Telemecanique Sensors Detection components

Panorama



Simply easy!™

Telemecanique Sensors

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!"

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Pressure switches: XM Range

Choose : Family 1 / Fluids & pressure 1 > 2 Output type > 3 Electrical connection > 4 Fluid connection > Reference

XMLA / XMLB Electromechanical

Hydraulic oils, air, fresh water, sea water / Temp. : up to 70° C

Screw terminal	Bar	psi	1 C/O single pole contact fixed differential			1 C/O single pole contact adjustable differential		
			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
G 1/4 (female	500	7250	XMLA500D2S12	XMLA500D2S11	XMLA500D2C11	XMLB500D2S12	XMLB500D2S11	XMLB500D2C11



XMLR Electronic + Display

Hydraulic oils, air, fresh water, refrigerant fluids

-20… +80° C

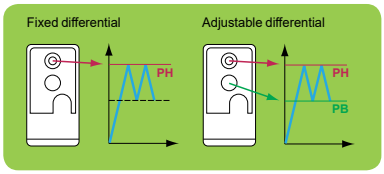
M12 4 pin or 5 pin	Bar	psi	Analog output 4…20 mA	Analog output 0…10 V	Analog + 2 switching outputs PNP - NO/NC programmable 4…20 mA
	-1	-14.5	XMLRM01G0T25	XMLRM01G0T75	XMLRM01G2P25
	1	14.5	XMLR001G0T25	XMLR001G0T75	
	2.5	35.2	XMLR2D5G0T25	XMLR2D5G0T75	
	10	145	XMLR010G0T25	XMLR010G0T75	XMLR010G2P25
	16	232	XMLR016G0T25	XMLR016G0T75	XMLR016G2P25
	25	362	XMLR025G0T25	XMLR025G0T75	
	40	580	XMLR040G0T25	XMLR040G0T75	XMLR040G2P25
	100	1450	XMLR100M0T25	XMLR100M0T75	
	160	2320	XMLR160M0T25	XMLR160M0T75	
	250	3625	XMLR250M0T25	XMLR250M0T75	XMLR250M2P25
	400	5800	XMLR400M0T25	XMLR400M0T75	XMLR400M2P25
	600	8700	XMLR600M0T25	XMLR600M0T75	

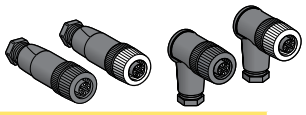


Hydraulic oils, air, fresh water, refrigerant fluids

-20… +80° C

G 1/4A (female)	Bar	psi	Analog + switching output PNP - NO/NC programmable 4…20 mA	Analog + switching output PNP - NO/NC programmable 0…10 V	2 switching outputs PNP - NO/NC programmable
	-1	-14.5	XMLRM01G1P25	XMLRM01G1P75	XMLRM01G2P05
	1	14.5	XMLR001G1P25	XMLR001G1P75	XMLR001G2P05
	2.5	35.2	XMLR2D5G1P25	XMLR2D5G1P75	XMLR2D5G2P05
	10	145	XMLR010G1P25	XMLR010G1P75	XMLR010G2P05
	16	232	XMLR016G1P25	XMLR016G1P75	XMLR016G2P05
	25	362	XMLR025G1P25	XMLR025G1P75	XMLR025G2P05
	40	580	XMLR040G1P25	XMLR040G1P75	XMLR040G2P05
	100	1450	XMLR100M1P25	XMLR100M1P75	XMLR100M2P05
	160	2320	XMLR160M1P25	XMLR160M1P75	XMLR160M2P05
	250	3625	XMLR250M1P25	XMLR250M1P75	XMLR250M2P05
	400	5800	XMLR400M1P25	XMLR400M1P75	XMLR400M2P05
	600	8700	XMLR600M1P25	XMLR600MP75	XMLR600M2P05

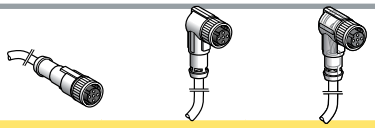




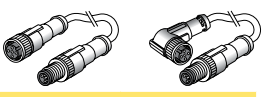
Cabling XM

M12		Connectors (female) straight	elbowed
(1)	4 pin	XZCC12FDM40B	XZCC12FCM40B
(2)	4 pin	XZCC12FDP40B	XZCC12FCP40B
(1)	5 pin	XZCC12FDM50B	XZCC12FCM50B

(1) Steel ring (2) Plastic ring



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 (female)		PUR Jumper cables straight	elbowed
M12 (male)		straight	straight
4 pin	1 m	XZCR1511041C1	XZCR1512041C1
	2 m	XZCR1511041C2	XZCR1512041C2

* For a PVC cable, add the letter V after the P. Example: XZCPxxxxxx become XZCPVxxxxxx

Pressure switches: XM Range

Choose : Family 1 / Fluids & pressure 1 > 2 Output type > 3 Electrical connection > 4 Fluid connection > Reference

XMLP Electronic transmitter
M12 4 pin (male)



G 1/4A (male)

Hydraulic oils, air, fresh water

–30…+85° C		Analog output		
Bar	psi	4…20 mA	0…10 V	0.5…4.5 V
-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
600	8700	XMLP600BD21F	XMLP600BD71F	XMLP600BD11F

ZMLP Display and switch
M12 4 pin (male)
PNP



M12 4 pin (female)

4-20 mA analog + switching output		2 switching outputs
NO/NC Programmable		NO/NC Programmable
Window	Hysteresis	Fixed hysteresis
ZMLPA1P2SW	ZMLPA1P2SH	ZMLPA2P0SH

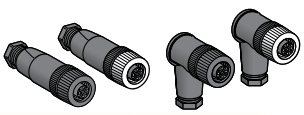
Only usable with 4-20mA analog output XMLP electronic transmitter





Quick mounting bracket

Horizontal plan	Vertical plan or pipe
XMLPZLH01	XMLPZLV01



Cabling XM

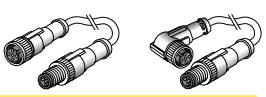
Connectors (female)			
M12		straight	elbowed
(1)	4 pin	XZCC12FDM40B	XZCC12FCM40B
(2)	4 pin	XZCC12FDP40B	XZCC12FCP40B
(1)	5 pin	XZCC12FDM50B	XZCC12FCM50B

(1) Steel ring (2) Plastic ring



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

* For a PVC cable, add the letter V after the P. Example: XZCPxxxxxx become XZCPVxxxxxx

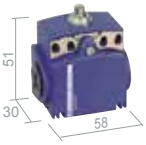


PUR Jumper cables			
M12 (female)		straight	elbowed
M12 (male)		straight	straight
4 pin	1 m	XZCR1511041C1	XZCR1512041C1
	2 m	XZCR1511041C2	XZCR1512041C2

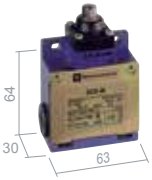
Limit switches: XC Range

Choose : 1 Body > 2 Head > 3 Contact > 4 Connection > Reference

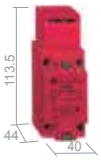


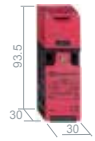










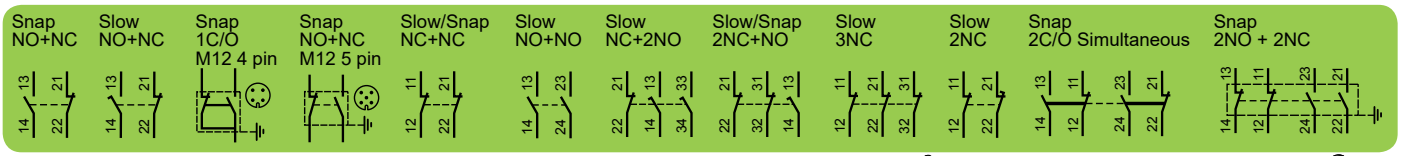


							(1)	(1)
XCKD Metal	NO+NC Snap	M16	XCKD2110P16	XCKD2102P16	XCKD2121P16	XCKD2106P16	XCKD2118P16	XCKD2145P16
		Pg11	XCKD2110G11	XCKD2102G11	XCKD2121G11	XCKD2106G11	XCKD2118G11	XCKD2145G11
		M12 5P	XCKD2110M12	XCKD2102M12	XCKD2121M12	XCKD2106M12	XCKD2118M12	XCKD2145M12
XCKP Plastic	NO+NC Snap	M16	XCKP2110P16	XCKP2102P16	XCKP2121P16	XCKP2106P16	XCKP2118P16	XCKP2145P16
		Pg11	XCKP2110G11	XCKP2102G11	XCKP2121G11	XCKP2106G11	XCKP2118G11	XCKP2145G11
		M12 4P	XCKP2110M12	XCKP2102M12	XCKP2121M12	XCKP2106M12	XCKP2118M12	XCKP2145M12
XCKT Plastic	NO+NC Snap	M16	XCKT2110P16	XCKT2102P16	XCKT2121P16	XCKT2106P16	XCKT2118P16	XCKT2145P16
		Pg11	XCKT2110G11	XCKT2102G11	XCKT2121G11	XCKT2106G11	XCKT2118G11	XCKT2145G11
							(1)	(2)
XCMD Metal	NO+NC Snap	1 m	XCMD2110L1	XCMD2102L1	XCMD2124L1	XCMD21F0L1	XCMD21F2L1	XCMD2115L1	XCMD2116L1
	NO+NC Slow	1 m	XCMD2510L1	XCMD2502L1	XCMD2524L1	XCMD25F0L1	XCMD25F2L1	XCMD2515L1	XCMD2516L1
	NO+NC Snap	M12 5P	XCMD2110C12	XCMD2102C12	XCMD2124C12	XCMD21F0C12	XCMD21F2C12	XCMD2115C12	XCMD2116C12
	1 C/O Snap	M12 4P	XCMD2110M12	XCMD2102M12	XCMD2124M12	XCMD21F0M12	XCMD21F2M12	XCMD2115M12	XCMD2116M12
							(1)		
XCKM Metal	NO+NC Snap	M20	XCKM110H29	XCKM102H29	XCKM121H29	XCKM115H29	XCKM106H29
		Pg11	XCKM110	XCKM102	XCKM121	XCKM115	XCKM106
XCKL Metal	NO+NC Snap	CG	XCKL110	XCKL102	XCKL121	XCKL115	XCKL106
					(1)	(2)	(1)	
XCKJ Metal	NO+NC Snap	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

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

		NC+N0 Slow	2NC Slow	2NO+NC Slow	2NC+NO Slow	2NC+N0 Snap	Accessories	
XCSPA Plastic	M16	XCSPA592	XCSPA792	XCSPA892	XCSPA992	XCSPA492	**XCSZ11**	**XCSZ13**
	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

Cabling XC



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
5 pin	5 m	XZCP1164L5	XZCP1264L5	



M12		Connectors (female) straight	elbowed
(1) 4 pin		XZCC12FDM40B	XZCC12FCM40B
(2) 4 pin		XZCC12FDP40B	XZCC12FCP40B
(1) 5 pin		XZCC12FDM50B	XZCC12FCM50B

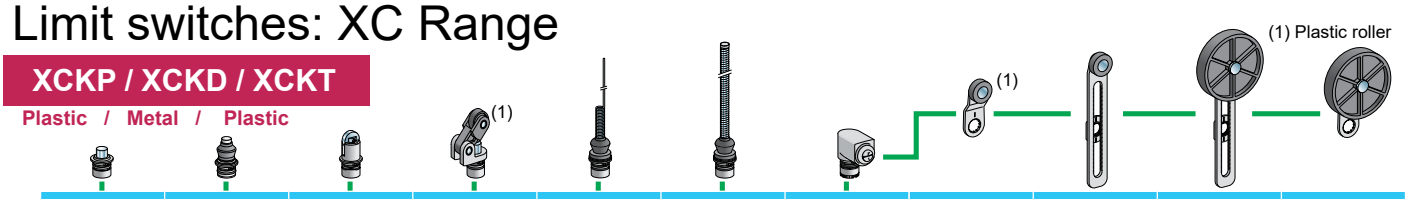
(1) Steel ring (2) Plastic ring

*For a PVC cable, add the letter V after the P. Example: XZCPxxxxxx become XZCPVxxxxxx

Limit switches: XC Range

XCKP / XCKD / XCKT

Plastic / Metal / Plastic



ZCE10	ZCE11	ZCE02	ZCE21	ZCE06	ZCE08	ZCE01	ZCY18	ZCY45	ZCY49	ZCY39

	NO+NC Snap	NO+2NC Snap	NO+NC Slow	NC+NC Snap	NC+NC Snap	NO+NO Slow
XCKP	ZCP21	ZCP39	ZCP25	ZCP27	ZCP29	ZCP28
XCKD	ZCD21	ZCD39	ZCD25	ZCD27	ZCD29	ZCD28

	N0+NC Snap
M12 4P	ZCP21M12
M12 5P	ZCD21M12

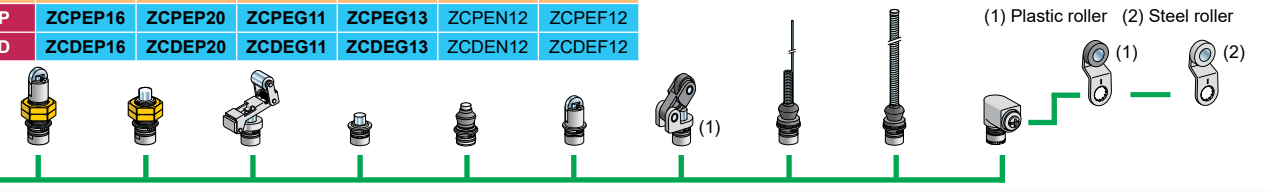
XCKT	NC+NC Snap
M16	ZCT21P16
Pg11	ZCT21G11
	NO+NC Slow
M16	ZCT25P16
Pg11	ZCT25G11

Cable entry	M16	M20	Pg11	Pg13.5	1/2 NPT	PF1/2
XCKP	ZCPEP16	ZCPEP20	ZCPEG11	ZCPEG13	ZCPEN12	ZCPEF12
XCKD	ZCDEP16	ZCDEP20	ZCDEG11	ZCDEG13	ZCDEN12	ZCDEF12

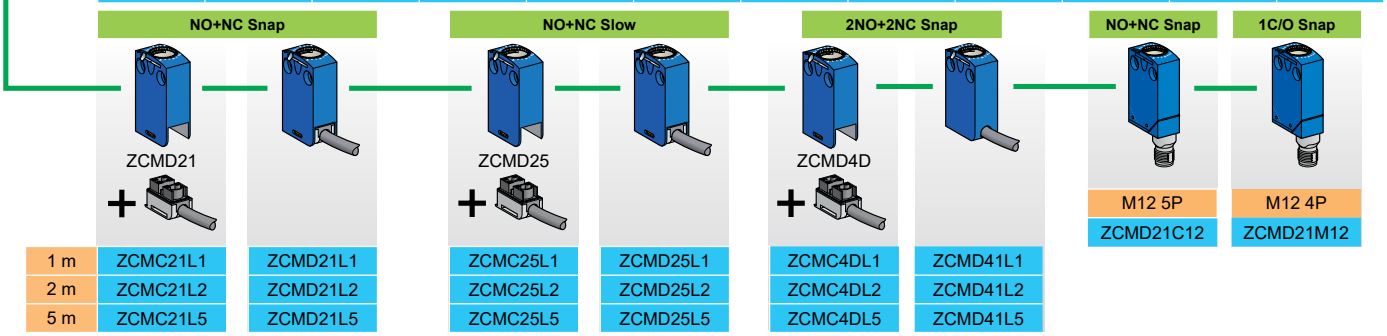
XCMD

Metal

(1) Plastic roller (2) Steel roller



ZCEF2	ZCEF0	ZCE24	ZCE10	ZCE11	ZCE02	ZCE21	ZCE06	ZCE08	ZCE01	ZCY15	ZCY16

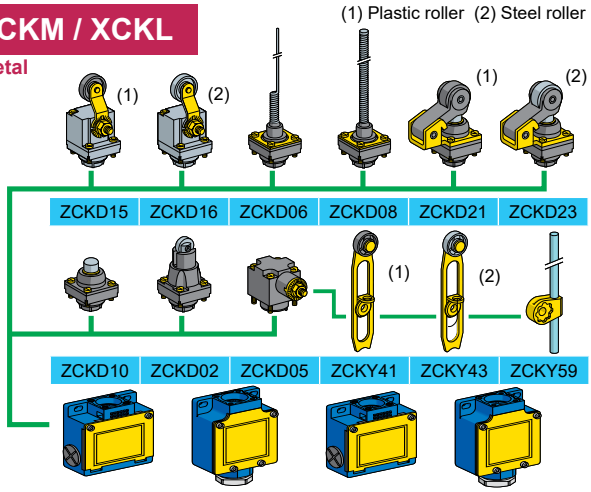


1 m	ZCMC21L1	ZCMD21L1	ZCMC25L1	ZCMD25L1	ZCMC4DL1	ZCMD41L1	ZCMD21C12	ZCMD21M12
2 m	ZCMC21L2	ZCMD21L2	ZCMC25L2	ZCMD25L2	ZCMC4DL2	ZCMD41L2		
5 m	ZCMC21L5	ZCMD21L5	ZCMC25L5	ZCMD25L5	ZCMC4DL5	ZCMD41L5		

XCKM / XCKL

Metal

(1) Plastic roller (2) Steel roller



ZCKD15	ZCKD16	ZCKD06	ZCKD08	ZCKD21	ZCKD23

ZCKD10	ZCKD02	ZCKD05	ZCKY41	ZCKY43	ZCKY59

XCKM/XCKL	NO+NC Snap		NO+NC Slow	
3xPg11	ZCKM1		ZCKM5	
3xM20	ZCKM1H29		ZCKM5H29	
PE		ZCKL1		ZCKL5
1/2 NPT		ZCKL1H7		ZCKL5H7

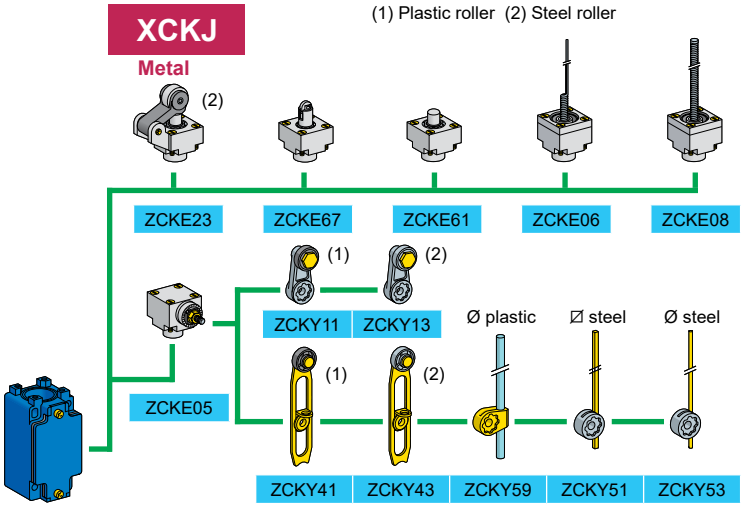
XCKS	NO+NC Snap	NO+NC Slow
Pg13	ZCKS1	ZCKS5
M20	ZCKS1H29	ZCKS5H29

XCKJ	NO+NC Snap	NO+NC Slow	2C/O Simult. Snap
Pg13	ZCKJ1	ZCKJ5	ZCKJ2
M20	ZCKJ1H29	ZCKJ5H29	ZCKJ2H29
1/2 NPT	ZCKJ1H7	ZCKJ5H7	ZCKJ2H7
M12 5P	ZCKJ1D	ZCKJ5D	–

XCKJ

Metal

(1) Plastic roller (2) Steel roller



ZCKE23	ZCKE67	ZCKE61	ZCKE06	ZCKE08

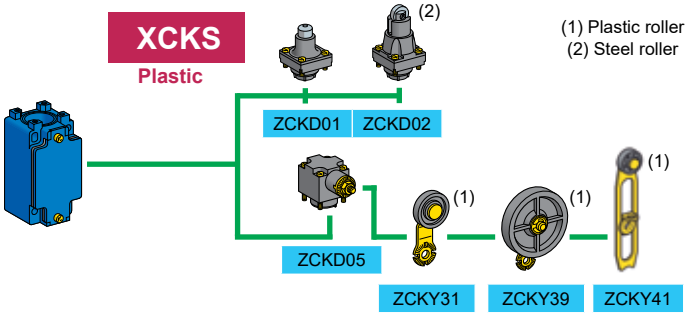
ZCKE05	ZCKY11	ZCKY13

ZCKY41	ZCKY43	ZCKY59	ZCKY51	ZCKY53

XCKS

Plastic

(1) Plastic roller
(2) Steel roller



ZCKD01	ZCKD02

ZCKD05

ZCKY31	ZCKY39	ZCKY41

Inductives: XS Range

Choose : Body size **1** / Sensing distance **1** > **2** Output type > **3** Connection > **4** Output function > Reference




Flush mountable – Short

			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	XS508BSC A L2	XS608B3C A L2	XS512BSD A L2	XS612B3D A L2
		connector	XS508BSC A L01M12	XS608B3C A L01M12	XS512BSD A M12	XS612B3D A M12

Long

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






Flush mountable

			☐ 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

Flush adaptable mountable

			☐ 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
		NC	B	B






XS●●●●●●●M8: Connector M8 3 pin



XS●●●●●●●M12: Connector M12 4 pin



XS●●●●●●●U20: Connector 1/2" 3 pin

Cabling XS

		PUR pre wired connectors (female)*	
M8		straight	elbowed
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: XZCPxxxxxx become XZCPVxxxxxx

Inductives: XS Range




Flush mountable

Short



			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

Long



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

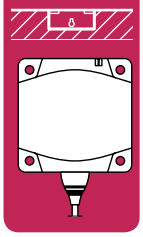


Connector M 12, 4 pin

Flush mountable

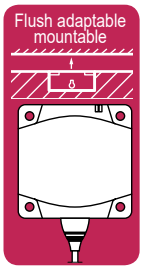
Non flush mountable

Flush mountable



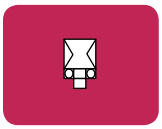
			Ø 80x80x26 mm
	Sensing distance		40 mm
DC3	PNP	cable	XS7D1A1P A L2
		connector	XS7D1A1P A M12
	NPN	cable	XS7D1A1N A L2
		connector	XS7D1A1N A M12
DC2		cable	XS7D1A1D A L2
		connector	XS7D1A1D A M12

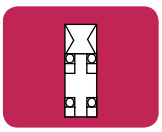
Flush adaptable mountable



			Ø 80x80x26 mm
	Sensing distance		60 mm
DC3	PNP	cable	XS8D1A1P A L2
		connector	XS8D1A1P A M12
	NPN	cable	XS8D1A1N A L2
		connector	XS8D1A1N A M12
AC/DC		cable	XS8D1A1M A L2
		connector	XS8D1A1M A U20
Output function		NO	A
		NC	B

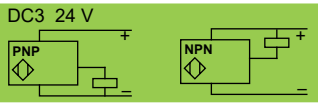
Cubic



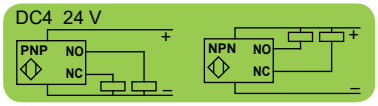


			Ø 40x40x117 mm	20 mm	40 mm
DC4	PNP	NO+NC		XS8C2A1PCM12	XS8C2A4PCM12
	NPN	NO+NC		XS8C2A1NCM12	XS8C2A4NCM12
DC2		NO		XS8C2A1DAM12	XS8C2A4DAM12
AC/DC		NO		XS8C2A1MAU20	XS8C2A4MAU20
DC4	PNP	NO+NC		XS8C4A1PC P20	XS8C4A4PC P20
	NPN	NO+NC		XS8C4A1NC P20	XS8C4A4NC P20
DC2		NO or NC		XS8C4A1DP P20	XS8C4A4DP P20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

DC3 24 V



DC4 24 V

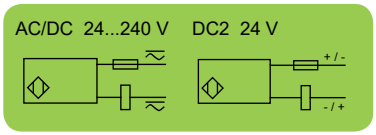


Accessories



For 26x26	XSZBE00	XSZBE90
For 40x40	XSZBC00	XSZBC90

AC/DC 24...240 V DC2 24 V



Rotation monitoring: XSAV Range

Choose : 1 Speed > 2 Output Type >

Reference



				Sensing distance	Low Speed	High Speed
					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

*For a PVC cable, add the letter V after the P. Example: XZCPxxxxxx become XZCPVxxxxxx



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

(1) Steel ring (2) Plastic ring

Ultrasonics: XX Range

Choose : Body size 1 / Sensing distance 1 > 2 Output function > 3 Output type > 4 Connection > Reference

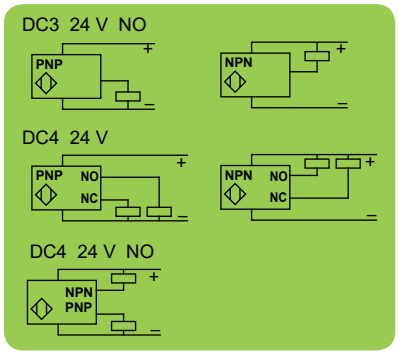


			M12		M18		M18 plastic	M18 brass	M18 stainless	M18 metal
Sensing distance			0.05 m	0.1 m	0.15 m	0.5 m Adjust.	1 m Adjust.	1 m Adjust.	1 m Adjust.	0.05 m
	Connectors/Cables		M8 4 pin	M8 3 pin	M12 4 pin	M12 4 pin	M12 5 pin	M12 5 pin	M12 5 pin	M12 4 pin
NO	DC4	PNP/NPN	XX512A1KAM8		XX518A1KAM12					
	DC3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

(1) Adjustable with XXZPB100 S = straight A = angled



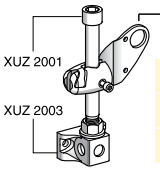
			M30		M30 stainless
Sensing distance			1 m Adjust.	8 m Adjust.	1 m Adjust.
	Connectors/Cables		M12 4 pin	M12 4 pin	M12 4 pin
NO	DC4	PNP/NPN	XX630A1KAM12		
	DC3	PNP	XX6V3A1PAM12 (1)		
		NPN	XX6V3A1NAM12 (1)		
NO+NC	DC4	PNP	XX630A1PCM12	XX630A3PCM12	XX630S1PCM12
		NPN	XX630A1NCM12	XX630A3NCM12	XX630S1NCM12
Analog		4...20 mA	XX9V3A1C2M12 (1)	XX930A3A2M12	XX930S1A2M12
		0...10 V	XX9V3A1F1M12 (1)	XX930A3A1M12	XX930S1A1M12



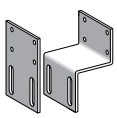


			Flat 7.6x19x33	Flat 16x30x74	Flat 60x30x18 + M18	
Sensing distance			0.1 m	0.25 m	0.5 m Adjust.	0.5 m Adjust.
	Connectors		M12 4 pin	M12 4 pin	M12 4 pin	M12 4 pin
NO	DC3	PNP	XX7F1A2PAL01M12	XX7K1A2PAM12		XX7V1A1PAM12 (1)
		NPN	XX7F1A2NAL01M12	XX7K1A2NAM12		XX7V1A1NAM12 (1)
Analog		4...20 mA 0...10 V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

(1) Adjustable with XXZPB100

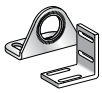


M12	XUZB2012
M18	XUZB2003
M30	XUZB2030

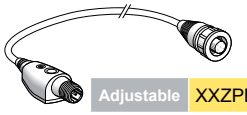


For XX7K

Flat	XXZ3074F
Cranked	XXZ3074S



M12	XXZ12
M18	XUZA118
M30	XXZ30
XX7F	XXZ1933



Adjustable XXZPB100

Photo-electrics: XU Range

Choose : Body size & system (1) / Sensing distance (1) > (2) Output type > (3) Connection > (4) Output function > Reference





Sensing distance					M18 metal	M18 plastic	Miniature	
Diffuse (T/R)	0.6 m	DC3	PNP	cable	XUB5BP**A**NL2	XUB5AP**A**NL2	0.7 m	XUM5AP**S**BL2
				connector 4P	XUB5BP**A**NM12	XUB5AP**A**NM12		XUM5AP**S**BM8
			NPN	cable	XUB5BN**A**NL2	XUB5AN**A**NL2		XUM5AN**S**BL2
				connector 4P	XUB5BN**A**NM12	XUB5AN**A**NM12		
		DC3	PNP	cable				
				connector 4P				
			NPN	cable				
				connector 4P				
	0.1 m	DC3	PNP	cable	XUB4BP**A**NL2	XUB4AP**A**NL2		
				connector 4P	XUB4BP**A**NM12	XUB4AP**A**NM12		
			NPN	cable	XUB4BN**A**NL2	XUB4AN**A**NL2	0.15 m	XUM4AN**S**BL2
				connector 4P	XUB4BN**A**NM12	XUB4AN**A**NM12		
Polarized Reflex (T/R)	2 m	DC3	PNP	cable	XUB9BP**A**NL2	XUB9AP**A**NL2	6 m	XUM9AP**S**BL2
				connector 4P	XUB9BP**A**NM12	XUB9AP**A**NM12		XUM9AP**S**BM8
			NPN	cable	XUB9BN**A**NL2	XUB9AN**A**NL2		XUM9AN**S**BL2
				connector 4P	XUB9BN**A**NM12	XUB9AN**A**NM12		
		Accessory: Reflector			XUZC50	XUZC50		XUZC50
Reflex (T/R)	4 m	DC3	PNP	cable	XUB1BP**A**NL2	XUB1AP**A**NL2		
				connector 4P	XUB1BP**A**NM12	XUB1AP**A**NM12		
			NPN	cable	XUB1BN**A**NL2	XUB1AN**A**NL2		
				connector 4P	XUB1BN**A**NM12	XUB1AN**A**NM12		
		Accessory: Reflector			XUZC50	XUZC50		
Thru-beam (T) (R)	15 m	DC3	PNP	cable	XUB2BP**A**NL2R	XUB2AP**A**NL2R	20 m	XUM2AP**S**BL2
				connector 4P	XUB2BP**A**NM12R	XUB2AP**A**NM12R		XUM2AP**S**BM8
			NPN	cable	XUB2BN**A**NL2R	XUB2AN**A**NL2R		XUM2AN**S**BL2
				connector 4P	XUB2BN**A**NM12R	XUB2AN**A**NM12R		
		Transmitter		cable	XUB2BKSNL2T	XUB2AKSNL2T		Transmitters are already included
				connector 4P	XUB2BKSNM12T	XUB2AKSNM12T		
		Output function		**NO**	**A**	**A**		
				NC	**B**	**B**		

Multimode Background suppression (BGS) / Diffuse (D) / Polarised reflex (P) / Thru-beam (TB)	DC3	PNP	cable	XUB0BPSNL2	XUB0APSNL2		XUM0APSAL2
			connector 4P	XUB0BPSNM12	XUB0APSNM12		XUM0APSAM8
		NPN	cable	XUB0BNSNL2	XUB0ANSNL2		XUM0ANSAL2
			connector 4P	XUB0BNSNM12	XUB0ANSNM12		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		XUM0AKSAL2T
			connector 4P	XUB0BKSNM12T	XUB0AKSNM12T		XUM0AKSAM8T

XU●●●●●●M8: Connector M8 4 pin

XU●●●●●●M12: Connector M12 4 pin

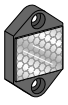
Cabling XU

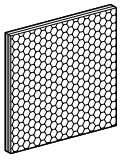



M8		PUR pre wired connectors (female)* straight	elbowed
4 pin	2 m	XZCP0941L2	XZCP1041L2
	5 m	XZCP0941L5	XZCP1041L5
	10 m	XZCP0941L10	XZCP1041L10

*For a PVC cable, add the letter V after the P. Example: XZCPxxxxxx become XZCPVxxxxxx

Reflectors



XUZC24 | XUZC80 | XUZC50 | XUZC100

Photo-electrics: XU Range





Sensing distance					Compact 50x50 mm					Compact 92x71 mm
Diffuse	1 m	DC3	PNP	cable	XUK5AP **A** NL2	2.1 m	DC3	PNP	terminals	XUX5AP **A** NT16
(T/R)				connector 4P	XUK5AP **A** NM12				connector 4P	XUX5AP **A** NM12
			NPN	cable	XUK5AN **A** NL2			NPN	terminals	XUX5AN **A** NT16
				connector 4P	XUK5AN **A** NM12				connector 4P	XUX5AN **A** NM12
		AC/DC	Relay	cable	XUK5ARCNL2		AC/DC	Relay	terminals	XUX5ARCNT16
		Output function		NO	**A**					**A**
				NC	**B**					**B**
Polarized Reflex	5 m	DC3	PNP	cable	XUK9AP **A** NL2	11 m	DC3	PNP	terminals	XUX9AP **A** NT16
(T/R)				connector 4P	XUK9AP **A** NM12				connector 4P	XUX9AP **A** NM12
			NPN	cable	XUK9AN **A** NL2			NPN	terminals	XUX9AN **A** NT16
				connector 4P	XUK9AN **A** NM12				connector 4P	XUX9AN **A** NM12
		AC/DC	Relay	cable	XUK9ARCNL2		AC/DC	Relay	terminals	XUX9ARCNT16
		Accessory: Reflector			XUZC50					XUZC50
Reflex	7 m	DC3	PNP	cable	XUK1AP **A** NL2	14 m	DC3	PNP	terminals	XUX1AP **A** NT16
(T/R)				connector 4P	XUK1AP **A** NM12				connector 4P	XUX1AP **A** NM12
			NPN	cable	XUK1AN **A** NL2			NPN	terminals	XUX1AN **A** NT16
				connector 4P	XUK1AN **A** NM12				connector 4P	XUX1AN **A** NM12
		AC/DC	Relay	cable	XUK1ARCNL2		AC/DC	Relay	terminals	XUX1ARCNT16
		Accessory: Reflector			XUZC50					XUZC50
Thru-beam	30 m	DC3	PNP	cable	XUK2AP **A** NL2R	40 m	DC3	PNP	terminals	XUX2AP **A** NT16R
(T) (R)				connector 4P	XUK2AP **A** N M12R				connector 4P	XUX2AP **A** NM12R
			NPN	cable	XUK2AN **A** NL2R			NPN	terminals	XUX2AN **A** NT16R
				connector 4P	XUK2AN **A** NM12R				connector 4P	XUX2AN **A** NM12R
		Accessory: Transmitter		cable	XUK2AKSNL2T				terminals	XUX0AKSAT16T
				connector 4P	XUK2AKSNM12T				connector 4P	XUX0AKSAM12T
		AC/DC	Relay	cable	XUK2ARCNL2R		AC/DC	Relay	terminals	XUX2ARCNT16R
				cable	XUK2ARCNL2T				terminals	XUX0ARCTT16T
Multimode		DC3 PNP/NPN		cable	XUK0AKSAL2		DC3 PNP/NPN		terminals	XUX0AKSAT16
Background suppression (BGS) Diffuse (D)				connector 4P	XUK0AKSAM12				connector 4P	XUX0AKSAM12
		AC/DC	Relay	cable	XUK0ARCTL2		AC/DC	Relay	terminals	XUX0ARCTT16
Polarised reflex (P) Thru-beam (TB)		Background Suppression: 0.28 m		Diffuse: 0.8 m			Background Suppression: 1.3 m		Diffuse: 2 m	
		Polarized reflex: 4 m		Thru-beam: 30 m			Polarized reflex: 11 m		Thru-beam: 40 m	
Accessory: Transmitter		DC		cable	XUK0AKSAL2T		DC		terminals	XUX0AKSAT16T
				connector 4P	XUK0AKSAM12T				connector 4P	XUX0AKSAM12T
		AC/DC		cable	XUK0ARCTL2T		AC/DC		terminals	XUX0ARCTT16T

Other fixings

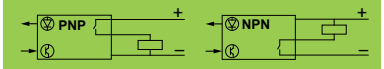
Single bracket





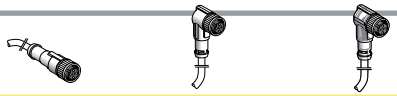
	standard	with ball joint
XUB	XUZA118 (stainlesss steel)	XUZA218 (plastic)
XUM	XUZAM02	–
XUK	XUZA51	–
XUX	XUZX2000	–

DC3 24 V



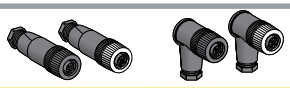
AC/DC Relay 24...240 V





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

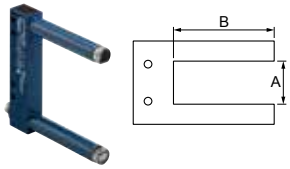
*For a PVC cable, add the letter V after the P. Example: XZCPxxxxxx become XZCPVxxxxxx



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

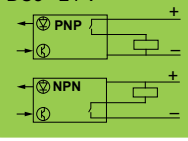
(1) Steel ring (2) Plastic ring

Forks: OsiSense XUV



			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
	NPN	M8 3 pin	XUVR0605N	A	NM8	XUVR0608N	A	NM8	XUVR1212N	A	NM8	XUVR1218N	A	NM8
Output function		NO		A			A			A			A	
		NC		B			B			B			B	

DC3 24 V





XX512A1●●M8:
Connector M8 4 pin



XX512A2●●M8,
XUVR●●●●●●M8:
Connector M8 3 pin



XX●●●●●●●M12:
Connector M12 4 pin

Cabling XX & XUV





M8		PUR pre wired connectors (female)* straight	elbowed	elbowed PNP LED
3 pin	2 m	XZCP0566L2	XZCP0666L2	
	5 m	XZCP0566L5	XZCP0666L5	
	10 m	XZCP0566L10	XZCP0666L10	
4 pin	2 m	XZCP0941L2	XZCP1041L2	
	5 m	XZCP0941L5	XZCP1041L5	
	10 m	XZCP0941L10	XZCP1041L10	
M12				
4 pin	2 m	XZCP1141L2	XZCP1241L2	XZCP1340L2
	5 m	XZCP1141L5	XZCP1241L5	XZCP1340L5
	10 m	XZCP1141L10	XZCP1241L10	XZCP1340L10

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

(1) Steel ring (2) Plastic ring



M12	Connectors (male) straight	elbowed
4 pin	XZCC12MDM40B	XZCC12MCM40B
5 pin	XZCC12MDM50B	XZCC12MCM50B

*For a PVC cable, add the letter V after the P. Example: XZCPxxxxxx become XZCPVxxxxxx

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