



# NEWS

## TRANSPARENT OBJECTS

- ✓ PHOTOELECTRIC TRU-C23: UV LIGHT
- ✓ PHOTOELECTRIC TRR-C23: RED LIGHT

PHOTOELECTRIC INNOVATION 1996-2016

DETECTION & MEASUREMENT LIGHT GRIDS

INDUCTIVE C44 WITH IO-LINK

ULTRASONIC WITH IO-LINK

NEW CONTRINEX WEBSITE

NEW HQ BUILDING



## NEW BENCHMARK IN TRANSPARENT OBJECT DETECTION

 **IO-Link** Easy to adjust and extremely reliable due to patented technology with UV light

A  
Swiss  
Company





# PHOTOELECTRIC C23 TRANSPARENT

## CLEAR REVOLUTION

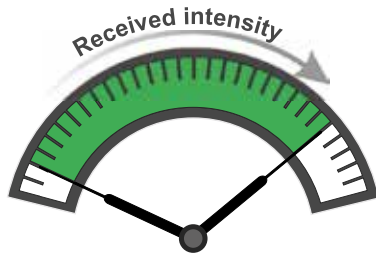
Unique range of sensors with UV light or visible red light



### NEW BENCHMARK IN TRANSPARENT OBJECT DETECTION

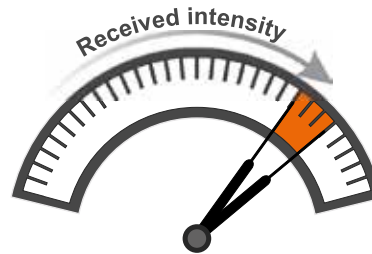
With patented technology and a polarized UV light source, the TRU-C23 photoelectric sensor series is a revolution in transparent object detection. Since clear plastic and glass readily absorb UV light, reliable switching is easily achieved, even for very small objects or thin films. Thanks to this technology, detection is largely insensitive to dust, water droplets, splashes and aging. In addition, there is no risk of multiple detection, even for objects with complex shapes.

#### New Contrinex patented UV technology



UV light intensity is greatly reduced by transparent target material, resulting in important received light intensity loss when a transparent object is in the light path. This makes detection extremely reliable and adjustment easy.

#### Conventional technology



Light intensity is only slightly reduced by transparent target material. Fine adjustment is critical and detection can be unreliable.

#### Your advantages

- ✓ Extremely reliable detection thanks to strong absorption of UV light by plastic and glass material
- ✓ Easy sensor set-up, even for thinnest transparent objects
- ✓ Low environmental sensitivity minimizes threshold adjustments and maximizes uptime
- ✓ Autocollimated, polarized UV light beam eliminates blind zone, allowing detection of targets close to the sensor or through a small notch
- ✓ Operating range up to 1000 mm
- ✓ Adjustment by teach button or IO-Link
- ✓ Cross-talk immunity
- ✓ IP67, Ecolab



*Outstandingly reliable detection of thin films*



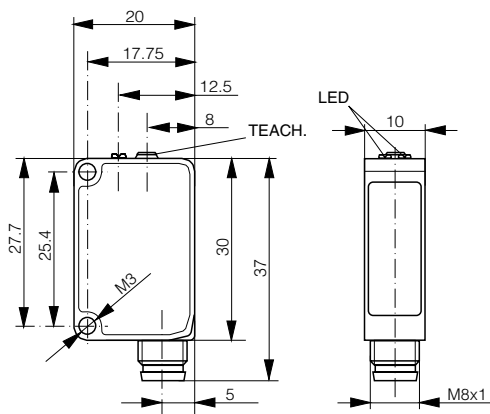
*Ideal for detection of highly transparent glass*



*Suitable for food industry with Ecolab approval and remote sensitivity setting via IO-Link*

# Use IO-Link

Universal · Smart · Easy

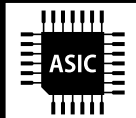


NEW		TRANSPARENT OBJECT DETECTION, UV TECHNOLOGY			
PART REFERENCE	ART. NO.	SENSING RANGE	ADJUSTMENT	OUTPUT	CONNECTION
TRU-C23PA-TMK-603	620-600-312	1000 mm	Teach or IO-Link	PNP, Light-ON + Dark-ON	Cable
TRU-C23PA-TMK-60D	620-600-313	1000 mm	Teach or IO-Link	PNP, Dark-ON + Stability alarm	Cable
TRU-C23PA-TMK-101	620-600-314	1000 mm	Teach	NPN, Light-ON + Dark-ON	Cable
TRU-C23PA-TMK-10B	620-600-315	1000 mm	Teach	NPN, Dark-ON + Stability alarm	Cable
TRU-C23PA-TMS-603	620-600-316	1000 mm	Teach or IO-Link	PNP, Light-ON + Dark-ON	Connector
TRU-C23PA-TMS-60D	620-600-317	1000 mm	Teach or IO-Link	PNP, Dark-ON + Stability alarm	Connector
TRU-C23PA-TMS-101	620-600-318	1000 mm	Teach	NPN, Light-ON + Dark-ON	Connector
TRU-C23PA-TMS-10B	620-600-319	1000 mm	Teach	NPN, Dark-ON + Stability alarm	Connector

## ACCESSORIES

### REFLECTORS FOR UV TECHNOLOGY

PART REFERENCE	ART. NO.	SIZE
LXU-0000-025	605-000-306	Ø 25 mm
LXU-0000-084	605-000-307	Ø 82 mm
LXU-0001-064	605-000-308	61 mm x 40 mm
LXU-0001-032	605-000-309	32 mm x 20 mm



## TRR-C23 WITH RED LIGHT

### VISIBLE DETECTION OF TRANSPARENT OBJECTS

For detecting ordinary transparent objects, the TRR-C23 photoelectric sensor is a cost-efficient and reliable solution. Proven reflex sensor technology ensures easy adjustment, long operating distances and high reliability. Precise adjustment is possible thanks to the small hysteresis. Teach-adjustable types include an IO-Link interface at no extra charge. Types with potentiometer adjustment are also available. The industry-standard, robust plastic housing is compatible with all C23 mounting accessories.

#### Your advantages

- ✓ Polarized, visible red light
- ✓ Operating range up to 2500 mm
- ✓ Small hysteresis for precise adjustment by potentiometer, teach or remotely via IO-Link
- ✓ Cross-talk immunity
- ✓ IP67, Ecolab

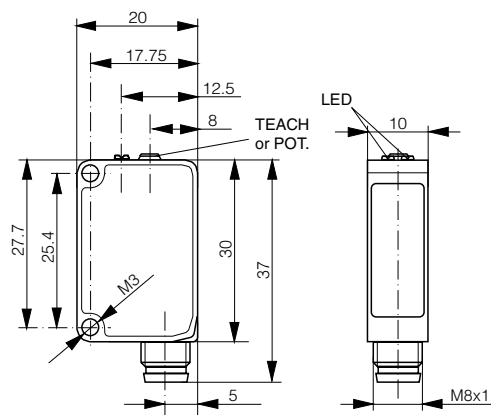


## APPLICATION: BEVERAGE INDUSTRY

TRR-C23 photoelectric sensors check the presence of beverage bottles, using visible red light to simplify adjustment. Sensors are Ecolab approved for food & beverage cleaning processes. The IO-Link interface offers a wide range of remote functions at no extra charge.

- Cost-efficient, reliable detection
- Fast, easy installation with reflector
- Easy adjustment with visible red light
- IP 67 protection rating, Ecolab approval
- Remote functions via IO-Link





NEW		TRANSPARENT OBJECT DETECTION, VISIBLE RED LIGHT			
PART REFERENCE	ART. NO.	SENSING RANGE	ADJUSTMENT	OUTPUT	CONNECTION
TRR-C23PA-TMK-603	620-600-296	2500 mm	Teach or IO-Link	PNP, Light-ON + Dark-ON	Cable
TRR-C23PA-TMK-60D	620-600-297	2500 mm	Teach or IO-Link	PNP, Dark-ON + Stability alarm	Cable
TRR-C23PA-TMK-101	620-600-298	2500 mm	Teach	NPN, Light-ON + Dark-ON	Cable
TRR-C23PA-TMK-10B	620-600-299	2500 mm	Teach	NPN, Dark-ON + Stability alarm	Cable
TRR-C23PA-TMS-603	620-600-300	2500 mm	Teach or IO-Link	PNP, Light-ON + Dark-ON	Connector
TRR-C23PA-TMS-60D	620-600-301	2500 mm	Teach or IO-Link	PNP, Dark-ON + Stability alarm	Connector
TRR-C23PA-TMS-101	620-600-302	2500 mm	Teach	NPN, Light-ON + Dark-ON	Connector
TRR-C23PA-TMS-10B	620-600-303	2500 mm	Teach	NPN, Dark-ON + Stability alarm	Connector
TRR-C23PA-PMK-603	620-600-304	2500 mm	Potentiometer	PNP, Light-ON + Dark-ON	Cable
TRR-C23PA-PMK-60D	620-600-305	2500 mm	Potentiometer	PNP, Dark-ON + Stability alarm	Cable
TRR-C23PA-PMK-101	620-600-306	2500 mm	Potentiometer	NPN, Light-ON + Dark-ON	Cable
TRR-C23PA-PMK-10B	620-600-307	2500 mm	Potentiometer	NPN, Dark-ON + Stability alarm	Cable
TRR-C23PA-PMS-603	620-600-308	2500 mm	Potentiometer	PNP, Light-ON + Dark-ON	Connector
TRR-C23PA-PMS-60D	620-600-309	2500 mm	Potentiometer	PNP, Dark-ON + Stability alarm	Connector
TRR-C23PA-PMS-101	620-600-310	2500 mm	Potentiometer	NPN, Light-ON + Dark-ON	Connector
TRR-C23PA-PMS-10B	620-600-311	2500 mm	Potentiometer	NPN, Dark-ON + Stability alarm	Connector









## **LIGHT GRIDS** **FAST DETECTION, COUNTING AND MEASUREMENT**

Infrared scanning for presence detection  
and dimensional control

## DETECTION GRIDS

Two new ranges of infrared light grids offer solutions for presence detection and dimensional control.

### FAST COUNTING OF SMALLEST OBJECTS

Contrinex detection grids use a dense network of light beams to scan the detection area in several directions. Speed and resolution are exceptionally high, which makes them ideal for controlling and counting items ejected from molds or output from other processes.

- ✓ Fast response time 0.8 ms ... 4.8 ms
- ✓ Ideal for detection and counting of objects, even the smallest
- ✓ Resolution: 0.9 mm, 2 mm, 4 mm, 8 mm or 25 mm
- ✓ Detection height: up to 2010 mm

### Typical applications

- Production of small parts or foil
- Packaging
- Pharmaceutical industry
- Woodworking industry



## MEASUREMENT GRIDS

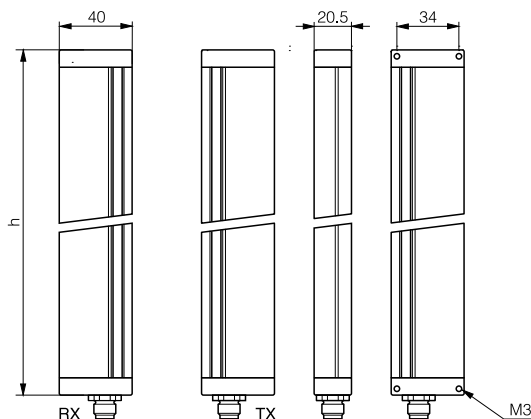
Contrinex measurement grids use a grid of light beams to detect the presence of objects and simultaneously measure their dimension or position. Installation and alignment are fast and easy.

- ✓ Resolution: 5 mm or 12 mm
- ✓ Analog output 0-10 V or 4-20 mA
- ✓ Measurement height: up to 1438 mm

### Typical applications

- Logistics
- Automated packaging equipment
- Warehousing
- Woodworking industry





**NEW**

## DETECTION LIGHT GRIDS

PART REFERENCE	ART. NO.	RESOLUTION (mm)	HEIGHT h (mm)	DETECTION RANGE (mm)	RESPONSE TIME (ms)
DGI-01A-0075-PMS-107	605-000-729	0.9	100	100 ... 400	1.2
DGI-01A-0155-PMS-107	605-000-730	0.9	180	150 ... 400	1.9
DGI-02A-0075-PMS-107	605-000-731	2	100	80 ... 800	0.8
DGI-02A-0155-PMS-107	605-000-732	2	180	150 ... 800	1.2
DGI-04A-0075-NMS-107	605-000-733	4	100	80 ... 800	0.8
DGI-04A-0155-NMS-107	605-000-734	4	180	150 ... 800	0.8
DGI-08A-0190-NMS-107	605-000-735	8	212	300 ... 4000	1.9
DGI-08A-0480-NMS-107	605-000-736	8	500	300 ... 4000	4.8
DGI-25A-0480-NMS-107	605-000-737	25	500	300 ... 8000	0.8
DGI-25A-0960-NMS-107	605-000-738	25	980	300 ... 8000	2.1
DGI-25A-2010-NMS-107	605-000-739	25	2036	300 ... 8000	4.8

**NEW**

## MEASUREMENT LIGHT GRIDS

PART REFERENCE	ART. NO.	CENTER BEAM SPACING (mm)	HEIGHT h (mm)	MEASUREMENT RANGE (mm)	RESPONSE TIME (ms)
MGI-05A-0232-NMS-149	605-000-740	5	260	4000	4
MGI-05A-0472-NMS-149	605-000-741	5	500	4000	7
MGI-05A-0952-NMS-149	605-000-742	5	980	4000	14
MGI-12A-0458-NMS-149	605-000-743	12	500	4000	3
MGI-12A-0938-NMS-149	605-000-744	12	980	4000	6
MGI-12A-1418-NMS-149	605-000-745	12	1460	4000	9





# PHOTOELECTRIC SENSORS: 20 YEARS OF INNOVATION

Ø4 MM AND M5

START  
1996

Contrinex, already a market leader for inductive sensors, launches the world's first self-contained photoelectric sensors in Ø4 mm and M5 sizes.

- ✓ Still the smallest on the market

COLOR

2009

Color sensor (40 mm x 50 mm x 15 mm) for reliable detection of fine color variations.

- ✓ 3 color-teach channels
- ✓ 5 tolerance levels

CONTRAST

2013

Contrast sensor with IO-Link interface (40 mm x 50 mm x 15 mm).

- ✓ Best emission color automatically selected
- ✓ 5 tolerance levels
- ✓ IO-Link

C23

TRANSPARENT OBJECT DETECTION WITH UV TECHNOLOGY

M18



2014

2016

C23 family (20 mm x 30 mm x 10 mm) with new generation Contrinex ASIC.

- ✓ Best on the market with IO-Link
- ✓ Ecolab approved

M18P family in short plastic housing (cable type: 18 x 33 mm, connector type: 18 x 37 mm).

- ✓ Long range
- ✓ IO-Link interface as standard
- ✓ Ecolab approved

TRU-C23 with UV light and TRR-C23 with visible red light for transparent object detection.

- ✓ Revolutionary UV technology
- ✓ IO-Link interface as standard
- ✓ Ecolab approved







## INDUCTIVE BASIC C44: WHEN FLEXIBILITY MEETS LONG DISTANCE

Highly impervious, rotatable sensors with easy mounting

## C44: HIGHLY IMPERVIOUS, ROTATABLE SENSORS WITH EASY MOUNTING

The new rotatable C44 sensor series offers extraordinary flexibility, long sensor life and IO-Link compatibility, even in harsh environments. Reliable switching is ensured by an extended operating temperature of  $-25^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$  ( $-13^{\circ}\text{F}$  to  $+185^{\circ}\text{F}$ ) and an IP68/IP69K protection rating. Thanks to operating distances up to 40 mm, mechanical damage can be practically eliminated. The C44 is not only ideal for use in the automotive industry and conveyor systems, but also for outdoor applications in port facilities or fairground rides.

### Your advantages

- ✓ Long operating distance up to 40 mm
- ✓ Highly flexible, reliable and economical
- ✓ Rotatable sensing face, mountable in five directions
- ✓ Fast, tool-free mounting
- ✓ Suitable for harsh environments and temperatures from  $-25^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$  ( $-13^{\circ}\text{F}$  to  $+185^{\circ}\text{F}$ )
- ✓ Long life, especially in applications with temperature fluctuations and vibrations
- ✓ High switching frequencies, reliable switching
- ✓ Changeover outputs
- ✓ 4 LED indicators
- ✓ IO-Link interface



## APPLICATION: DOCKYARD CRANE

Container-handling cranes in busy seaports operate around the clock. Sensors on each hoist carriage detect its position with respect to the crane structure and prevent it travelling outside preset limits. Mechanical play in the hoist carriage allows a small amount of lateral drift as it travels along the crane structure. Adequate sensing distance is essential to prevent the sensor colliding with the crane structure.

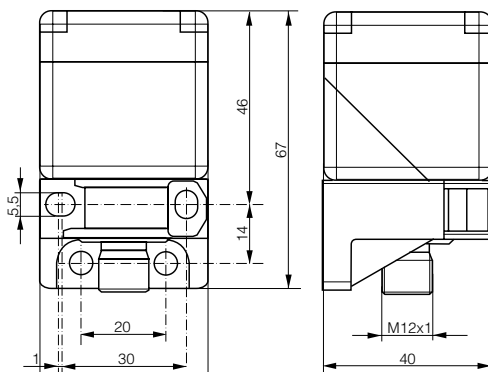
- Reliable sensing of hoist-carriage position in a busy container seaport
- Significant reduction in crane downtime
- Marked decrease in maintenance costs for replacement sensors



Use  **IO-Link**  
Universal · Smart · Easy









**DW-AS-63A-C44**

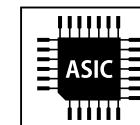


NEW		CLASSICS BASIC NOW WITH IO-LINK				
PART REFERENCE	ART. NO.	SN	MOUNTING	CONNECTION	POLARITY	OUTPUT
DW-AS-60A-C44	320-820-400	15	Embeddable	Connector M12	PNP	NO + NC
DW-AS-62A-C44	320-820-404	20	Embeddable	Connector M12	PNP	NO + NC
DW-AS-61A-C44	320-820-402	30	Non-embeddable	Connector M12	PNP	NO + NC
DW-AS-63A-C44	320-820-416	40	Non-embeddable	Connector M12	PNP	NO + NC

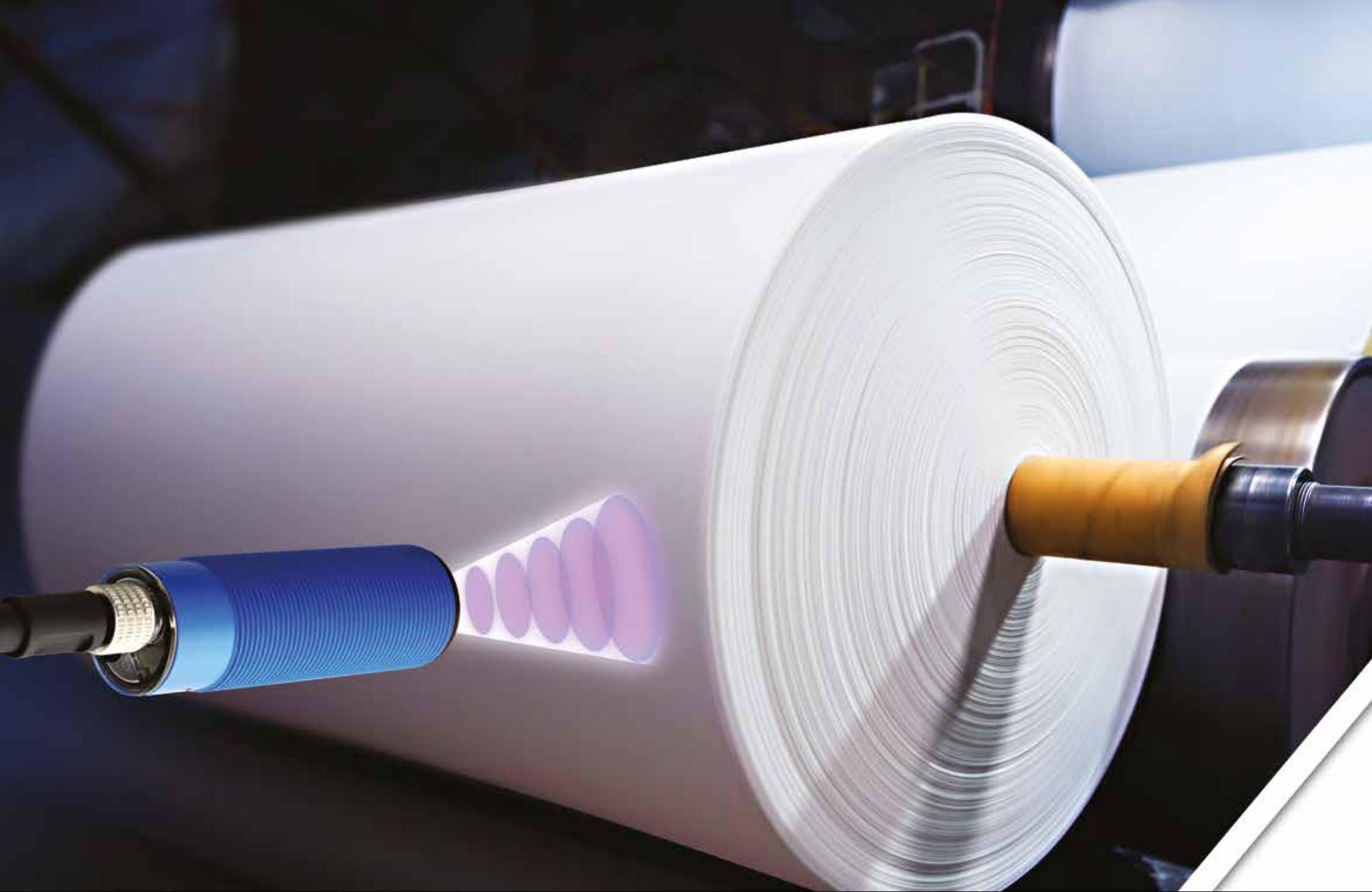
## ACCESSORIES

### CONNECTING CABLES

PART REFERENCE	ART. NO.	SIZE	PINS	CONFIG.	MATERIAL	LENGTH
 S12-4FAG-020-NNLN	605-002-060	M12	4	straight	TPE-S	2 m
 S12-4FAG-050-NNLN	605-002-061	M12	4	straight	TPE-S	5 m
 S12-4FUG-020	623-100-052	M12	4	straight	PUR	2 m
 S12-4FUG-050	623-100-032	M12	4	straight	PUR	5 m
 S12-4FVG-020	623-100-030	M12	4	straight	PVC	2 m
 S12-4FVG-050	623-100-051	M12	4	straight	PVC	5 m









## ULTRASONIC NEW SERIES

## M18 AND M30: PRECISE, RELIABLE, SMART

Target detection and distance measurement with outstanding temperature compensation and IO-Link

## PRECISION ULTRASONIC SENSORS WITH IO-LINK

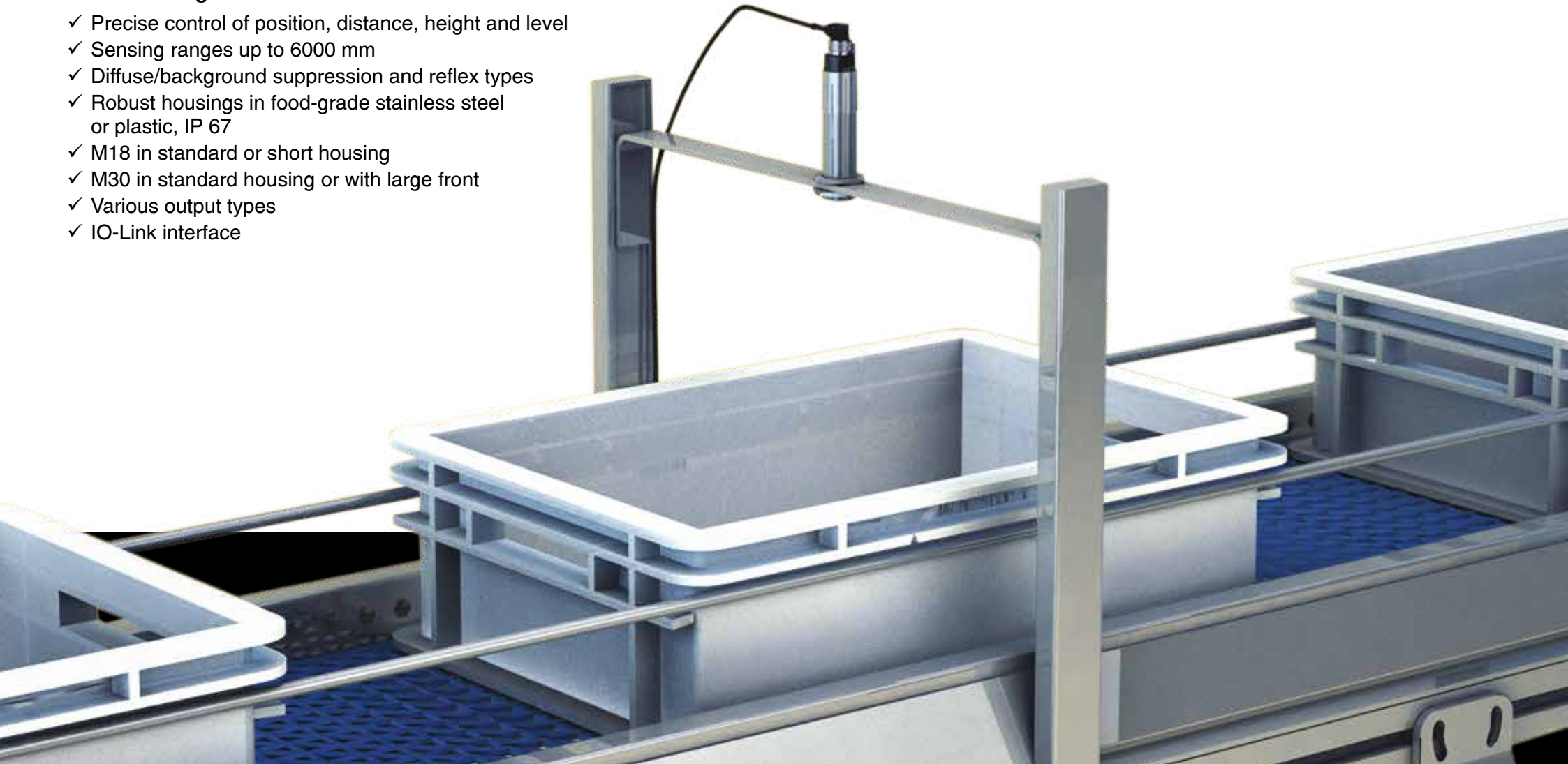
Contrinex's new M18 and M30 series of ultrasonic sensors make an important contribution to greater production efficiency in a variety of applications. They not only detect the target, but also indicate the distance between sensor and target. Temperature compensation ensures constant precision. They are ideal for use in the packaging, food and pharmaceutical industries and in agriculture.

### Your advantages

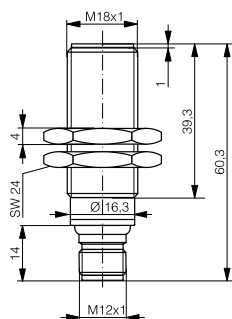
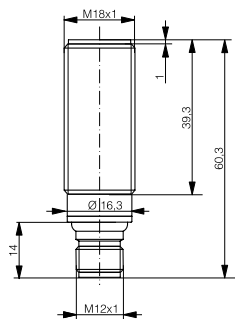
- ✓ Precise control of position, distance, height and level
- ✓ Sensing ranges up to 6000 mm
- ✓ Diffuse/background suppression and reflex types
- ✓ Robust housings in food-grade stainless steel or plastic, IP 67
- ✓ M18 in standard or short housing
- ✓ M30 in standard housing or with large front
- ✓ Various output types
- ✓ IO-Link interface

## APPLICATION: FOOD PROCESSING

A meat-processing plant uses non-contact ultrasonic presence sensing to increase productivity and eliminate breakdowns when washing empty meat bins. A single ultrasonic sensor, mounted above the conveyor on which the bins travel, checks for meat residues, rejecting any contaminated bins before the wash station.



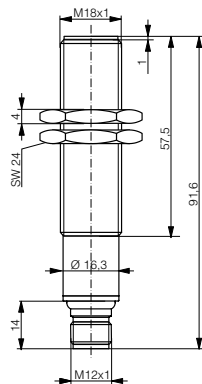
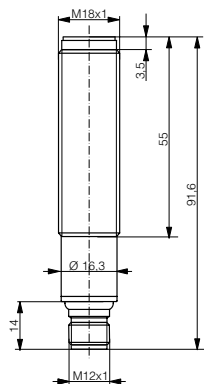




	NEW		M18 SHORT HOUSING, PLASTIC OR METAL		
	PART REFERENCE	ART. NO.	OPERATING PRINCIPLE	SENSING RANGE (mm)	OUTPUT
PLASTIC	UST-M18PC-WSS-303	605-010-229	Diffuse	40 ... 300	1 PNP
	UST-M18PC-WMS-303	605-010-230	Diffuse	80 ... 1200	1 PNP
	UST-M18PC-WSS-301	605-010-231	Diffuse	40 ... 300	1 NPN
	UST-M18PC-WMS-301	605-010-232	Diffuse	80 ... 1200	1 NPN
	UST-M18PC-WMS-309	605-010-233	Diffuse	80 ... 1200	4 - 20 mA
	UST-M18PC-WMS-30A	605-010-234	Diffuse	80 ... 1200	0 - 10V
	USR-M18PC-WSS-303	605-010-235	Reflex	40 ... 300	1 PNP
	USR-M18PC-WMS-303	605-010-236	Reflex	80 ... 1200	1 PNP
	USR-M18PC-WSS-301	605-010-237	Reflex	40 ... 300	1 NPN
	USR-M18PC-WMS-301	605-010-238	Reflex	80 ... 1200	1 NPN
STAINLESS STEEL	UST-M18MC-WSS-303	605-010-239	Diffuse	40 ... 300	1 PNP
	UST-M18MC-WMS-303	605-010-240	Diffuse	80 ... 1200	1 PNP
	UST-M18MC-WSS-301	605-010-241	Diffuse	40 ... 300	1 NPN
	UST-M18MC-WMS-301	605-010-242	Diffuse	80 ... 1200	1 NPN
	UST-M18MC-WMS-309	605-010-243	Diffuse	80 ... 1200	4 - 20 mA
	UST-M18MC-WMS-30A	605-010-244	Diffuse	80 ... 1200	0 - 10V
	USR-M18MC-WSS-303	605-010-245	Reflex	40 ... 300	1 PNP
	USR-M18MC-WMS-303	605-010-246	Reflex	80 ... 1200	1 PNP
	USR-M18MC-WSS-301	605-010-247	Reflex	40 ... 300	1 NPN
	USR-M18MC-WMS-301	605-010-248	Reflex	80 ... 1200	1 NPN

# Use IO-Link

Universal · Smart · Easy



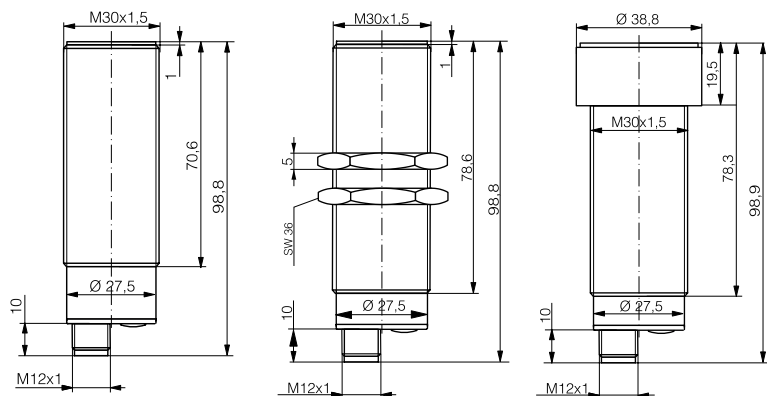
	NEW		M18 STANDARD HOUSING, PLASTIC OR METAL		
	PART REFERENCE	ART. NO.	OPERATING PRINCIPLE	SENSING RANGE (mm)	OUTPUT*
PLASTIC	UST-M18PS-TMS-403	605-010-249	Diffuse	100 ... 900	1 PNP
	UST-M18PS-TLS-403	605-010-250	Diffuse	200 ... 2000	1 PNP
	UST-M18PS-TMS-603	605-010-253	Diffuse	100 ... 900	2 PNP
	UST-M18PS-TLS-603	605-010-254	Diffuse	200 ... 2000	2 PNP
	UST-M18PS-TMS-839	605-010-257	Diffuse	100 ... 900	2 PNP + 4 - 20 mA
	UST-M18PS-TLS-839	605-010-258	Diffuse	200 ... 2000	2 PNP + 4 - 20 mA
	UST-M18PS-TMS-83A	605-010-261	Diffuse	100 ... 900	2 PNP + 0 ... 10V
	UST-M18PS-TLS-83A	605-010-262	Diffuse	200 ... 2000	2 PNP + 0 ... 10V
	UST-M18PS-TMS-813	605-010-265	Diffuse	100 ... 900	2 PNP+SYNC/MUX
	UST-M18PS-TLS-813	605-010-266	Diffuse	200 ... 2000	2 PNP+SYNC/MUX
	USR-M18PS-TMS-403	605-010-269	Reflex	100 ... 900	1 PNP
	USR-M18PS-TLS-403	605-010-270	Reflex	200 ... 2000	1 PNP
STAINLESS STEEL	UST-M18MS-TMS-403	605-010-273	Diffuse	100 ... 900	1 PNP
	UST-M18MS-TLS-403	605-010-274	Diffuse	200 ... 2000	1 PNP
	UST-M18MS-TMS-603	605-010-277	Diffuse	100 ... 900	2 PNP
	UST-M18MS-TLS-603	605-010-278	Diffuse	200 ... 2000	2 PNP
	UST-M18MS-TMS-839	605-010-281	Diffuse	100 ... 900	2 PNP + 4 - 20 mA
	UST-M18MS-TLS-839	605-010-282	Diffuse	200 ... 2000	2 PNP + 4 - 20 mA
	UST-M18MS-TMS-83A	605-010-285	Diffuse	100 ... 900	2 PNP + 0 ... 10V
	UST-M18MS-TLS-83A	605-010-286	Diffuse	200 ... 2000	2 PNP + 0 ... 10V
	UST-M18MS-TMS-813	605-010-289	Diffuse	100 ... 900	2 PNP+SYNC/MUX
	UST-M18MS-TLS-813	605-010-290	Diffuse	200 ... 2000	2 PNP+SYNC/MUX
	USR-M18MS-TMS-403	605-010-293	Reflex	100 ... 900	1 PNP
	USR-M18MS-TLS-403	605-010-294	Reflex	200 ... 2000	1 PNP

\* NPN type also available



# Use IO-Link

Universal · Smart · Easy



PLASTIC	NEW	M30 STANDARD HOUSING, PLASTIC OR METAL			
	PART REFERENCE	ART. NO.	OPERATING PRINCIPLE	SENSING RANGE (mm)	OUTPUT*
	UST-M30PS-TMS-403	605-010-297	Diffuse	200 ... 2500	1 PNP
	UST-M30PS-TMS-603	605-010-299	Diffuse	200 ... 2500	2 PNP
	UST-M30PS-TMS-839	605-010-301	Diffuse	200 ... 2500	2 PNP + 4 - 20 mA
	UST-M30PS-TMS-83A	605-010-303	Diffuse	200 ... 2500	2 PNP + 0 ... 10V
	UST-M30PS-TMS-813	605-010-305	Diffuse	200 ... 2500	2 PNP+SYNC/MUX
	UST-M30PS-TLS-403	605-010-307	Diffuse	350 ... 3500	1 PNP
	UST-M30PS-TLS-603	605-010-309	Diffuse	350 ... 3500	2 PNP
	UST-M30PS-TLS-839	605-010-311	Diffuse	350 ... 3500	2 PNP + 4 - 20 mA
STAINLESS STEEL	UST-M30PS-TLS-83A	605-010-313	Diffuse	350 ... 3500	2 PNP + 0 ... 10V
	UST-M30PS-TLS-813	605-010-315	Diffuse	350 ... 3500	2 PNP+SYNC/MUX
	UST-M30MS-TMS-403	605-010-317	Diffuse	200 ... 2500	1 PNP
	UST-M30MS-TMS-603	605-010-319	Diffuse	200 ... 2500	2 PNP
	UST-M30MS-TMS-839	605-010-321	Diffuse	200 ... 2500	2 PNP + 4 - 20 mA
	UST-M30MS-TMS-83A	605-010-323	Diffuse	200 ... 2500	2 PNP + 0 ... 10V
	UST-M30MS-TMS-813	605-010-325	Diffuse	200 ... 2500	2 PNP+SYNC/MUX
	UST-M30MS-TLS-403	605-010-327	Diffuse	350 ... 3500	1 PNP
	UST-M30MS-TLS-603	605-010-329	Diffuse	350 ... 3500	2 PNP
	UST-M30MS-TLS-839	605-010-331	Diffuse	350 ... 3500	2 PNP + 4 - 20 mA
PLASTIC	UST-M30MS-TLS-83A	605-010-333	Diffuse	350 ... 3500	2 PNP + 0 ... 10V
	UST-M30MS-TLS-813	605-010-335	Diffuse	350 ... 3500	2 PNP+SYNC/MUX
	NEW	M30 LARGE FRONT, PLASTIC			
	PART REFERENCE	ART. NO.	OPERATING PRINCIPLE	SENSING RANGE (mm)	OUTPUT*
	UST-M30PO-TXS-403	605-010-337	Diffuse	350 ... 6000	1 PNP
	UST-M30PO-TXS-603	605-010-339	Diffuse	350 ... 6000	2 PNP
PLASTIC	UST-M30PO-TXS-839	605-010-341	Diffuse	350 ... 6000	2 PNP + 4 - 20 mA
	UST-M30PO-TXS-83A	605-010-343	Diffuse	350 ... 6000	2 PNP + 0 ... 10V
	UST-M30PO-TXS-813	605-010-345	Diffuse	350 ... 6000	2 PNP+SYNC/MUX

\* NPN type also available



# WWW.CONTRINEX.COM: FASTER, EASIER, MORE LOCAL



## Worldwide users find important information more easily at redesigned site

A range of technical upgrades helps website users find information faster, whatever their sensor needs. Highlights of the new site include improved navigation and a cleaner overall look, with online functions easily accessed from mobile devices.

Central to the redesign is the new **Product Finder**, accessible worldwide in English. It focuses particularly on Contrinex's outstanding ranges of inductive and photoelectric sensors. The company's market-leading technologies and sensor characteristics are clearly presented. Suitable products are easy to find, together with all the necessary documentation in one place. A number of interactive features have been added that provide intuitive guidance.

A new concept has been created for the informative Solutions webpages, which clearly showcase products in the context of typical applications.



Local site versions now also provide country-specific news blogs – a great source of useful information about Contrinex products and more.

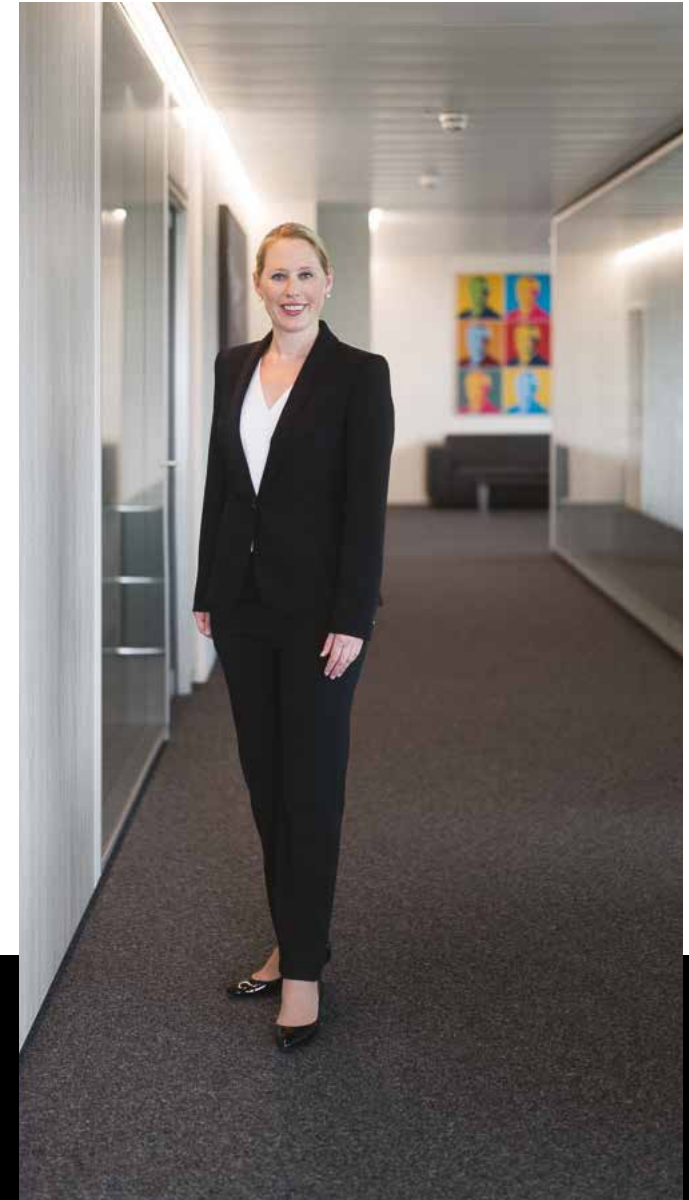
# NEW HQ BUILDING FOR CONTRINEX



*Contrinex Headquarters, Switzerland*

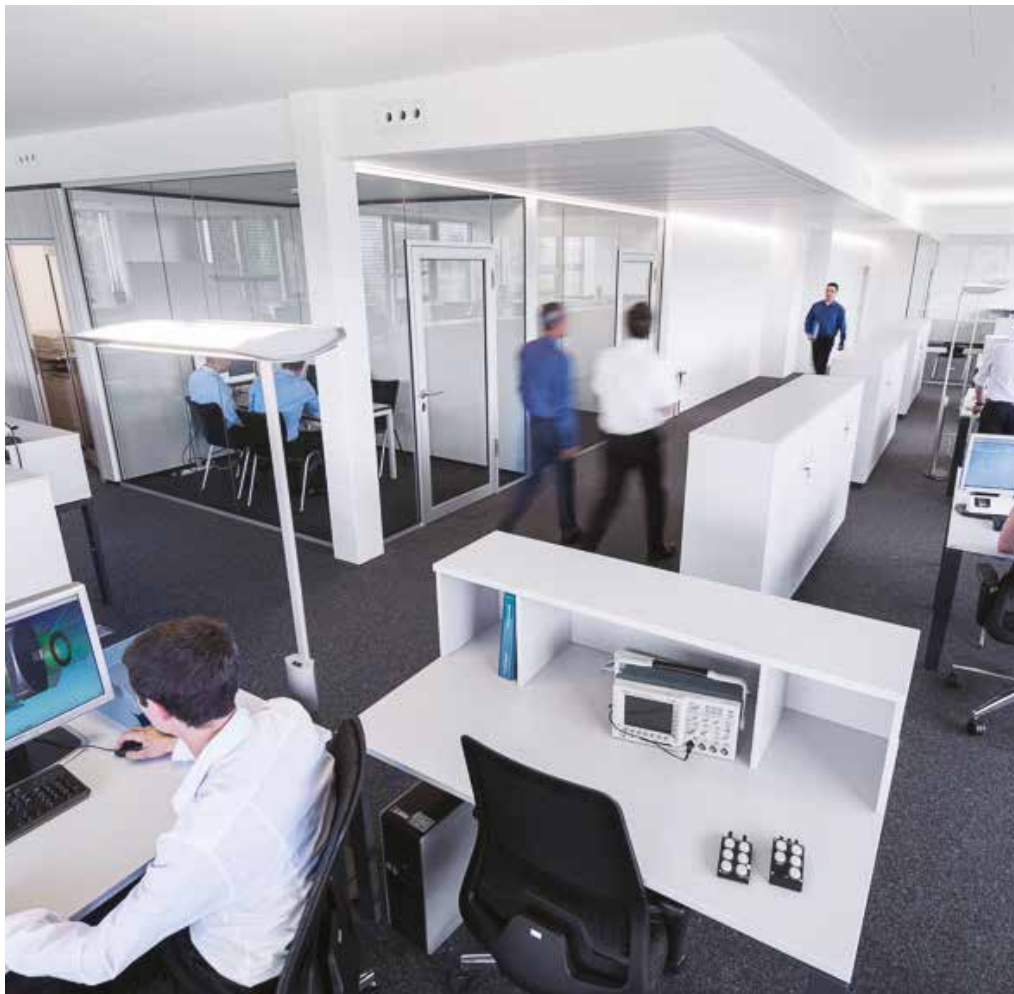
## **In August, sensor manufacturer Contrinex opened a new Swiss head office for the Group's R&D activities and global management**

Completed in August 2016, the new head office allows Contrinex to concentrate research, development, sales and global management operations within modern, specially adapted facilities. Adjacent to woods and fields, it provides an excellent working environment for approximately 80 employees and satisfies all the requirements of a modern, global HQ.



*Group CEO Annette Heimlicher*





*Global R&D Center*

At its heart is the research & development center, whose comprehensively equipped laboratories feature state-of-the-art facilities for EMC, environmental and endurance tests. This department operates as a center of excellence for innovation, particularly in key areas of market leadership. These include ASIC-based sensors with a variety of operating principles, sensors for the most difficult environments and sensors with IO-Link for



*Specialized prototype assembly*

fully integrated, intelligent factory applications. Other departments within the new HQ include product management, marketing and finance.

By moving key activities into the new head office, Contrinex reinforces its commitment to Switzerland as the Group's HQ location and center for highly qualified teams.

## EUROPE

Austria  
**Belgium\***  
Croatia  
Czech Republic  
Denmark  
Estonia  
Finland  
**France\***  
**Germany\***

## Great Britain\*

Greece  
Hungary  
Ireland  
**Italy\***  
Luxembourg  
Netherlands  
Norway  
Poland  
**Portugal\***

Romania  
Russian Federation  
Slovakia  
Slovenia  
Spain  
Sweden  
**Switzerland\***  
Turkey  
Ukraine

## AFRICA

Morocco  
South Africa

## THE AMERICAS

Argentina  
**Brazil\***

Canada  
Chile  
**Mexico\***  
Peru  
**United States\***  
Venezuela

## ASIA

**China\***  
**India\***  
Indonesia  
**Japan\***  
Korea  
Malaysia

Pakistan  
Philippines  
**Singapore\***  
Taiwan  
Thailand  
Vietnam

## AUSTRALASIA

Australia  
New Zealand

## MIDDLE EAST

Israel  
United Arab Emirates

\* Contrinex subsidiary

## HEADQUARTERS

**CONTRINEX AG** Industrial Electronics  
Route du Pâqui 5 - PO Box - CH 1720 Corminboeuf - Switzerland  
**Tel:** +41 26 460 46 46 - **Fax:** +41 26 460 46 40  
**Internet:** [www.contrinex.com](http://www.contrinex.com) - **E-mail:** [info@contrinex.com](mailto:info@contrinex.com)



# [www.contrinex.com](http://www.contrinex.com)