

Export news July 2018

New retro-reflective sensor

First we would like to draw your attention to a new sensor in our product range: the [OR270478](#). It deals with a retro-reflective sensor, which particularity lies on the fact that it operates using extremely short-wave, polarized **UV-light**. Therefore, also transparent objects, e.g. glass, can be detected reliably. The device comes with a compact design and offers IO-Link interface, IP67 and a high switching frequency.

It can be used for a broad range of applications where transparent materials such as bottles, plastic packaging or films play a roll.

As with any other retro-reflective sensor, a prismatic reflector is required. We recommend using the [AO000548](#), as it is suitable for UV-light.



Talking about the detection of transparent objects some other optical sensors are also worth mentioning:

- / [OR430370](#): polarity free red light, 7m range, teach
- / [OR170120](#): polarized red light, 6m range, teach, and metal housing
- / [ON330571](#): auto reflective sensor, no reflector, range 300mm

If optical sensors are not an option for some reason, ultrasonic barriers, e.g. the [UY250100](#), or the ultrasonic fork [UG800170](#) could provide a solution.

For more detailed information, there will also be a flyer for the OR270478 shortly available.

All-Steel, IO-link and chip immune: IO12012F & IO18012F

Inductive CHIP-IMMUNE sensors eliminate the risk of false switching due to metal debris in milling, drilling or grinding processes. Steel or aluminum objects are reliably detected, even when sensors are covered with metal chips.

With extremely robust, one-piece stainless-steel housings, an IP68/IP69K protection rating and an operating temperature range from -25 to +85°C, the devices [IO12012F](#) and [IO18012F](#) from ipf are ideal for the harshest machining environments. An IO-Link interface is also available for communication.



The key advantages at a glance:

- / no false switching due to metal chips
- / extremely robust, one-piece stainless-steel construction
- / IP68/IP69K
- / IO-Link

Important facts about ipf LED-lights: a success story

As the ipf LED lights are successfully sold on the German market, we would like to gradually focus more strongly on informing you about these special light solutions. In the near future we will also provide you with an English catalog of this product line.

The portfolio becomes bigger and bigger, this is why the old but still existing article code starting with "AO" for "accessories optical" is no longer suitable. Attached you will find an Excel-file in order to give you an overview of our new article code for LED lights. For reasons of completeness, the codes for additional lights for camera systems are also included.

Article code LED lights									
1.DIGIT	2.DIGIT	3.AND 4. DIGIT		5.DIGIT	6.DIGIT		7.DIGIT		
E	Emitter A	workplace light	08	M8x1	0	24V DC	1	white	0
	M	machine light	12	M12x1	1	12V DC	2		
	H	high-bay light	18	M18x1	2	48V DC	3	multicolor	2
	R	ring light	28	28x25xlength			4	RGB	
	D	transmitted light lamp	33	33 round	4	230V AC	5	RGB + white	6
	L	linear light	35	35 round	5	20-250V AC/DC	6	blue	7
	S	spot light	39	39x40xlength			7	red	
	F	dark field light	40	40 round			8	green	
	E	dome light	41	41x33	8	flash capable	9	yellow	S
	Q	light source	44	44x15xlength			U	UV	
	B	flexible	45	45 round			I	infrared	
			50	50 round					
			70	70 round					

The portfolio of LED lights consists of machine lights, workplace lights, high-bay lights, floodlights, swan neck lights and signal lights.

This time we would like to present our successful machine light [EM98E169](#). This LED-light, which is operated by a constant current driver, is suitable for an enlarged temperature range from -30 to +70°C.



Beside of the constant current driver [NY98E155](#), we offer also the new [NY98E186](#); a driver that is designed for mounting onto a DIN-rail. The special feature: the current can be adjusted by means of a DIP switch between 200 and 800mA. As a result, the brightness can be adjusted in this way.



Talking about brightness adjustment, we recently added the [VY000006](#), a module for brightness control. If an LED-light is supplied with operating voltage via Pin 1+3 of the M12-connector, this module is appropriate and can be used to adjust its brightness.

