
RS Components

Your sensing guide

Panorama



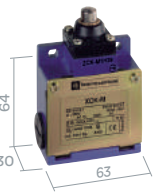
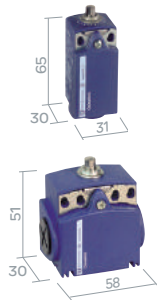
Limit switches: OsiSense XC	Page 2
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Simply easy!™

Limit switches: OsiSense XC



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

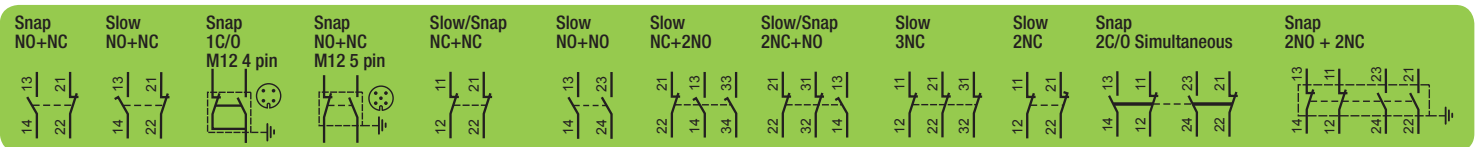


Model	Material	Contact	Connection	1	2	3	4	5	6	7	
XC KD	Metal	NO+NC Snap	M16	447-3480	447-3474	447-3496		447-3468	447-3519		
			M12 5P	814-7851	814-7848	814-7867		814-7845	814-7860	814-7879	
XC KP	Plastic	NO+NC Snap	M16	447-3418	447-3402	447-3430		609-6619	447-3395	447-3452	
			Pg11	700-4258	700-4254	700-4260		700-4169	700-4267	700-4166	
			M12 4P	814-7810	814-7804	814-7829		814-7801	814-7817	814-7835	
XC KT	Plastic	NO+NC Snap	M16	447-3525	447-3531	447-3553		283-555	447-3547	447-3569	
XC MD	Metal	NO+NC Snap	1 m	447-3834	447-3840	700-4157	700-4311	199-260	447-3878	283-577	
			NO+NC Slow	1 m		199-264			199-254	814-7794	
			NO+NC Snap	M12 5P		609-6625					814-7996
			1 C/O Snap	M12 4P	814-7797	609-6631	814-7790		814-8002		

Model	Material	Contact	Connection	1	2	3	4	5	6
XC KM	Metal	NO+NC Snap	M20	235-975	235-981	235-997		236-007	236-013
			Pg11	230-1923	700-4245	230-1951		230-1967	280-8799
XC KL	Metal	NO+NC Snap	CG	609-6546	609-6524	609-6568		609-6552	609-6530
XC KJ	Metal	NO+NC Snap	M20		235-931	700-4305	244-749	700-4309	700-4318
			Pg13	235-925		235-947	609-6518	235-953	235-969
			1/2NPT		814-7949	814-7933		814-7936	
			M12 5P						814-7930

(1) Plastic roller (2) Steel roller

Model	Material	Contact	Connection	1	2	3	Accessories
XC SA	Metal	NC+2NO Slow	M20	263-3595	263-3624	133-0083	252-3836
			Pg13	252-3757	397-2150	397-2166	252-3858
			1/2NPT	133-0084	700-4298	133-0086	
XC SPA	Plastic	NC+NO Slow	M16	296-4669	296-4675	132-9178	252-3870
			Pg11	252-3864	305-1966	132-9177	132-9180
			1/2NPT	700-4292	700-4302		



- 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 include

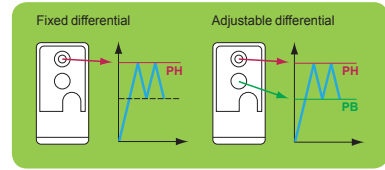
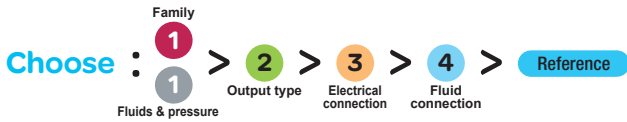
Cabling XC

PUR pre-wired connectors (female)*			Connectors (female)	
M12			M12	
4 pin	2 m	695-6946	straight	521-201
	5 m	612-2235	elbowed	695-6886
	10 m	695-6943	elbowed PNP LED	695-6883
5 pin	5 m	695-6861	straight	695-6895
			elbowed	695-6889

(1) Steel ring (2) Plastic ring

*PVC version available on www.rs-online.com

Pressure switches: OsiSense XM



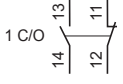
XMLA / XMLB Electromechanical

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
-1	-14.5		609-6984		361-3508	324-1030
2.5	36.3		609-6912			324-0992
4	58	361-3435	302-5822		361-3378	324-1002
10	145	361-3441	302-5838	609-6928	361-3384	324-1018
20	290	361-3457	302-5844		361-3390	324-1024
35	508		609-6934			609-7016

Hydraulic oils / Temp: up to 160°C

G 1/4 (female)

Bar	psi	ISO M20	Pg13	DIN connector	ISO M20	Pg13
1	14.5		609-6906			609-6990
70	1015	361-3407	324-0958	124-2130		609-7022
160	2320	361-3413	324-0964			609-7038
300	4350	361-3429	324-0986			609-7044
500	7250	752-2692	609-6962		752-2529	609-7050

XMLR Electronic + Display

Hydraulic oils, air, fresh water, refrigerant fluids

-20... +80°C

Analogue output

Analogue + switching output

2 switching outputs

PNP - NO/NC programmable

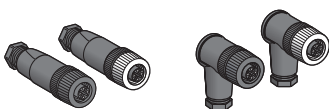
PNP - NO/NC prog.

M12 4 pin or 5 pin



G 1/4A (female)

Bar	psi	Analogue output	Analogue + switching output	2 switching outputs
-1	-14.5			124-2161
1	14.5	124-2152		
10	145	835-2835	835-2848	835-2845
16	232	124-2154		
40	580			835-2857
100	1450		124-2156	124-2157
250	3625		835-2860	124-2158
400	5800	124-2159	124-2160	835-2867
				835-2879



Cabling XM

Connectors (female)

PUR pre-wired connectors (female)*

	M12	straight	elbowed
(1)	4 pin	521-201	695-6886
(2)	4 pin	695-6895	695-6883
(1)	5 pin	695-6892	695-6889

	M12	straight	elbowed	elbowed PNP LED
(1)	4 pin	2 m	695-6946	695-6959
		5 m	612-2235	612-2257
		10 m	695-6943	695-6940

(1) Steel ring (2) Plastic ring

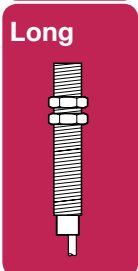
*PVC version available on www.rs-online.com

Inductives: OsiSense XS



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

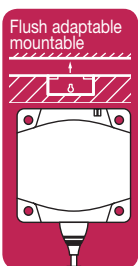
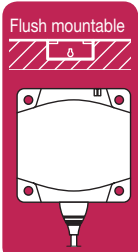
Body size
Sensing distance Output type Connection Output function



			M8		M12		M18		M30	
Sensing distance			1.5 mm	2.5 mm	2 mm	4 mm	5 mm	8 mm	10 mm	15 mm
DC3	PNP	cable	512-4448	695-6710	512-4482	695-6722	512-4511	695-6735	512-4561	695-6732
		connector	609-7347	695-6729	512-4498	695-6726	512-4533	695-6738	512-4577	695-6741
	NPN	cable	198-661		198-374		816-7621		816-7640	829-5102
		connector	816-3796		816-7615		816-7637		816-7334	
DC3	PNP	cable	700-1460	444-3243	700-1463	444-3265		444-3287	700-1479	444-3300
		connector	695-6744	444-3259	700-1467	444-3271	700-1476	444-3293	700-1473	444-3316
	NPN	cable		198-554		609-7353		695-6776		198-497
		connector	816-7596	695-6750		198-425	700-1476	198-532		816-7583
DC2	cable	512-4426		512-4454		512-4505		512-4555		
	connector	512-4432		512-4476		512-4549		512-4583		
AC/DC	cable				444-3322		444-3344		444-3366	
	connector				444-3338		444-3350		444-3388	

Accessories

M8	334-1720
M12	302-5850
M18	302-5872
M30	334-1758



			∅ 8x22x8 mm	∅ 15x32x8 mm	∅ 26x26x13 mm	∅ 40x40x15 mm	∅ 80x80x26 mm
Sensing distance			2.5 mm	5 mm	10 mm	15 mm	40 mm
DC3	PNP	cable		753-7023	753-6994		753-6969
		connector	753-7051			753-6840	
	NPN	cable		753-7013		753-6922	
		connector					
DC2	cable	816-3654	753-7007			816-7338	
	connector						

			∅ 26x26x13 mm	∅ 40x40x15 mm	∅ 80x80x26 mm
Sensing distance			15 mm	25 mm	60 mm
DC3	PNP	cable	444-3136	444-3164	444-3186
		connector	444-3142	444-3170	444-3192
	NPN	cable	753-6907	753-6868	
		connector			
AC/DC	cable		695-6791	695-6794	
	connector		695-6782	829-5108	

			Cubic	∅ 40x40x117 mm	20 mm	40 mm
DC4	PNP	NO+NC		772-9828	772-9843	
	NPN	NO+NC		772-9837	772-9846	
DC2		NO		772-9830	772-9840	
AC/DC		NO		772-9834	772-9859	

DC3 24 V

DC4 24 V

Accessories

For 40x40 447-4001 447-4017

AC/DC 24...240 V

DC2 24 V

	Connector M8 3 pin
	Connector M12 4 pin
	Connector 1/2" 3 pin

Cabling XS

PUR pre-wired connectors (female)*

M8	straight	elbowed	
3 pin	2 m	695-6912	695-6924
	5 m	695-6851	695-6855
	10 m	695-6918	695-6921
1/2"			
	3 pin	5 m	695-6873

PUR pre-wired connectors (female)*

M12	straight	elbowed	elbowed PNP LED	
4 pin	2 m	695-6946	695-6959	695-6956
	5 m	612-2235	612-2257	695-6965
	10 m	695-6943	695-6940	695-6952

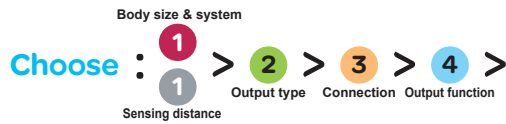
Connectors (female)

M12	straight	elbowed	
4 pin	(1)	521-201	695-6886
	(2)	695-6895	695-6883

(1) Steel ring (2) Plastic ring

*PVC version available on www.rs-online.com

Photo-electrics: OsiSense XU



Sensing distance		M18 metal		M18 plastic		Miniature		Compact 50x50 mm		Compact 92x71 mm								
	0.6 m	DC3	PNP	cable	283-533	609-0778	1 m	686-2227	1 m	DC3	PNP	cable	753-0261	2.1 m	DC3	PNP	terminals	753-0397
				connector 4P	695-6823	609-0784		connector 4P				695-6839	connector 4P				753-0387	
	0.1 m	DC3	PNP	cable	752-5039	752-5023		816-7558	NPN	cable	753-0258	NPN	terminals	753-0390				
				connector 4P	752-5051	752-5045		816-7552		connector 4P			connector 4P					
				connector 4P	695-6817	695-6811		AC/DC		Relay	cable		512-4662	AC/DC	Relay	terminals	695-6845	
				connector 4P	695-6820	695-6811												

Sensing distance		M18 metal		M18 plastic		Miniature		Compact 50x50 mm		Compact 92x71 mm								
	2 m	DC3	PNP	cable	752-5133	752-5124	5 m	686-2205	5 m	DC3	PNP	cable	753-0299	11 m	DC3	PNP	terminals	753-0422
				connector 4P	695-6827	752-5143		connector 4P				695-6833	connector 4P				753-0413	
	2 m	DC3	NPN	cable	752-5155	752-5146		816-7561	NPN	cable	753-0286	NPN	terminals					
				connector 4P	752-5155	752-5146		816-7564		connector 4P			connector 4P					
				connector 4P	281-1751	281-1751		281-1751		AC/DC	Relay		cable	512-4656	AC/DC	Relay	terminals	695-6849
				Accessory: Reflector	281-1751	281-1751		281-1751										

Sensing distance		M18 metal		M18 plastic		Miniature		Compact 50x50 mm		Compact 92x71 mm								
	4 m	DC3	PNP	cable	752-5231	198-469	7 m	686-2205	7 m	DC3	PNP	cable	744-1060	14 m	DC3	PNP	terminals	753-0476
				connector 4P	695-6805	695-6801		connector 4P				695-6836	connector 4P				753-0466	
	4 m	DC3	NPN	cable	752-5228	752-5212		816-7561	NPN	cable	753-0331	NPN	terminals	753-0479				
				connector 4P	752-5240	752-5234		816-7564		connector 4P			connector 4P					
				connector 4P	281-1751	281-1751		281-1751		AC/DC	Relay		cable	512-4640	AC/DC	Relay	terminals	609-0813
				Accessory: Reflector	281-1751	281-1751		281-1751										

Sensing distance		M18 metal		M18 plastic		Miniature		Compact 50x50 mm		Compact 92x71 mm								
	15 m	DC3	PNP	cable	752-5180	198-992	15 m	686-2220	30 m	DC3	PNP	cable	753-0315	40 m	DC3	PNP	terminals	
				connector 4P	752-5219	752-5193		connector 4P				753-0325	connector 4P					
	15 m	DC3	NPN	cable	752-5161	752-5196		816-7546	NPN	cable	753-0303	NPN	terminals					
				connector 4P	752-5196	752-5196		816-7555		connector 4P			connector 4P					
				connector 4P	695-6814	752-5060		686-2217		cable	744-1063		terminals	444-3603				
				Accessory: Transmitter	752-5067	198-952		686-2217		connector 4P	753-0274		connector 4P	444-3580				

Sensing distance		M18 metal		M18 plastic		Miniature		Compact 50x50 mm		Compact 92x71 mm								
	Background suppression (BGS)	DC3	PNP	cable	444-3445	444-3394	15 m	686-2220	30 m	DC3	PNP	cable	444-3524	40 m	DC3	PNP	terminals	444-3574
				connector 4P	444-3451	444-3401		connector 4P				444-3530	connector 4P				444-3568	
	Diffuse (D)	DC3	NPN	cable	752-5102	695-6798		662-6241	NPN	cable	455-4983	NPN	terminals	444-3619				
				connector 4P	752-5109	695-6808		753-0353		connector 4P			connector 4P					
				connector 4P	444-3467	444-3417		444-3502		DC	cable		444-3546	DC	terminals	444-3603		
				Accessory: Transmitter	444-3473	444-3423		444-3518		AC/DC	cable		444-3552	AC/DC	connector 4P	444-3580		

Reflectors

281-1739 281-1767 281-1751 324-1585

3D fixings with ball joint

Bracket with ball joint for sensors and reflector 281-1751

XUB 444-3631
XUM0 444-3647
XUK... 444-3669
XUX... 444-3675

Other fixings

Single bracket

standard with ball joint

XUB 609-0829 (stainless steel) 370-4317 (plastic)
XUK 512-4606
XUX 609-0835

DC3 24 V

AC/DC Relay 24...240 V

Cabling XU

M8		M12		M12			M12				
PUR pre-wired connectors (female)*		PUR pre-wired connectors (female)*		PUR pre-wired connectors (female)*			Connectors (female)				
straight		elbowed		straight	elbowed	elbowed PNP LED	straight	elbowed			
4 pin	2 m	695-6937	695-6934	4 pin	2 m	695-6946	695-6959	695-6956	4 pin (1)	521-201	695-6886
	5 m	695-6864	695-6867		5 m	612-2235	612-2257	695-6965	4 pin (2)	695-6895	695-6883
	10 m	695-6928	695-6930		10 m	695-6943	695-6940	695-6952			

(1) Steel ring (2) Plastic ring

*PVC version available on www.rs-online.com

Ultrasonic: OsiSense XX



Body size

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

Sensing distance

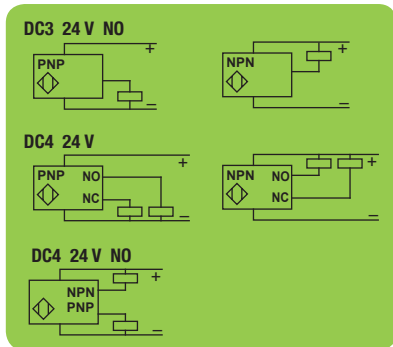
Output function

Output type

Connection

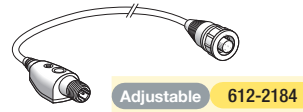
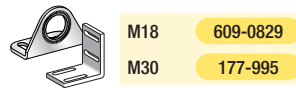
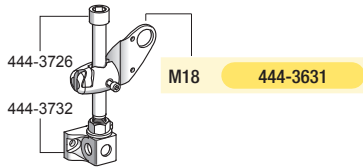
	M12		M18		M18 metal	M30		M30 stainless
Sensing distance	0.05 m	0.1 m	0.15 m	0.5 m Adjust.	0.05 m fixed	1 m Adjust.	8 m Adjust.	1 m Adjust.
Connectors/Cables	M8 4 pin	M8 3 pin	M12 4 pin	M12 4 pin	M12 4 pin	M12 4 pin	M12 4 pin	M12 4 pin
NO	DC4 PNP/NPN 753-0508	612-2241	283-599	612-2229 (1)	764-0605	695-6858	753-0551 (1)	
NO+NC	DC4 PNP					612-2106	612-2128	742-0827
Analogue	4...20 mA 0...10 V		753-0511 (1) 753-0517 (1)			753-0545 (1) 753-0542 (1)	612-2112 612-2162	742-0824

(1) Adjustable with 612-2184

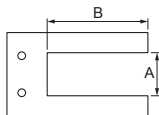


	Flat 7.6x19x33	Flat 60x30x18 + M18
Sensing distance	0.1 m	0.5 m Adjust.
Connectors	M12 4 pin	M12 4 pin
NO	DC3 PNP 612-2156	612-2190 (1)

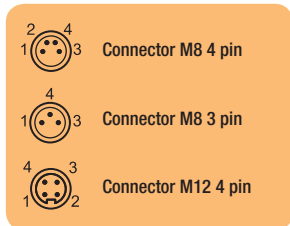
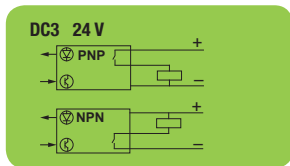
(1) Adjustable with 612-2184



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	695-6968	695-6978	695-6993	695-7006		
	NPN	M8 3 pin		695-6987		695-7000		



Cabling XX & XUV

M8	PUR pre-wired connectors (female)*			Connectors (female)		
	straight	elbowed	elbowed PNP LED	M12 straight	M12 elbowed	
3 pin	2 m	695-6912	695-6924	(1) 4 pin	521-201	695-6886
	5 m	695-6851	695-6855	(2) 4 pin	695-6895	695-6883
	10 m	695-6918	695-6921	(1) Steel ring (2) Plastic ring		
4 pin	2 m	695-6937	695-6934			
	5 m	695-6864	695-6867			
	10 m	695-6928	695-6930			
M12				Connectors (male)		
				M12 straight	M12 elbowed	
	4 pin	2 m	695-6946	695-6959	695-6956	
	5 m	612-2235	612-2257	695-6965		
	10 m	695-6943	695-6940	695-6952		
				4 pin	695-6902	695-6899
				5 pin	695-6906	695-6909

*PVC version available on www.rs-online.com

RS Components

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