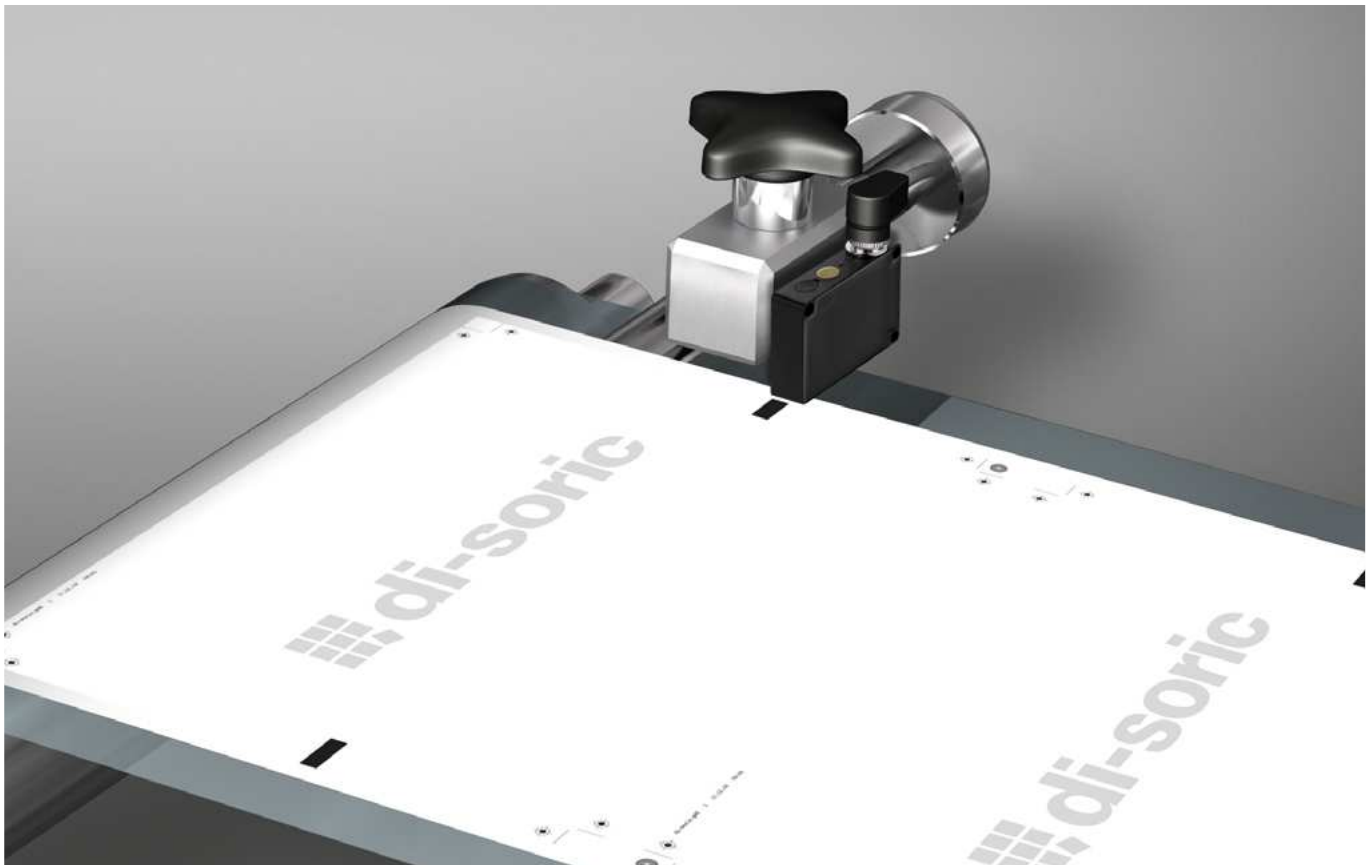


Contrast sensors



Contrast sensors can detect and compare precise contrasts. The devices are used for reliable, precise detection of printed marks based on color and grayscale contrasts on an extremely wide range of carrier materials such as labels, films, banderoles, cartons or tubes. The devices are configured through intuitive teaching-in.



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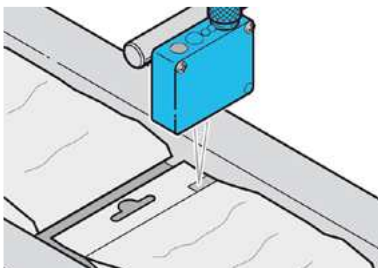
These contract sensors have a robust metallic housing in rectangular design with a high protection class. The sensors work with white-light (LED) and detect even the finest of contrasts. Their sensitivity can be adjusted in an easy and user-friendly manner with an auto-teach button.



Technical data (typ.)	+20 °C, 24 VDC
Service voltage	10 to 35 V DC
Switching output	Push-pull, 200 mA, NO/NC switchable
Ambient temperature	-10 to +60 °C
Protection class	IP 67
Housing material	Die-cast zinc, varnished
Size	50 x 40 x 15 mm (housing dimensions)

	Scanning range (mm)	Min. teach range (mm)	Transmission light: white, clocked	Resolution (mm)	Sensitivity adjustment by means of	No-load current (mA)	Switching frequency (Hz)	Light spot size (mm)	Plug connector length	Connection cable (optionally available)	Product description
OK-50											
	27 to 33	50	■	Ø 0.7	Teach key, remote teach	< 40	3000	Ø 3	M12	VK ...	OKTTI 55 M 30 FG3LK-IBS

Application example



- Contrast sensor with high resolution for detecting print marks
- Auto-teach key / remote teach option / lock function
- Auto-teach during a running process
- LED indicator for the teach procedure