Discover
Telemecanique Sensors

Simplify your project with the right technology and expert service for any job.

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Making Sense of Sensors

Choose Telemecanique Sensors and simplify your project with the right technology and expert service for any job.

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

Focused on 3 core values – Simplicity, Proximity and Expertise – Telemecanique have become experts in factory automation sensors as well as specialists in demanding applications, making customers lives “simply easy!”.

RS Components stocks a full range of **Telemecanique sensors** to satisfy any application from factory to process automation, from RFID to load cell.

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Telemecanique Sensors

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OsiSense XS non-flush inductive sensors

Increased sensing capacity in a compact, robust design

OsiSense™ XS non-flush inductive sensors deliver the first E2-certified general purpose range on the market. The result? Superior electromagnetic field immunity in a smaller package.

Greater sensing distance and detection capacity
OsiSense XS provides flexible setup and reliable performance — even in the harshest environments.

Compact and easy to integrate
Choose from two short-body sizes (12 mm and 18 mm) or the renewed 30 mm sensors.

Whether for mobile equipment, material handling, packaging, automatic assembly, escalators, or other demanding applications, you can count on OsiSense XS.

Simply easy!™

Telemecanique Sensors

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XCSA Safety Interlock Switches

- 3 positive opening contacts as standard (on guard opening)
- A key operated lock enables positive locking of the guard
- Optional version with orange LED to indicate guard open/closed

263-3595	1NC + 2NO	XCSA502
397-2166	3NC	XCSA801
252-3858	Flexible actuator	XCSZ03

XCSPA Miniature Safety Interlock Switches

- 2 positive opening contacts as standard, on guard opening
- Head rotates in 90° steps giving 8 actuator entry points
- Minimum operating force for positive opening: 15N

252-3864	1NO+NC	XCSPA591
296-4675	2N/C	XCSPA792
252-3870	Straight actuator	XCSZ11
252-3886	T actuator	XCSZ12

Preventa XCS-DMP Magnetic Safety Switches

- Actuation on 3 sides: face to face and face to side
- 8mm tolerance to misalignment (5mm for XCS-DMC)
- Coded reed technology - switch cannot be totally defeated by a simple magnet

422-5095	2 NC + 1 NO - 1 NC staggered - 2m	XCSDMP7002
422-5089	1 NC + 2 NO - 1 NO staggered - 2m	XCSDMP5012

XY2-CE Cable Switch

- Emergency stop trip wire switch designed to reduce the risk of injury to persons and damage either to machines or work in progress
- They can be tripped by a single human action when a normal emergency stop function is not available and will also trip in the event of the trip wire breaking

742-3829	Right Side, 50m, 2NO/2NC	XY2CE1A296

XY2-CH Cable Switch

- For machine tools, conveyers & handling applications
- Recommended distance between cable supports: 5m
- Built-in turnbuckle accessory
- Pushbutton reset

742-3924	Straight, 15m, 2NC	XY2CH13270H29

XY2CZ105 Rope Pull Cable

- Cables galvanised with a red sheath o support the Preventa XY2C rope pull switches

609-1945	50m	XY2CZ105

XCS-DMR Cylindrical safety switch

- 1 approach direction
- 8mm tolerance to misalignment
- Coded reed technology - switch cannot be totally defeated by a simple magnet
- Cylindrical plastic housing

766-1703	5m, 2NO 1NO	XCSDMR7915

XCS-E Solenoid Interlock Switches

- Key operated lock to allow authorised override of solenoid (key supplied)
- 2 LED indicators (orange/guard open, green/guard closed, key in locked position)
- Heavy duty metal compact style to IP67
- Turret heads can be rotated through 360° in 90 steps

263-3725	2NO + 1NC	XCSE5312
263-3753	2NC+1NO	XCSE7312

Preventa XCS Safety Rotating Hinge Switch

- Ideal for light industrial machines fitted with hinged or rotary protective covers with small opening radius e.g. double gate guards
- 2 outputs
- 5° displaced tripping angle
- 4 position turret head

360-4403	2NC, M16 × 1.5	XCSPR752

Osiconcept XUK Through Beam photoelectric sensor

- Four modes of detection in one unit
- Easy set-up at the touch of a button
- Self teach precise set-up 'multi-mode detection'

444-3530	30m PNP M12 conn	XUK0AKSAM12

OsiSense XU Retro-reflective Photoelectric Sensor

- Service alarm output
- Sensing distance 7000 mm
- Response time 25ms
- LED alignment and output indicators

512-4640	7m, Compact 50 × 50	XUK1ARCNL2

Osiris XUX Long Distance Photoelectric Sensors

- Four modes of detection in one unit
- Easy set-up at the touch of a button
- Self teach precise set-up 'multi-mode detection

444-3619	Diffuse, Retro-Reflective, Through Beam (Receiver)	XUX0ARCTT16
444-3625	Through Beam (Emitter)	XUX0ARCTT16T

XUB Optimum cylindrical diffuse photoelectric sensor

- M18 Optimum cylindrical sensors in metallic casing
- For use in DC circuit applications. Solid-state PNP transistor output (NO or NC)
- Supply Voltage 10 → 24 Vdc

695-6823	M18, 0.6M, PNP NO	XUB5BPANM12

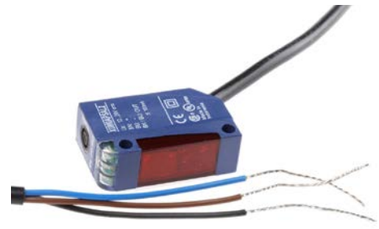
XUB Osiconcept photo-electric sensor

- Four modes of detection in one unit
- Easy set-up at the touch of a button
- Self teach precise set-up multi-mode detection
- Sensing distance dependent on mode of operation

444-3445	Retro-Reflective, Through Beam (Receiver)	XUB0BPSNL2

OsiSense XUM Miniature Photoelectric Detector

- Four modes of detection in one unit
- Easy set-up at the touch of a button
- Self teach precise set-up multi-mode detection
- Sensing distance dependent on mode of operation



444-3489	Multimode, 10m PNP	XUM0APSAL2

Osiris XUB Osiconcept photo-electric sensor

- Four modes of detection in one unit
- Easy set-up at the touch of a button
- Self teach precise set-up
- Sensing distance dependent on mode of operation

444-3401	Barrel, M18 PNP	XUB0APSNM12

Reflectors For Use With XU Series

- A range of Telemecanique square reflectors for use with the OsiSense XU series of Photoelectric sensors

324-1585	100 × 100mm	XUZC100
281-1767	80mm dia	XUZC80
281-1751	50 × 50mm	XUZC50

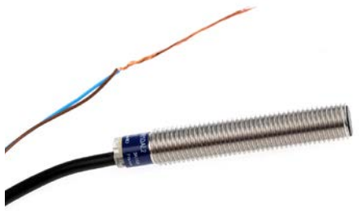
OsiSense XX Cylindrical Ultrasonic Sensor

- IP67 rated
- M18 cylindrical body
- 4 to 20 mA analogue output
- Precise object detection of any material

753-0511	M18, 4-20mA - 0.5m	XX918A3C2M12

Osi Optimum Proximity Sensors

- Flush-mountable inductive proximity sensors, designed for essential and repetitive applications
- 2m cable pre-wired versions (IP68 sealed)



512-4426	1.5mm, M8 × 1, NO	XS508B1DAL2
444-3243	2.5mm M8 × 1, PNP	XS608B1PAL2

OsiSense XS 4mm Inductive proximity sensors

- Twice nominal sensing distance
- Flush mount
- Fast switching frequency
- 2 & 3 wire controlled devices

695-6766	M12 × 1, NC	XS612B1MBL2
444-3322	M12 × 1, NO	XS612B1MAL2
444-3265	M12 × 1, PNP	XS612B1PAL2

OsiSense XS 8mm Inductive proximity sensors

- 2 & 3 wire controlled devices
- LED status display
- Operating temperature range: -25 → +70° C
- Reverse polarity and short circuit protection (dc types only)

609-7369	M18 × 1, NC	XS618B1MBL2
444-3344	M18 × 1, NO	XS618B1MAL2
444-3287	M18 × 1, PNP	XS618B1PAL2

OsiSense XS 8mm Inductive proximity sensor

- 2 & 3 wire controlled devices
- LED status display
- Operating temperature range: -25 → +70° C
- Reverse polarity and short circuit protection (dc types only)

444-3293	M18 × 1, PNP	XS618B1PAM12

Osiprox Inductive Proximity Sensor

- Flat format
- Flush or non flush mountable versions
- LED status display
- Operating temperature range -25 to +70° C

444-3192	PNP Non-Flush Mount	XS8D1A1PAM12

OsiSense XS Cylindrical M30 Inductive proximity sensor

- Adjustment of speed threshold by potentiometer
- 120 to 3000 impulses/minute (High speed types)
- 6 to 150 impulses/minute (Low speed types)
- LED status display

283-482	15mm, NC	XS630B1MBL2
608-5748	10mm, NC	XSAV11801
281-1442	10mm, NO	XSAV12801
444-3366	15mm, NO	XS630B1MAL2

OsiSense XS 4mm Inductive Sensor

- Twice nominal sensing distance
- Flush mount
- Fast switching frequency
- 2 & 3 wire controlled devices

444-3271	4mm, PNP	XS612B1PAM12

OsiSense XS 15mm Inductive Sensor

- 2 & 3 wire controlled devices
- LED status display
- Operating temperature range: -25 → +70° C
- Reverse polarity and short circuit protection

444-3316	15mm, PNP	XS630B1PAM12

5m Female Cable & Connector

- Accessories for use with Telemecanique Osisonic Ultrasonic Sensors

612-2235	M12 4 Pin Straight	XZCP1141L5

XCKJ Snap Action Lever Limit Switch

- Rated 240V 3A at AC15 10A Ith
- Snap action NC contacts with positive opening operation
- Comes with a pre-tapped ½" NPT cable gland entry

700-4309	NO/NC, 240V	XCKJ10541H29

XCKM Roller Plunger Limit switch

- 1 N/O (aux) and 1 N/C (safety) contacts
- Rating: 240 Vac, 3A
- Protected to IP65

235-981	NO/NC, 240V	XCKM102H29

XC Plunger Snap Action Limit Switch

- Visible operation
- Precise operating points
- Double insulation
- 1 NO and 1 NC contact

447-3840	NO/NC, 240V	XCMD2102L1

XCKP Snap Action Limit Switches

- Visible operation
- Precise operating points
- Double insulation
- 1 NO and 1 NC contact

447-3418	Metal end plunger	XCKP2110P16
447-3395	Roller lever	XCKP2118P16
447-3430	Horizontal plunger	XCKP2121P16

XCKS Snap Action Limit Switches

- Rated 240V 3A at AC15 10A Ith
- Snap action NC contacts with positive opening operation
- -25 to +70°C operating temperature
- Protected to IP66

243-780	Roller plunger actuator	XCKS102H29
236-029	Roller lever actuator	XCKS131H29

ZCKJ Snap Action Limit Switch Body

- Limit Switch Body
- Silver plated contacts with snap action
- 2 Poles
- Durable and strong housing

700-4324	2NO/2NC, 240V	ZCKJ2H29
360-8433	NO/NC, 240V	ZCKJ11H29

ZCKM Snap Action Limit Switch

- 1 N/O (aux) and 1 N/C (safety) contacts
- Rating: 240 Vac, 3A
- Protected to IP65

360-8562	NO/NC, 240V	ZCKM1H29

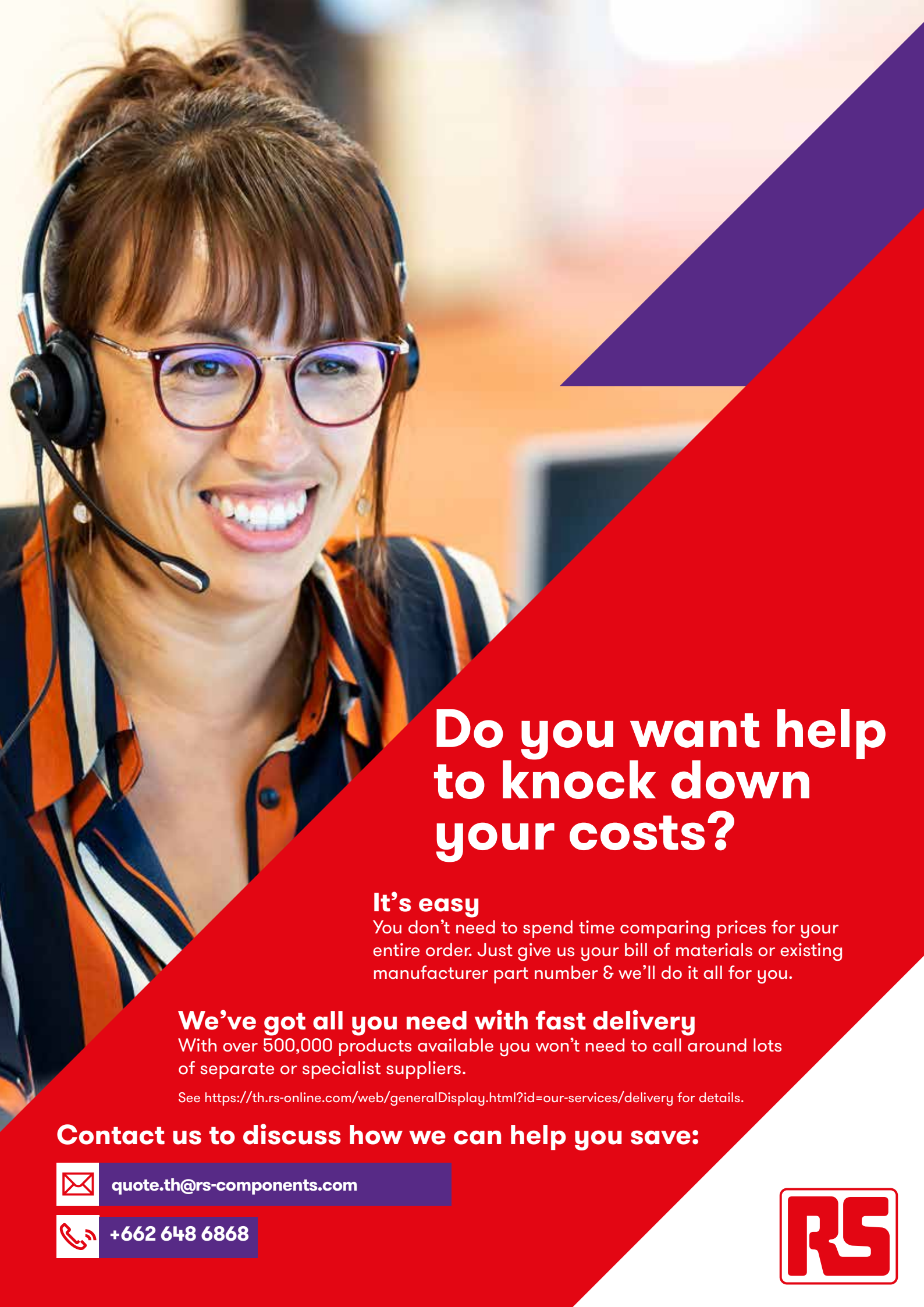
Contact Block

- Contact Blocks for XCKJ/XCKM/ XCKS Limit Switch Ranges

360-8685	NO/NC, 240V	XE2SP2151

Limit switch heads

360-8629	Steel roller plunger	ZCKD02
360-8663	Plastic horizontal roller plunger	ZCKD21
360-8506	Steel roller plunger reinforced	ZCKE67
360-8641	Plastic roller lever	ZCKD15



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