Telemecanique Sensors Detection components

Panorama 2025

YAGEO GROUP Brings you

Telemecanique Sensors

www.nortecnica.pt

Telemecanique Sensors

Simply easy!™

Founded over 100 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.telemecaniquesensors.com

Telemecanique Sensors presents an expanded XU
range of application photo-electric sensors to be
embedded in automated lines for the packaging
market segment.
With their diverse technical characteristics, high
performance and smart management capabilities,
they are designed to address a wide scope of specific
needs.

Sensor family per application

> Marking detection
> Very dark and light-absorbing object detection
> Accurate detection
> Colour object detection, from simple colour to very complex colour sorting
> Transparent object detection, with or without reflector

Laser *Red light* *White light* *Blue light* *RGB*

Five light spots

Choose the casing, connection type and size

> Plastic or metal casing
> Pre-cabled, with pigtail or connector
> Miniature, sub-miniature and compact size

Enable smart sensors functions through IO-Link

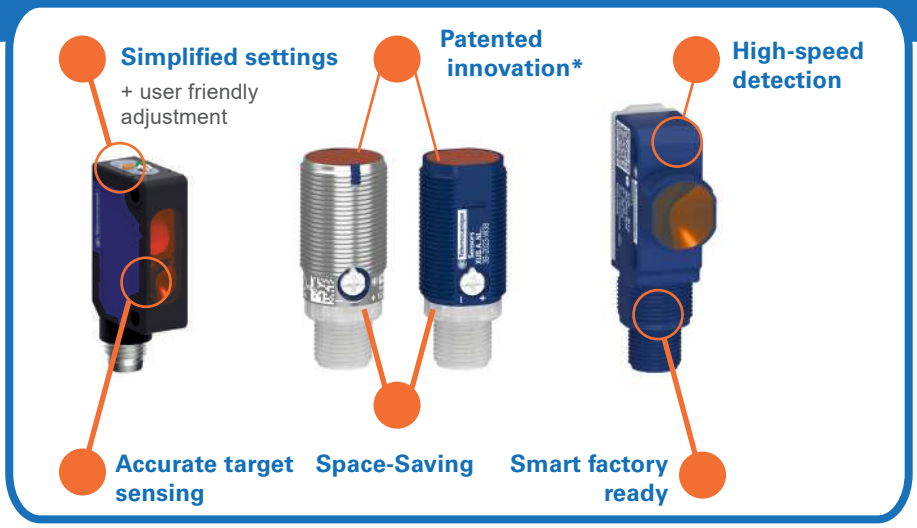
IO-Link

Smart devices communicate via IO-Link protocol

> Install your new IO-Link sensor easily: automatic reading of the device identification file (IODD) and automatic detection of the sensor output mode
> Automated parameter settings: configure the detection parameters
> Extended diagnostics, with real-time information for optimised usage and maintenance

Telemecanique Sensors

SPOTLIGHT: Photoelectric sensors XUM XUB XUN



*Small reflector placed on "thru beam" sensors, reaching up to 30m, enabling the user to align the sensors in less than 4 minutes (compared to 15 minutes previously). This reduces installation time by a factor of 3!

Pressure switches: XM Range

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

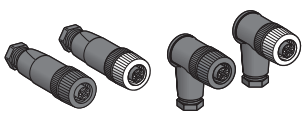
XMLP Electronic transmitter	Hydraulic oils, air, fresh water				
M12 4 pin (male)	--30…+85° C		Analog output		
	Bar	psi	4…20 mA	0…10 V	0.5…4.5 V
	-1	-14.5	XMLPM00GD21F	XMLPM00GD71F	XMLPM00GD11F
	1	14.5	XMLP001GD21F	XMLP001GD71F	XMLP001GD11F
	6	87	XMLP006GD21F	XMLP006GD71F	XMLP006GD11F
	10	145	XMLP010BD21F	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
G 1/4A (male)	600	8700	XMLP600BD21F	XMLP600BD71F	XMLP600BD11F

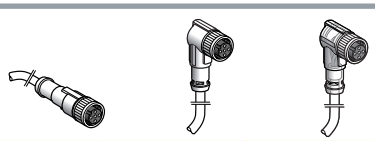
ZMLP Display and switch	4-20 mA analog + switching output		2 switching outputs
M12 4 pin (male)	NO/NC Programmable		NO/NC Programmable
PNP	Window	Hysteresis	Fixed hysteresis
	ZMLPA1P2SW	ZMLPA1P2SH	ZMLPA2P0SH

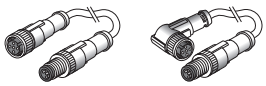
Only usable with 4-20mA analog output XMLP electronic transmitter

M12 4 pin (female)

Quick mounting bracket	Horizontal plan	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) (3)		
M12		straight	elbowed	elbowed PNP LED
4 pin	2 m	XZCP1141L2	XZCP1241L2	XZCP1340L2
	5 m	XZCP1141L5	XZCP1241L5	XZCP1340L5
	10 m	XZCP1141L10	XZCP1241L10	XZCP1340L10

(3) For a PVC cable, add the letter V after the P. Example: XZCPpppppp become XZCPVpppppp

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

Pressure switches: XM Range

Choose : Family 1 / 1 (Fluids & pressure) > 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

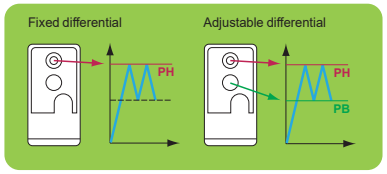
Screw terminal	Bar	psi	1 C/O single pole contact fixed differential			1 C/O single pole contact adjustable differential		
			ISO M20	Pg13	DIN connector	ISO M20	Pg13	DIN connector
	-1	-14.5	XMLAM01V2S12	XMLAM01V2S11	XMLAM01V2C11	XMLBM02V2S12	XMLBM02V2S11	XMLBM02V2C11
	2.5	36.3	XMLA002A2S12	XMLA002A2S11	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

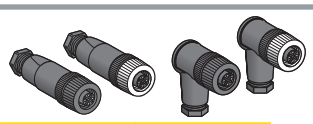
M12 4 pin or 5 pin	Bar	psi	Analog output 4…20 mA	Analog output 0…10 V	Analog + 2 switching outputs PNP - NO/NC programmable 4…20 mA
	-1	-14.5	XMLRM01G0T25	XMLRM01G0T75	XMLRM01G2P25
	1	14.5	XMLR001G0T25	XMLR001G0T75	
	2.5	35.2	XMLR2D5G0T25	XMLR2D5G0T75	
	10	145	XMLR010G0T25	XMLR010G0T75	XMLR010G2P25
	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	

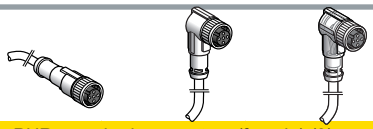


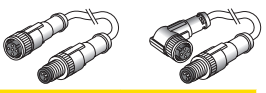
Hydraulic oils, air, fresh water, refrigerant fluids

-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	XMLR600MP25	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) (3) straight	elbowed	elbowed PNP LED
4 pin	2 m	XZCP1141L2	XZCP1241L2	XZCP1340L2
	5 m	XZCP1141L5	XZCP1241L5	XZCP1340L5
	10 m	XZCP1141L10	XZCP1241L10	XZCP1340L10

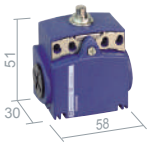
(3) For a PVC cable, add the letter V after the P. Example: XZCPppppp become XZCPVppppp

		PUR Jumper cables straight	elbowed
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 (1)	XCMD2116M12

		Type of operator	Metal end plunger	Steel roller plunger		Type of operator	Metal end plunger	Steel roller plunger
XCSM Metal	Safety contacts (3) 2NC+NO Slow	Cable 1m	XCSM3710L1	XCSM3702L1	2NC+2NO Snap	Cable 1m	XCSM4110L1	XCSM4102L1
		Cable 2m	XCSM3710L2	XCSM3702L2		Cable 2m	XCSM4110L2	XCSM4102L2
		Cable 5m	XCSM3710L5	XCSM3702L5		Cable 5m	XCSM4110L5	XCSM4102L5

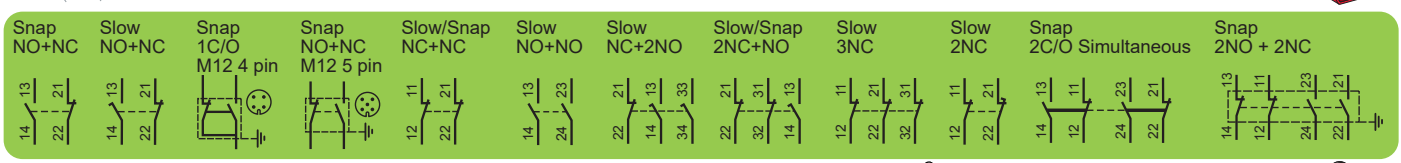
							(1)	(2)
XCKM Metal	NO+NC Snap	M20	XCKM110H29	XCKM102H29	XCKM121H29	XCKM115H29	XCKM106H29	
		Pg11	XCKM110	XCKM102	XCKM121	XCKM115	XCKM106	
XCKL Metal	NO+NC Snap	CG	XCKL110	XCKL102	XCKL121	XCKL115	XCKL106	

					(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		

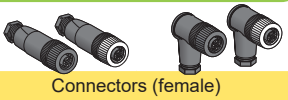
		NC+N0 Slow	2NC Slow	2NO+NC Slow	2NC+NO Slow	2NC+N0 Snap	Accessories	
XCSPA Plastic	M16	XCSPA592	XCSPA792	XCSPA892	XCSPA992	XCSPA492	XCSZ11	XCSZ13
	Pg11	XCSPA591	XCSPA791	XCSPA891	XCSPA991	XCSPA491		
	1/2NPT	XCSPA593	XCSPA793	XCSPA893	XCSPA993	XCSPA493		



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 (1) straight	elbowed	elbowed PNP LED
4 pin	2 m	XZCP1141L2	XCZP1241L2	XZCP1340L2
	5 m	XZCP1141L5	XCZP1241L5	XZCP1340L5
	10 m	XZCP1141L10	XCZP1241L10	XZCP1340L10
5 pin	5 m	XZCP1164L5	XCZP1264L5	



M12		Connectors (female) straight	elbowed
(2) 4 pin		XZCC12FDM40B	XZCC12FCM40B
(3) 4 pin		XZCC12FDP40B	XZCC12FCP40B
(2) 5 pin		XZCC12FDM50B	XZCC12FCM50B

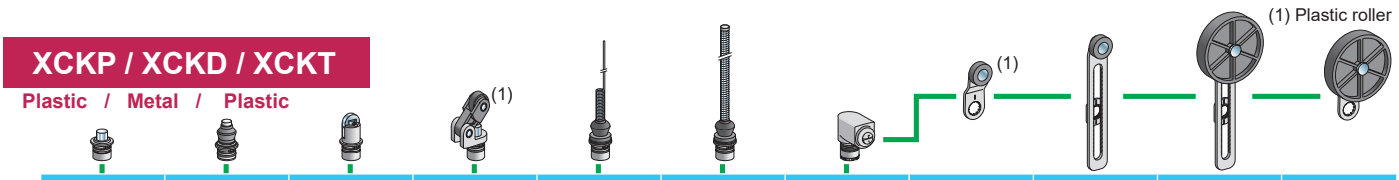
(2) Steel ring (3) Plastic ring

(1) For a PVC cable, add the letter V after the P. Example: XZCPpppppp become XZCPVpppppp

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 Slow	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

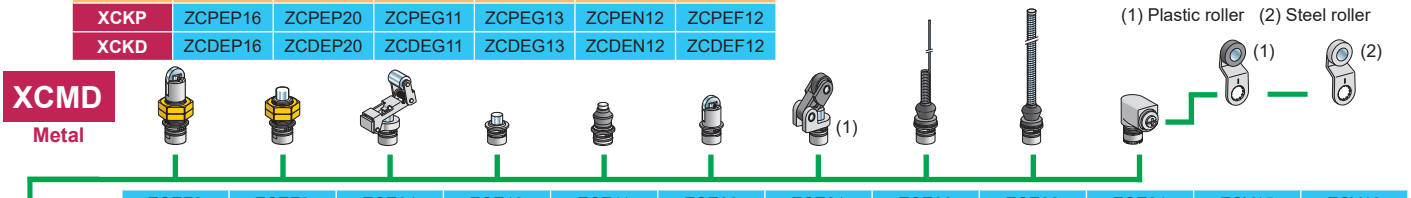
XCKT	NC+NC Snap
M16	ZCT21P16
Pg11	ZCT21G11
	NO+NC Slow
M16	ZCT25P16
Pg11	ZCT25G11

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



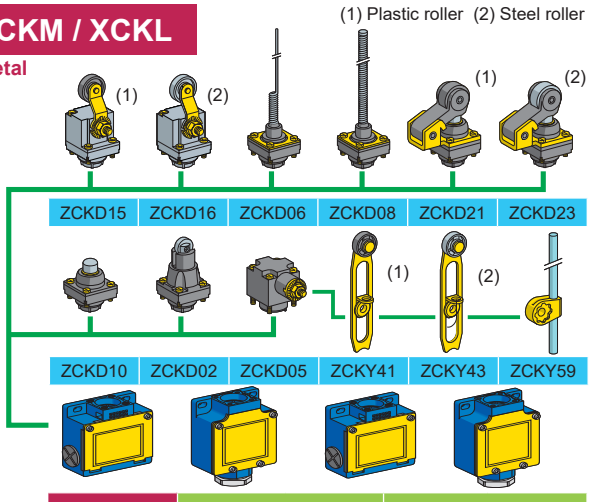
	ZCEF2	ZCEF0	ZCE24	ZCE10	ZCE11	ZCE02	ZCE21	ZCE06	ZCE08	ZCE01	ZCY15	ZCY16

	NO+NC Snap		NO+NC Slow		2NO+2NC Snap		NO+NC Snap	1C/O Snap
	ZCMD21		ZCMD25		ZCMD4D		M12 5P	M12 4P
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

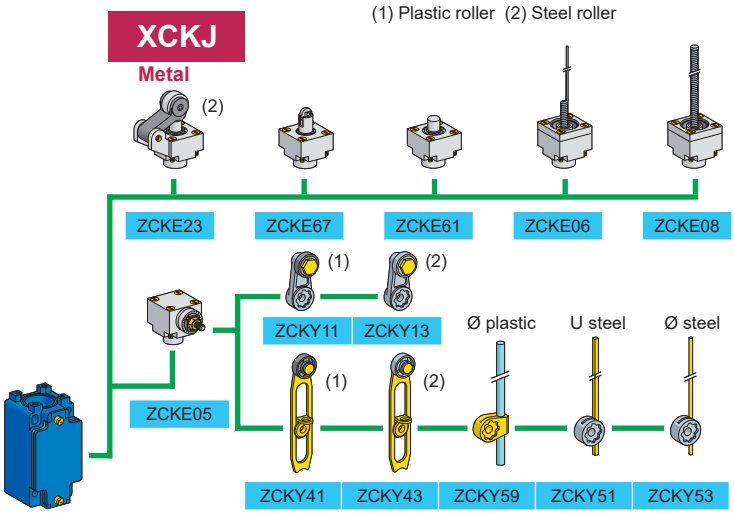
XCKS	NO+NC Snap	NO+NC Slow
Pg13	ZCKS1	ZCKS5
M20	ZCKS1H29	ZCKS5H29

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

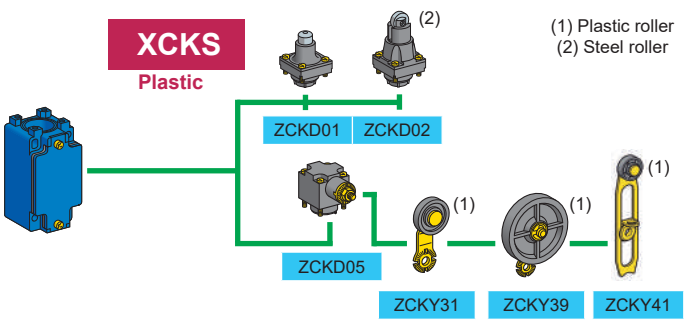
	ZCKE05

	ZCKY11	ZCKY13

	ZCKY41	ZCKY43	ZCKY59	ZCKY51	ZCKY53

XCKS

Plastic



	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

Long

			M8		M12	
	Sensing distance		1.5 mm	2.5 mm	2 mm	4 mm
DC3	PNP	cable	XS508B1PAL2	XS108B3PAL2	XS512B1PAL2	XS112B3PAL2
		connector	XS508B1PAM8	XS108B3PAM8	XS512B1PAM12	XS112B3PAM12
	NPN	cable	XS508B1NAL2	XS108B3NAL2	XS512B1NAL2	XS112B3NAL2
		connector	XS508B1NAM8	XS108B3NAM8	XS512B1NAM12	XS112B3NAM12
DC2		cable	XS508BSCAL2	XS608B3CAL2	XS512BSDAL2	XS612B3DAL2
		connector	XS508BSCAL01M12	XS608B3CAL01M12	XS512BSDAM12	XS612B3DAM12
DC3	PNP	cable	XS508BLPAL2	XS608B1PAL2	XS512BLPAL2	XS612B1PAL2
		connector	XS508BLPAM12	XS608B1PAM12	XS512BLPAM12	XS612B1PAM12
	NPN	cable	XS508BLNAL2	XS608B1NAL2	XS512BLNAL2	XS612B1NAL2
		connector	XS508BLNAM12	XS608B1NAM12	XS512BLNAM12	XS612B1NAM12
DC2		cable	XS508B1DAL2	XS608B1DAL2	XS512B1DAL2	XS612B1DAL2
		connector	XS508B1DAM12	XS608B1DAM12	XS512B1DAM12	XS612B1DAM12
AC/DC		cable			XS512B1MAL2	XS612B1MAL2
		connector			XS512B1MAU20	XS612B1MAU20
Output function		NO	A	A	A	A
		NC	B	B	B	B
		NO + NC				(short only) C

Flush mountable — Short

Long

			M18		M30	
	Sensing distance		5 mm	8 mm	10 mm	15 mm
DC3	PNP	cable	XS518B1PAL2	XS118B3PAL2	XS530B1PAL2	XS130B3PAL2
		connector	XS518B1PAM12	XS118B3PAM12	XS530B1PAM12	XS130B3PAM12
	NPN	cable	XS518B1NAL2	XS118B3NAL2	XS530B1NAL2	XS130B3NAL2
		connector	XS518B1NAM12	XS118B3NAM12	XS530B1NAM12	XS130B3NAM12
DC2		cable	XS518BSDAL2	XS618B3DAL2	XS530BSDAL2	XS630B3DAL2
		connector	XS518BSDAM12	XS618B3DAM12	XS530BSDAM12	XS630B3DAM12
DC3	PNP	cable	XS518BLPAL2	XS618B1PAL2	XS530BLPAL2	XS630B1PAL2
		connector	XS518BLPAM12	XS618B1PAM12	XS530BLPAM12	XS630B1PAM12
	NPN	cable	XS518BLNAL2	XS618B1NAL2	XS530BLNAL2	XS630B1NAL2
		connector	XS518BLNAM12	XS618B1NAM12	XS530BLNAM12	XS630B1NAM12
DC2		cable	XS518B1DAL2	XS618B1DAL2	XS530B1DAL2	XS630B1DAL2
		connector	XS518B1DAM12	XS618B1DAM12	XS530B1DAM12	XS630B1DAM12
AC/DC		cable	XS518B1MAL2	XS618B1MAL2	XS530B1MAL2	XS630B1MAL2
		connector	XS518B1MAU20	XS618B1MAU20	XS530B1MAU20	XS630B1MAU20
Output function		NO	A	A	A	A
		NC	B	B	B	B
		NO + NC		(short only) C		(short only) C

XS Miniature

			D4		M5	
	Sensing distance		0.8 mm	1.5 mm	0.8 mm	1.5 mm
DC3	PNP	cable	XS504R1PAL2	XS604R1PAL2	XS505R1PAL2	XS605R1PAL2
		connector	XS504R1PAM08	XS604R1PAM08	XS505R1PAM08	XS605R1PAM08
	NPN	cable	XS504R1NAL2	XS604R1NAL2	XS505R1NAL2	XS605R1NAL2
		connector	XS504R1NAM08	XS604R1NAM08	XS505R1NAM08	XS605R1NAM08
Output fonction		NO	A	A	A	A
		NC	B	B	B	B

Inductives: XS Range

Flush mountable

	Sensing distance		U 8x22x8 mm	U 15x32x8 mm	U 26x26x13 mm	U 40x40x15 mm
			2.5 mm	5 mm	10 mm	15 mm
DC3	PNP	cable	XS7J1A1PAL2	XS7F1A1PAL2	XS7E1A1PAL2	XS7C1A1PAL2
		connector	XS7J1A1PAL01M8	XS7F1A1PAL01M8	XS7E1A1PAM8	XS7C1A1PAM8
	NPN	cable	XS7J1A1NAL2	XS7F1A1NAL2	XS7E1A1NAL2	XS7C1A1NAL2
		connector				XS7C1A1NAM8
DC2		cable	XS7J1A1DAL2	XS7F1A1DAL2	XS7E1A1DAL2	XS7C1A1DAL2
		connector		XS7F1A1DAL01M8	XS7E1A1DAM8	XS7C1A1DAM8

Flush adaptable mountable

	Sensing distance		U 26x26x13 mm	U 40x40x15 mm
			15 mm	25 mm
DC3	PNP	cable	XS8E1A1PAL2	XS8C1A1PAL2
		connector	XS8E1A1PAM8	XS8C1A1PAM8
	NPN	cable	XS8E1A1NAL2	XS8C1A1NAL2
		connector	XS8E1A1NAM8	XS8C1A1NAM8
AC/DC		cable	XS8E1A1MAL2	XS8C1A1MAL2
		connector	XS8E1A1MAL01U20	XS8C1A1MAL01U20
Output function		NO	A	A	A	A
		NC	B	B	B	B

Screw terminal M 20

Connector M 12, 4 pin

Flush mountable

Non flush mountable

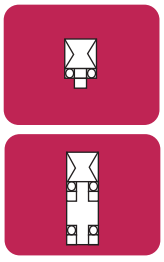
Flush mountable

	Sensing distance		U 80x80x26 mm
			40 mm
DC3	PNP	cable	XS7D1A1PAL2
		connector	XS7D1A1PAM12
	NPN	cable	XS7D1A1NAL2
		connector	XS7D1A1NAM12
DC2		cable	XS7D1A1DAL2
		connector	XS7D1A1DAM12

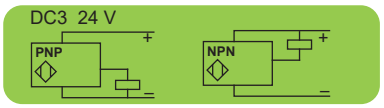
Flush adaptable mountable

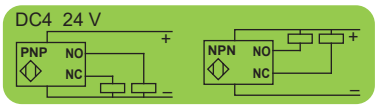
	Sensing distance		U 80x80x26 mm
			60 mm
DC3	PNP	cable	XS8D1A1PAL2
		connector	XS8D1A1PAM12
	NPN	cable	XS8D1A1NAL2
		connector	XS8D1A1NAM12
AC/DC		cable	XS8D1A1MAL2
		connector	XS8D1A1MAU20
Output function		NO	A
		NC	B

Cubic



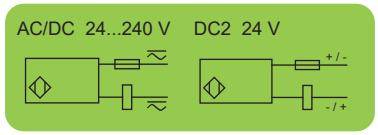
			U 40x40x117 mm	20 mm	40 mm
DC4	PNP	NO+NC	XS8C2A1PCM12	XS8C2A4PCM12
	NPN	NO+NC	XS8C2A1NCM12	XS8C2A4NCM12
DC2		NO	XS8C2A1DAM12	XS8C2A4DAM12
AC/DC		NO	XS8C2A1MAU20	XS8C2A4MAU20
DC4	PNP	NO+NC	XS8C4A1PCP20	XS8C4A4PCP20
	NPN	NO+NC	XS8C4A1NCP20	XS8C4A4NCP20
DC2		NO or NC	XS8C4A1DPP20	XS8C4A4DPP20
AC/DC		NO or NC	XS8C4A1MPP20	XS8C4A4MPP20
Select the type of connection		M20	P20	P20
		PG13	G13	G13
		1/2" NPT	N12	N12





Accessories

For 26x26	XSZBE00	XSZBE90
For 40x40	XSZBC00	XSZBC90



Rotation monitoring: XSAV Range

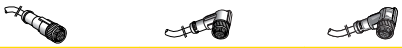
Choose : 1 Speed > 2 Output Type > Reference

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

Accessories

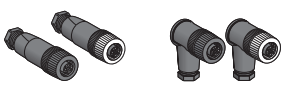
M8	XSZB108
M12	XSZB112
M18	XSZB118
M30	XSZB130

Cabling XS



M12		PUR pre wired connectors (female) (1) straight	elbowed	elbowed PNP LED
4 pin	2 m	XZCP1141L2	XZCP1241L2	XZCP1340L2
	5 m	XZCP1141L5	XZCP1241L5	XZCP1340L5
	10 m	XZCP1141L10	XZCP1241L10	XZCP1340L10

(1) For a PVC cable, add the letter V after the P. Example: XZCPppppp become XZCPVppppp



M12		Connectors (female) straight	elbowed
4 pin	(2)	XZCC12FDM40B	XZCC12FCM40B
4 pin	(3)	XZCC12FDP40B	XZCC12FCP40B

(2) Steel ring (3) Plastic ring

Photo-electrics: XU Range

www.nortecmed.pt

XU miniature,cylindrical and hybrid model

Choose: Body size & system (1) > (2) Output wires: DC4 > (3) Output function: NPN or PNP > (4) Connection: Cable or connector > Reference
(1) Sensing distance

	MAX.Sensing distance			M18 (1) metal	M18 (1) plastic	M18 (2) metal	M18 (2) plastic	Hybrid	Miniature
				NO + NC	NO + NC	NO + NC	NO + NC	NO + NC	NO or NC
Diffuse	1 m	PNP	cable	XUB5BPXNL2	XUB5APXNL2			XUN5APXNL2	1.9 m XUM5APXBL2
			connector 4P*	XUB5BPXNM12	XUB5APXNM12			XUN5APXNM12	XUM5APXBM8
			IO-Link	XUB5BPYNM12	XUB5APYNM12			XUN5APYNM12	
		NPN	cable	XUB5BNXNL2	XUB5ANXNL2			XUN5ANXNL2	XUM5ANXBL2
			connector 4P	XUB5BNXNM12	XUB5ANXNM12			XUN5ANXNM12	XUM5ANXBM8
		PNP	cable						1.1 m XUM6APXBL2
			connector 4P						XUM6APXBM8
		NPN	cable						XUM6ANXBL2
			connector 4P						XUM6ANXBM8
	0.6 m	PNP	cable	XUB6BPXNL2	XUB6APXNL2	0.5 m XUB6BNXWL2	XUB6APXWL2	XUN6APXNL2	0.25 m XUM4APXBL2
			connector 4P	XUB6BPXNM12	XUB6APXNM12	XUB6BNXWM12	XUB6APXWM12	XUN6APXNM12	XUM4APXBM8
			IO-Link	XUB6BPYNM12	XUB6APYNM12	XUB6BPYWM12	XUB6APYWM12	XUN6APYNM12	
		NPN	cable	XUB6BNXNL2	XUB6ANXNL2	XUB6BPXWL2	XUB6ANXWL2	XUN6ANXNL2	XUM4ANXBL2
			connector 4P	XUB6BNXNM12	XUB6ANXNM12	XUB6BPXWM12	XUB6ANXWM12	XUN6ANXNM12	XUM4ANXBM8
Background Suppression	0.3 m	PNP	cable	XUB8BPXNL2	XUB8APXNL2	0.15 m XUB8BPXWL2	XUB8APXWL2	XUN8APXNL2	0.3 m XUM8APXBL2
			connector 4P	XUB8BPXNM12	XUB8APXNM12	XUB8BPXWM12	XUB8APXWM12	XUN8APXNM12	XUM8APXBM8
			IO-Link	XUB8BPYNM12	XUB8APYNM12	XUB8BPYWM12	XUB8APYWM12	XUN8APYNM12	
		NPN	cable	XUB8BNXNL2	XUB8ANXNL2	XUB8BNXWL2	XUB8ANXWL2	XUN8ANXNL2	XUM8ANXBL2
			connector 4P	XUB8BNXNM12	XUB8ANXNM12	XUB8BNXWM12	XUB8ANXWM12	XUN8ANXNM12	XUM8ANXBM8
Polarized Reflex	7 m	PNP	cable	XUB9BPXNL2	XUB9APXNL2	5.5 m XUB9BNXWL2	XUB9APXWL2	XUN9APXNL2	8 m XUM9APXBL2
			connector 4P	XUB9BPXNM12	XUB9APXNM12	XUB9BNXWM12	XUB9APXWM12	XUN9APXNM12	XUM9APXBM8
			IO-Link	XUB9BPYNM12	XUB9APYNM12	XUB9BPYWM12	XUB9APYWM12	XUN9APYNM12	
		NPN	cable	XUB9BNXNL2	XUB9ANXNL2	XUB9BPXWL2	XUB9ANXWL2	XUN9ANXNL2	XUM9ANXBL2
			connector 4P	XUB9BNXNM12	XUB9ANXNM12	XUB9BPXWM12	XUB9ANXWM12	XUN9ANXNM12	XUM9ANXBM8
	Accessory: Reflector			XUZC50	XUZC50	XUZC50	XUZC50	XUZC50	XUZC50
Thru-beam receiver	30 m	PNP	cable	XUB2BPXNL2R	XUB2APXNL2R	17 m XUB2BNXWL2R	XUB2APXWL2R	XUN2APXNL2R	30 m XUM2APXBL2R
			connector 4P	XUB2BPXNM12R	XUB2APXNM12R	XUB2BNXWM12R	XUB2APXWM12R	XUN2APXNM12R	XUM2APXBM8R
			IO-Link	XUB2BPYNM12R	XUB2APYNM12R	XUB2BPYWM12R	XUB2APYWM12R	XUN2APYNM12R	
		NPN	cable	XUB2BNXNL2R	XUB2ANXNL2R	XUB2BPXWL2R	XUB2ANXWL2R	XUN2ANXNL2R	XUM2ANXBL2R
			connector 4P	XUB2BNXNM12R	XUB2ANXNM12R	XUB2BPXWM12R	XUB2ANXWM12R	XUN2ANXNM12R	XUM2ANXBM8R
	Transmitter		cable	XUB2BKXNL2T	XUB2BKXNL2T	XUB2BKXWL2T	XUB2AKXWL2T	XUN2AKXNL2T	XUM2AKXNL2T
			connector 4P	XUB2BKXNM12T	XUB2BKXNM12T	XUB2BKXWM12T	XUB2AKXWM12T	XUN2AKXNM12T	XUM2AKXNM12T
Thru-beam	30 m	PNP	cable	XUB2BPXNL2	XUB2APXNL2	17 m XUB2BPXWL2	XUB2APXWL2	XUN2APXNL2	30 m XUM2APXBL2
			connector 4P	XUB2BPXNM12	XUB2APXNM12	XUB2BPXWM12	XUB2APXWM12	XUN2APXNM12	XUM2APXBM8
			IO-Link	XUB2BPYNM12R	XUB2APYNM12R	XUB2BPYWM12R	XUB2APYWM12R	XUN2APYNM12	
		NPN	cable	XUB2BNXNL2	XUB2ANXNL2	XUB2BNXWL2	XUB2ANXWL2	XUN2ANXNL2	XUM2ANXBL2
			connector 4P	XUB2BNXNM12	XUB2ANXNM12	XUB2BNXWM12	XUB2ANXWM12	XUN2ANXNM12	XUM2ANXBM8

(T/R) (R) (T) Background suppression (BGS)

* Connector 4P M12 if the reference ends by 12 connector 4P M8 if the reference ends by 8

(1) = Straight
(2) = Angled

Multimode

Background suppression (BGS) Diffuse (D) Polarised reflex (P) Thru-beam (TB)

			Metal	Plastic	Plastic
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

Other fixings

Single bracket

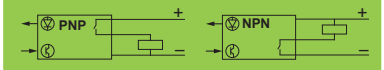
	standard	with ball joint
XUB	XUZA118 (stainless steel)	XUZA218 (plastic)
XUM	XUZA50	–
XUK	XUZA51	–
XUX	XUZX2000	–

Photo-electrics: XU Range

	Sensing distance				Compact 50x50 mm					Compact 92x71 mm
Diffuse	1 m	DC3	PNP	cable	XUK5APANL2	2.1 m	DC3	PNP	terminals	XUX5APANT16
(T/R)				connector 4P	XUK5APANM12				connector 4P	XUX5APANM12
			NPN	cable	XUK5ANANL2			NPN	terminals	XUX5ANANT16
				connector 4P	XUK5ANANM12				connector 4P	XUX5ANANM12
		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	XUK9APANL2	11 m	DC3	PNP	terminals	XUX9APANT16
(T/R)				connector 4P	XUK9APANM12				connector 4P	XUX9APANM12
			NPN	cable	XUK9ANANL2			NPN	terminals	XUX9ANANT16
				connector 4P	XUK9ANANM12				connector 4P	XUX9ANANM12
		AC/DC	Relay	cable	XUK9ARCNL2		AC/DC	Relay	terminals	XUX9ARCNT16
		Accessory: Reflector			XUZC50					XUZC50
Reflex	7 m	DC3	PNP	cable	XUK1APANL2	14 m	DC3	PNP	terminals	XUX1APANT16
(T/R)				connector 4P	XUK1APANM12				connector 4P	XUX1APANM12
			NPN	cable	XUK1ANANL2			NPN	terminals	XUX1ANANT16
				connector 4P	XUK1ANANM12				connector 4P	XUX1ANANM12
		AC/DC	Relay	cable	XUK1ARCNL2		AC/DC	Relay	terminals	XUX1ARCNT16
		Accessory: Reflector			XUZC50					XUZC50
Thru-beam	30 m	DC3	PNP	cable	XUK2APANL2R	40 m	DC3	PNP	terminals	XUX2APANT16R
(T) (R)				connector 4P	XUK2APANM12R				connector 4P	XUX2APANM12R
			NPN	cable	XUK2ANANL2R			NPN	terminals	XUX2ANANT16R
				connector 4P	XUK2ANANM12R				connector 4P	XUX2ANANM12R
		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

DC3 24 V



AC/DC Relay 24...240 V

M12		PUR pre wired connectors (female) (1) straight	elbowed	elbowed PNP LED
4 pin	2 m	XZCP1141L2	XZCP1241L2	XZCP1340L2
	5 m	XZCP1141L5	XZCP1241L5	XZCP1340L5
	10 m	XZCP1141L10	XZCP1241L10	XZCP1340L10

(1) For a PVC cable, add the letter V after the P. Example: XZCPpppppp become XZCPVpppppp

M12	Connectors (female) straight	elbowed
4 pin (2)	XZCC12FDM40B	XZCC12FCM40B
4 pin (3)	XZCC12FDP40B	XZCC12FCP40B

(2) Steel ring (3) Plastic ring

Photo-electrics applicative

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Choose — Body size & system: 1 (Sensing distance) 1 > 2 (Output wires: DC4) > 3 (Output function: NPN or PNP) > 4 (Connection: Cable or connector) > Reference

	Light type	Max. Sensing distance	Output type	Connection	Output function	Compact	Miniature	Sub-miniature
Color sensors								
	White	60 mm	DC5	PNP/NPN /IO-Link	M12 5-Pin	XUKCBSAYM12		
		150 mm				XUKCBLAYM12		
	RGB LED	15 mm	DC4	PNP/NPN/IO-Link	M8 4-Pin		XUMRACAYM8	
Color Mark Reader								
	RGB	15 mm	DC4	PNP/NPN/IO-Link	M8 4-Pin		XUMRAGAYM8	
					M12 4-Pin, 150 mm		XUMRAGAYP015	
		12 mm			M8 4-Pin		XUMRPGAYM8	
	White led	15 mm	DC4	PNP/NPN/IO-Link	M8 4-Pin		XUMRAWAYM8	
					M12 4-Pin, 150 mm		XUMRAWAYP015	
	Laser	250 mm	DC4	PNP/NPN/IO-Link	M8 4-Pin		XUM5ALAYM8	
					M12 4-Pin, 150 mm		XUM5ALAYP015	
					Cable, 2 m, 4-Wire		XUM5ALAYL2	
Transparent								
	Red light	2000 mm	DC4	PNP/NPN/IO-Link	M8 4-Pin		XUMTARAYM8	
					M12 4-Pin, 150 mm		XUMTARAYP015	
					Cable, 2 m, 4-Wire		XUMTARAYL2	
				PNP	M8 4-Pin		XUMTPRPXM8	
			Accessory: Reflector				XUZC50	XUZC50
	Blue light	50 mm	DC4	PNP	M8 4-Pin, 200 mm			XUT7ABPXP02
					Cable, 2 m, 4-Wire			XUT7ABPXL2
		100 mm	DC4	PNP	M8 4-Pin		XUM7ABPXM8	
					Cable, 2 m, 4-Wire		XUM7ABPXL2	
		100 mm	DC4	PNP/NPN/IO-Link	M8 4-Pin, 200 mm			XUT8ABAYP02
					Cable, 2 m, 4-Wire			XUT8ABAYL2
		200 mm	DC4	PNP/NPN/IO-Link	M8 4-Pin		XUM8ABAYM8	
					M12 4-Pin, 150 mm		XUM8ABAYP015	
		1200 mm	DC4	PNP	M12 4-Pin	XUK8ABPXM12		
Laser								
	Diffuse	250 mm	DC4	PNP/NPN/IO-Link	M8 4-Pin		XUM5ALAYM8	
					M12 4-Pin, 150 mm		XUM5ALAYP015	
					Cable, 2 m, 4-Wire		XUM5ALAYL2	
	BGS	100 mm	DC4	PNP/NPN/IO-Link	M8 4-Pin, 200 mm			XUT8ALAYP02
					Cable, 2 m, 4-Wire			XUT8ALAYL2
		150 mm	DC4	PNP/NPN/IO-Link	M8 4-Pin		XUM8ALAYM8	
					M12 4-Pin, 200 mm		XUM8ALAYP015	
					Cable, 2 m, 4-Wire		XUM8ALAYL2	
		200 mm		PNP	M8 4-Pin		XUM8PLPXM8	
	Reflex	15 000 mm	DC4	PNP/NPN/IO-Link	M8 4-Pin		XUM9ALAYM8	
					M12 4-Pin, 200 mm		XUM9ALAYP015	
				PNP/NPN/IO-Link	Cable, 2 m, 4-Wire		XUM9ALAYL2	
		12 000 mm		PNP	M8 4-Pin		XUM9PLPXM8	
		4000 mm	DC4		M8 4-Pin, 200 mm			XUT9ALPXP02
					Cable, 2 m, 4-Wire			XUT9ALPXL2
			Accessory: Reflector High precision				XUZC50HP	XUZC50HP
BSG Blue Light								
	Fixed	50 mm	DC4	PNP	M8 4-Pin, 200 mm			XUT7ABPXP02
					Cable, 2 m, 4-Wire			XUT7ABPXL2
		100 mm	DC4	PNP	M8 4-Pin		XUM7ABPXM8	
					Cable, 2 m, 4-Wire		XUM7ABPXL2	
	Teach	100 mm	DC4	PNP/NPN/IO-Link	M8 4-Pin, 200 mm			XUT8ABAYP02
					Cable, 2 m, 4-Wire			XUT8ABAYL2
		200 mm	DC4	PNP/NPN/IO-Link	M8 4-Pin		XUM8ABAYM8	
					M12 4-Pin, 150 mm		XUM8ABAYP015	
		1200 mm	DC4	PNP	M12 4-Pin	XUK8ABPXM12		

Accessories

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Reflectors

XZ (....) M8: Connector M8 4 pin

XZ (....) M12: Connector M12 4 pin

XUZC24 | XUZC80 | XUZC50 | XUZC50HP | XUZC100 | XUZC50CR

Cabling XU

M12		PUR pre wired connectors (female) (1) straight	elbowed	elbowed PNP LED
4 pin	2 m	XZCP1141L2	XZCP1241L2	XZCP1340L2
	5 m	XZCP1141L5	XZCP1241L5	XZCP1340L5
	10 m	XZCP1141L10	XZCP1241L10	XZCP1340L10

(1) For a PVC cable, add the letter V after the P.
Example: XZCP1141L2 become XZCPV1141L2 for a PVC version

Cabling XU

M8		PUR pre wired connectors (female) (1) straight	elbowed
4 pin	2 m	XZCP0941L2	XZCP1041L2
	5 m	XZCP0941L5	XZCP1041L5
	10 m	XZCP0941L10	XZCP1041L10

(1) For a PVC cable, add the letter V after the P.
Example: XZCP0941L2 become XZCPV0941L2

XUZARM

	Compatible with
Dovetail clamp	XUM*A*AYM8
Supplied with 2x M3 screws	XUM*A*AYP015
	XUM*A*AYL2
	XUM7ABPX**

XUZARS

	Compatible with
Dovetail clamp	XUT7ABPX**
Supplied with 2x M3 screws	XUT8A*AY**
	XUT9ABPX**

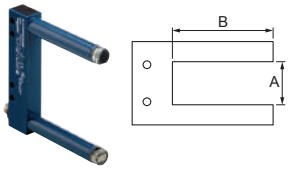
XUZARK

	Compatible with
Dovetail clamp	XUKCB*AYM12
Supplied with 1x M3 screws	XUK8ABPXM12

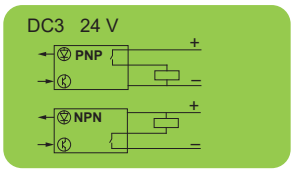
XUZASS

	Compatible with
Mounting bracket	XUT7ABPX**
Supplied with 2x M3 screws	XUT8A*AY**
	XUT9ABPX**

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	XUVR0605PANM8	XUVR0608PANM8	XUVR1212PANM8	XUVR1218PANM8
	NPN	M8 3 pin	XUVR0605NANM8	XUVR0608NANM8	XUVR1212NANM8	XUVR1218NANM8
Output function		NO	A	A	A	A
		NC	B	B	B	B



XX512A1**pp**M8: Connector M8 4 pin

XX512A2**pp**M8, XUVR**ppppppp**M8: Connector M8 3 pin

XX**ppppppp**M12: Connector M12 4 pin

Cabling XX & XUV

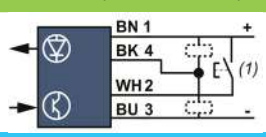
M8		PUR pre wired connectors (female) (1) straight	elbowed	elbowed PNP LED
3 pin	2 m	XZCP0566L2	XZCP0666L2	
	5 m	XZCP0566L5	XZCP0666L5	
	10 m	XZCP0566L10	XZCP0666L10	
4 pin	2 m	XZCP0941L2	XZCP1041L2	
	5 m	XZCP0941L5	XZCP1041L5	
	10 m	XZCP0941L10	XZCP1041L10	
M12				
4 pin	2 m	XZCP1141L2	XZCP1241L2	XZCP1340L2
	5 m	XZCP1141L5	XZCP1241L5	XZCP1340L5
	10 m	XZCP1141L10	XZCP1241L10	XZCP1340L10

M12		Connectors (female) straight	elbowed
(2)	4 pin	XZCC12FDM40B	XZCC12FCM40B
(3)	4 pin	XZCC12FDP40B	XZCC12FCP40B

(2) Steel ring (3) Plastic ring

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

(1) For a PVC cable, add the letter V after the P. Example: XZCPpppppp become XZCPVpppppp

	Push-Pull (PNP NO, NPN NC)	NPN (NO)	PNP (NO)
			
M12	XUVU04M3BL02M12	XUVU04M3NL02M12	XUVU04M3PL02M12
Cable	XUVU04M3BL2	XUVU04M3NL2	XUVU04M3PL2
M8	XUVU04M3BM8	XUVU04M3NM8	XUVU04M3PM8

(1) WH 2 connected to (+) : External Teach-in

Ultrasonics: XX Range

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

			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)	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				XXV18B1PAM12
		NPN		XX512A2NAM8		XX518A3NAM12				XXV18B1NAM12
NO or NC	DC3	PNP					XXS18P1PM12	XXS18B1PM12	XXS18S1PM12	
							XXA18P1PM12	XXA18B1PM12	XXA18S1PM12	
Analog		4...20 mA				XX918A3C2M12	XXS18P1AM12	XXS18B1AM12	XXS18S1AM12	
							XXA18P1AM12	XXA18B1AM12	XXA18S1AM12	
		0...10 V				XX918A3F1M12	XXS18P1VM12	XXS18B1VM12	XXS18S1VM12	
							XXA18P1VM12	XXA18B1VM12	XXA18S1VM12	

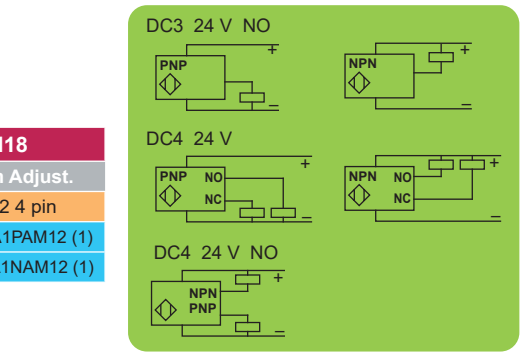
(1) Adjustable with XXZPB100 (2) Configurable with XXZBOX01 by software S = straight A = angled

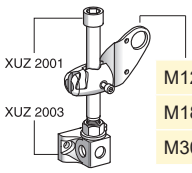
			M30 plastic (2)				M30 Brass (2)			M30 Stainless (2)		
Sensing distance			1 m Adjust. (1)	2 m Adjust. (1)	4 m Adjust. (1)	8 m Adjust. (3)	1 m Adjust. (1)	2 m Adjust. (1)	4 m Adjust. (1)	1 m Adjust. (1)	2 m Adjust. (1)	4 m Adjust. (1)
	Connectors		M12 5-pin	M12 5-pin	M12 5-pin	M12 5-pin	M12 5-pin	M12 5-pin	M12 5-pin	M12 5-pin	M12 5-pin	M12 5-pin
NO or NC	DC3	PNP	XXS30P1PM12	XXS30P2PM12	XXS30P4PM12		XXS30B1PM12	XXS30B2PM12	XXS30B4PM12	XXS30S1PM12	XXS30S2PM12	XXS30S4PM12
			XXA30P1PM12	XXA30P2PM12			XXA30B1PM12	XXA30B2PM12		XXA30S1PM12	XXA30S2PM12	
	DC4	2 x PNP				XXS30P8PPM12						
		2 x NPN				XXS30P8NNM12						
Analog	DC3	4...20mA	XXS30P1AM12	XXS30P2AM12	XXS30P4AM12		XXS30B1AM12	XXS30B2AM12	XXS30B4AM12	XXS30S1AM12	XXS30S2AM12	XXS30S4AM12
			XXA30P1AM12	XXA30P2AM12			XXA30B1AM12	XXA30B2AM12		XXA30S1AM12	XXA30S2AM12	
		0...10V	XXS30P1VM12	XXS30P2VM12	XXS30P4VM12		XXS30B1VM12	XXS30B2VM12	XXS30B4VM12	XXS30S1VM12	XXS30S2VM12	XXS30S4VM12
			XXA30P1VM12	XXA30P2VM12			XXA30B1VM12	XXA30B2VM12		XXA30S1VM12	XXA30S2VM12	
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

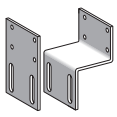
			Flat 7.6x19x33	Flat 16x30x74	Flat 60x30x18 + M18	
Sensing distance			0.1 m	0.25 m	0.5 m Adjust.	0.5 m Adjust.
	Connectors		M12 4 pin	M12 4 pin	M12 4 pin	M12 4 pin
NO	DC3	PNP	XX7F1A2PAL01M12	XX7K1A2PAM12		XX7V1A1PAM12 (1)
		NPN	XX7F1A2NAL01M12	XX7K1A2NAM12		XX7V1A1NAM12 (1)
Analog		4...20 mA			XX9V1A1C2M12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

(1) Adjustable with XXZPB100





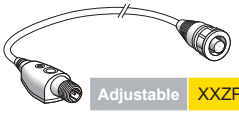
M12	XUZB2012
M18	XUZB2003
M30	XUZB2030



For XX7K

Flat	XXZ3074F
Cranked	XXZ3074S

M12	XXZ12
M18	XUZA118
M30	XXZ30
XX7F	XXZ1933



Adjustable	XXZPB100

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RFID Systems: XG Range

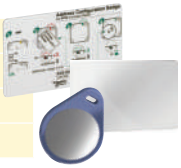
Choose : 1 Mounting type > 2 Dimensions > 3 Output or communication protocol > 4 Body type (color, LED, connector) > Reference

	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
Panel mounting (1)	XGCS491B201	XGCS49LB201	XGCS490B201

(1) compatible with ZB5AZ905 and XGSZCNFAC

	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		
Screw mounting	XGCS4901201	XGCS8901201	XGCS850C201

	XGSZCNFAC	Set of configuration badges
	XGSZCNF01	Configuration badge
	XGHB90E341	Pack of user's badges
Accessories	XGHBPB3345	Key fob tag



	XZCC12MDB50R	M12 connector
	XZCPV11V2L2/5/10	M12 pre-wired connector
	XZCPV12V2L2/5/10	M12 pre-wired connector

Note: For our complete range of sensor solutions, visit www.tesensors.com

IO-Link Master

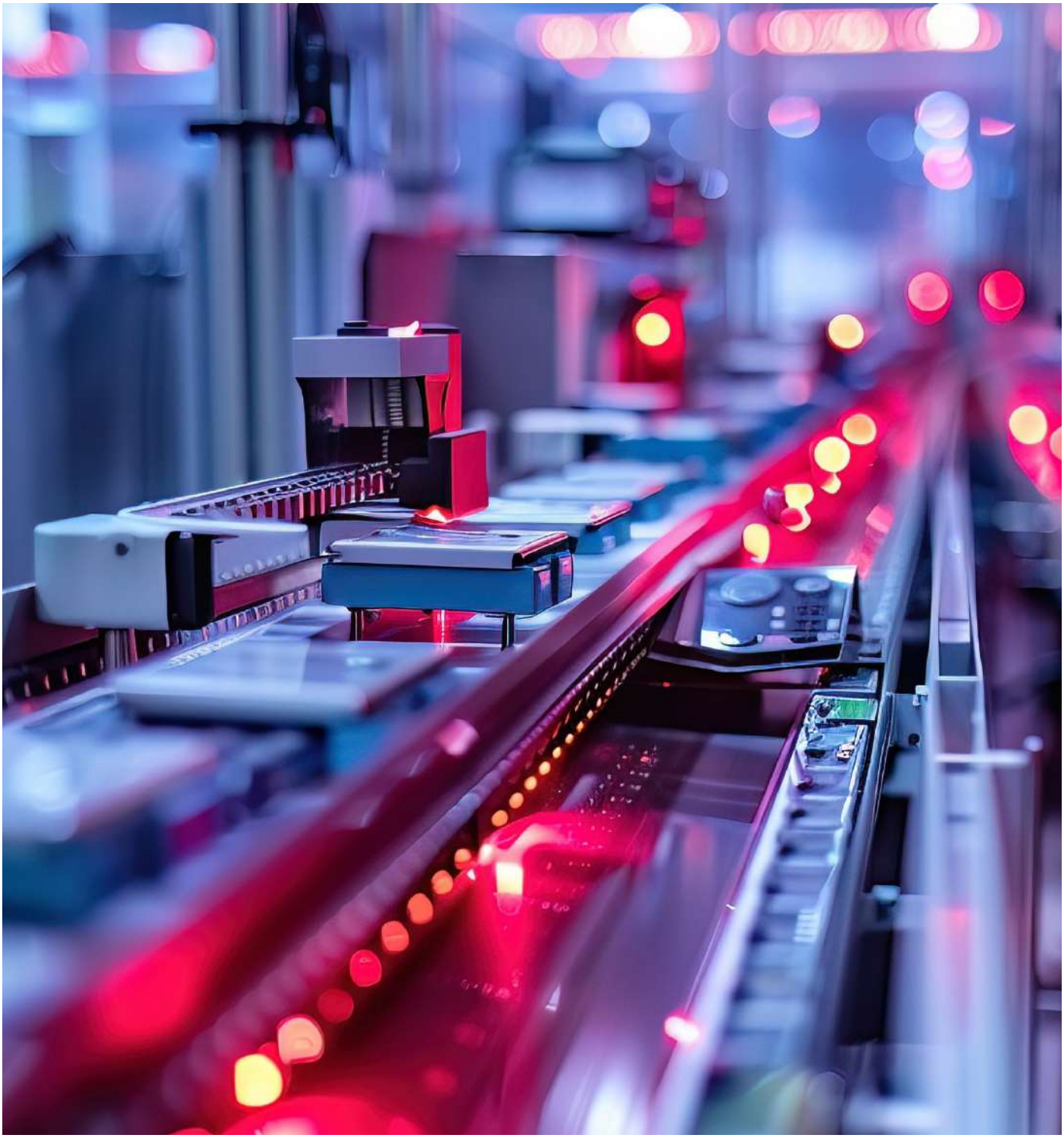
IO-Link Master devices	Reference	Protocol	Suply voltage	Number of ports	Port size	Dimension (mm) (H x W x D)	Temperature range (°C) / Degree of protection	Product certification
	XZIOM8AM12EY	EtherNet/IP	18..31,2 VDC	8 class A	M12	200 x 60 x 32	-25..+70 / IP67	CE - UKCA (1)
	XZIOM8AM12PY	ProfiNet						

(1) cULus comming soon

Power cables	Reference	Type of connector	End fittings	Lenght (m)	
	XZCPK75DL2	Female	5-pin (1+FE)	2	1.5 mm²
	XZCPK75DL5			5	1.5 mm²
	XZCPK75CL2			2	1.5 mm²
	XZCPK75CL5			5	1.5 mm²
	XZCR25K25DL2	Male/Female	M12 5-pin/M12 5-pin	2	1.5 mm²
	XZCR25K25DL5			5	1.5 mm²
	XZCR26K26CL2			2	1.5 mm²
	XZCR26K26CL5			5	1.5 mm²

Communication cables	Reference	Type of connector	Lenght (m)
	XGSZ12E4503	M12 D-coded to RJ45, straight/straight	3
	XGSZ12E4510		10
	XGSZ22E4503	Jumper M12/RJ45, straight/elbowed	3
	XGSZ22E4510		10

T-connector	Reference	Type of connector	End fittings
	TCSCTN011M11F	1 Male/2 Female	M12 5-pin/M12 5-pin



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