM12	XUB9AP A NM12		XUM9AP X BM8	
		NPN	cable	XUB9BN A NL2	XUB9AN A NL2	XUM9AN X BL2			
			connector 4P	XUB9BN A NM12	XUB9AN A NM12	XUM9AN X BM8			
		Accessory: Reflector				XUZC50		XUZC50	XUZC50
		<b>Reflex</b> 	4 m	DC3	PNP	cable		XUB1BP A NL2	XUB1AP A NL2
connector 4P	XUB1BP A NM12					XUB1AP A NM12	XUM2AP X BM8		
NPN	cable			XUB1BN A NL2	XUB1AN A NL2	XUM2AN X BL2			
	connector 4P			XUB1BN A NM12	XUB1AN A NM12	XUM2AN X BM8			
Accessory: Reflector				XUZC50	XUZC50				
<b>Thru-beam</b> 	15 m			DC3	PNP	cable	XUB2BP A NL2R	XUB2AP A NL2R	Tranmitters are already included
		connector 4P	XUB2BP A NM12R			XUB2AP A NM12R			
		NPN	cable	XUB2BN A NL2R	XUB2AN A NL2R				
			connector 4P	XUB2BN A NM12R	XUB2AN A NM12R				
		Transmitter	cable	XUB2BKSNL2T	XUB2AKSNL2T				
			connector 4P	XUB2BKSNM12T	XUB2AKSNM12T				
Output function	NO	A	A						
	NC	B	B						

Multimode		DC3	PNP	cable	XUB0BPSNL2	XUB0APSNL2	XUM0APSNL2
	Background suppression (BGS)	NPN	cable	XUB0BPSNM12	XUB0APSNM12	XUM0APSNM12	
			connector 4P	XUB0BNSNL2	XUB0ANSNL2	XUM0ANSNL2	
	Diffuse (D)	NPN	cable	XUB0BNSNM12	XUB0ANSNM12	XUM0ANSNM12	
			connector 4P			XUM0ANSAM8	
Sensing distance				Background Sup: 0.12 m	Diffuse: 0.3 m	BGS: 0.1 m   D: 0.4 m	
Output function				NO or NC	Polarized reflex: 3 m	Thru-beam: 20 m	P: 3 m   TB: 10 m
Transmitter	DC		cable	XUB0BKSNL2T	XUB0AKSNL2T	XUM0AKSNL2T	
			connector 4P	XUB0BKSNM12T	XUB0AKSNM12T	XUM0AKSAM8T	



**Cabling XU**

M8		PUR pre wired connectors (female)*	
		straight	elbowed
4 pin	2 m	XZCP0941L2	XZCP1041L2
	5 m	XZCP0941L5	XZCP1041L5
	10 m	XZCP0941L10	XZCP1041L10



\*For a PVC cable, add the letter V after the P. Example: XZCPxxxxx become XZCPVxxxxx

# Photo-electrics: XU Range



Sensing distance		Compact 50x50 mm				
<b>Diffuse</b> 	1 m	DC3	PNP	cable	XUK5AP A NL2	
				connector 4P	XUK5AP A NM12	
				NPN	cable	XUK5AN A NL2
					connector 4P	XUK5AN A NM12
			AC/DC	Relay	cable	XUK5ARCNL2
	<b>Output function</b>		NO		A	
		NC		B		

Sensing distance		Compact 92x71 mm				
2.1 m	DC3	PNP	terminals	XUX5AP A NT16		
			connector 4P	XUX5AP A NM12		
			NPN	terminals	XUX5AN A NT16	
				connector 4P	XUX5AN A NM12	
			AC/DC	Relay	terminals	XUX5ARCNT16
	<b>Output function</b>		NO		A	
		NC		B		

Sensing distance		Compact 50x50 mm				
<b>Polarized Reflex</b> 	5 m	DC3	PNP	cable	XUK9AP A NL2	
				connector 4P	XUK9AP A NM12	
			NPN	cable	XUK9AN A NL2	
				connector 4P	XUK9AN A NM12	
			AC/DC	Relay	cable	XUK9ARCNL2
	<b>Accessory: Reflector</b>		XUZC50			

Sensing distance		Compact 92x71 mm				
11 m	DC3	PNP	terminals	XUX9AP A NT16		
			connector 4P	XUX9AP A NM12		
			NPN	terminals	XUX9AN A NT16	
				connector 4P	XUX9AN A NM12	
			AC/DC	Relay	terminals	XUX9ARCNT16
	<b>Accessory: Reflector</b>		XUZC50			

Sensing distance		Compact 50x50 mm				
<b>Reflex</b> 	7 m	DC3	PNP	cable	XUK1AP A NL2	
				connector 4P	XUK1AP A NM12	
			NPN	cable	XUK1AN A NL2	
				connector 4P	XUK1AN A NM12	
			AC/DC	Relay	cable	XUK1ARCNL2
	<b>Accessory: Reflector</b>		XUZC50			

Sensing distance		Compact 92x71 mm				
14 m	DC3	PNP	terminals	XUX1AP A NT16		
			connector 4P	XUX1AP A NM12		
			NPN	terminals	XUX1AN A NT16	
				connector 4P	XUX1AN A NM12	
			AC/DC	Relay	terminals	XUX1ARCNT16
	<b>Accessory: Reflector</b>		XUZC50			

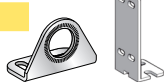
Sensing distance		Compact 50x50 mm			
<b>Thru-beam</b> 	30 m	DC3	PNP	cable	XUK2AP A NL2R
				connector 4P	XUK2AP A NM12R
			NPN	cable	XUK2AN A NL2R
				connector 4P	XUK2AN A NM12R
	<b>Accessory: Transmitter</b>		cable	XUK2AKSNL2T	
				connector 4P	XUK2AKSNM12T
		AC/DC	Relay	cable	XUK2ARCNL2R
			cable	XUK2ARCNL2T	

Sensing distance		Compact 92x71 mm			
40 m	DC3	PNP	terminals	XUX2AP A NT16R	
			connector 4P	XUX2AP A NM12R	
			NPN	terminals	XUX2AN A NT16R
				connector 4P	XUX2AN A NM12R
				terminals	XUX0AKSAT16T
				connector 4P	XUX0AKSAM12T
		AC/DC	Relay	terminals	XUX2ARCNT16R
			terminals	XUX0ARCTT16T	

Sensing distance		Compact 50x50 mm				Compact 92x71 mm							
<b>Multimode</b> 	0.28 m	DC3	PNP/NPN	cable	XUK0AKSAL2	1.3 m	DC3	PNP/NPN	terminals	XUX0AKSAT16			
				connector 4P	XUK0AKSAM12				connector 4P	XUX0AKSAM12			
				AC/DC	Relay	cable	XUK0ARCTL2			AC/DC	Relay	terminals	XUX0ARCTT16
	<b>Accessory: Transmitter</b>		DC	cable	XUK0AKSAL2T	<b>Accessory: Transmitter</b>		DC	terminals	XUX0AKSAT16T			
				connector 4P	XUK0AKSAM12T				connector 4P	XUX0AKSAM12T			
		AC/DC	cable	XUK0ARCTL2T			AC/DC	terminals	XUX0ARCTT16T				

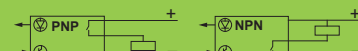
## Other fixings

Single bracket

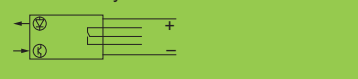


	standard	with ball joint
XUB	XUZA118 (stainless steel)	XUZA218 (plastic)
XUM	XUZA50	-
XUK	XUZA51	-
XUX	XUXZ2000	-

DC3 24 V



AC/DC Relay 24...240 V



M12		PUR pre wired connectors (female)*		
		straight	elbowed	elbowed PNP LED
4 pin	2 m	XZCP1141L2	XZCP1241L2	XZCP1340L2
	5 m	XZCP1141L5	XZCP1241L5	XZCP1340L5
	10 m	XZCP1141L10	XZCP1241L10	XZCP1340L10

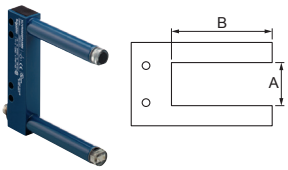


M12		Connectors (female)	
		straight	elbowed
4 pin (1)		XZCC12FDM40B	XZCC12FCM40B
		XZCC12FDP40B	XZCC12FCP40B

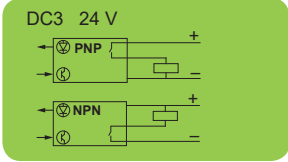
(1) Steel ring (2) Plastic ring

\*For a PVC cable, add the letter V after the P. Example: XZCPxxxxx become XZCPVxxxxx

# Forks: XUV Range



		A: 50 mm / B: 60 mm			A: 80 mm / B: 60 mm			A: 120 mm / B: 120 mm			A: 180 mm / B: 120 mm		
DC3	PNP	M8 3 pin	XUVR0605P	A NM8	XUVR0608P	A NM8	XUVR1212P	A NM8	XUVR1218P	A NM8	XUVR1218P	A NM8	
	NPN	M8 3 pin	XUVR0605N	A NM8	XUVR0608N	A NM8	XUVR1212N	A NM8	XUVR1218N	A NM8	XUVR1218N	A NM8	
Output function	NO	[Symbol]			A			A			A		
	NC	[Symbol]			B			B			B		



## Cabling XX & XUV

		PUR pre wired connectors (female)*			Connectors (female)			
M8		straight	elbowed	elbowed PNP LED	M12	straight	elbowed	
3 pin	2 m	XZCP0566L2	XZCP0666L2		(1)	4 pin	XZCC12FDM40B	XZCC12FCM40B
	5 m	XZCP0566L5	XZCP0666L5		(2)	4 pin	XZCC12FDP40B	XZCC12FCP40B
	10 m	XZCP0566L10	XZCP0666L10		(1) Steel ring (2) Plastic ring			
4 pin	2 m	XZCP0941L2	XZCP1041L2					
	5 m	XZCP0941L5	XZCP1041L5					
	10 m	XZCP0941L10	XZCP1041L10					
M12					Connectors (male)			
4 pin	2 m	XZCP1141L2	XZCP1241L2	XZCP1340L2	M12	straight	elbowed	
	5 m	XZCP1141L5	XZCP1241L5	XZCP1340L5	4 pin	XZCC12MDM40B	XZCC12MCM40B	
	10 m	XZCP1141L10	XZCP1241L10	XZCP1340L10	5 pin	XZCC12MDM50B	XZCC12MCM50B	

\*For a PVC cable, add the letter V after the P. Example: XZCPxxxxx become XZCPVxxxxx

# RFID Systems: XG Range



Panel mounting (1)	Compact 40x40mm		
	Sensing distance 18-70mm		
	PNP output with 1 pulse	Modbus RTU	
	Blue body, connector on back	White body with remote lights, connector on back	Stand alone
	XGCS491B201	XGCS49LB201	XGCS490B201

(1) compatible with ZB5AZ905 and XGSZCNFAC

Screw mounting	Compact 40x40mm	Compact 80x80mm	
	Sensing distance 18-70mm	Sensing distance 20-100mm	
	Modbus RTU		Modbus TCP & Ethernet/IP
	Blue body, connector and cable by side		
	XGCS4901201	XGCS8901201	XGCS850C201

Accessories	XGSZCNFAC	Set of configuration badges	XZCC12MDB50R	M12 connector
	XGSZCNF01	Configuration badge	XZCPV11V2L2/5/10	M12 pre-wired connector
	XGHB90E341	Pack of user's badges	XZCPV12V2L2/5/10	M12 pre-wired connector
	XGHBPB3345	Key fob tag		

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