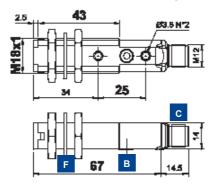
W CONTRAST SENSOR WITH WHITE EMISSION

The white light LED emission is designed for the detection of a large number of coloured or greyscale contrasts, in order to detect print registration marks or similar. EASYtouch™ setting procedures automatically selects the best detection conditions, simply by pressing the teach-in push-button once, in the presence of a reference mark. By pressing the teach-in push-button and holding it down until the green light on the rear of the sensor flashes, in the presence of the reference mark and then pressing the button again in the presence of the contrast you wish to ignore, a higher level of accuracy is obtained.

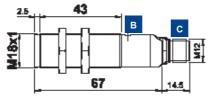


DIMENSIONS

PLASTIC HOUSING



METAL HOUSING

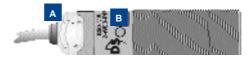






INDICATORS AND SETTINGS





- A OUTPUT status and READY/ERROR LEDs
- B Teach-in push-button
- c M12 connector output
- Cable output
- E Fixing nuts
- F Fixing gasket

Teach-in button for setting.

EASYtouch™ provides two setting modes: standard or fine, both obtained by pressing the push-button only once. Please refer to instructions manual for operating details.

ACCESSORIES

For **dedicated accessories** refer to the **ACCESSORIES** section of this catalogue.

Refer also to Fibre-optics (A.02), Connectors (A.03) and Fixing brackets (A.04) of the General Catalogue.

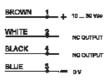
CONNECTIONS







S50-XX-5







TECHNICAL DATA \$60-PA-2-W03-PP \$60-PA-5-W03-NN \$60-PA-5-W03-PP \$60-MA-2-W03-PP \$60-MA-2-W03-NN \$60-MA-2-W03-NN \$60-MA-5-W03-PP Operating distance: 10 mm Depth of field (max.): ± 2 mm 10 ... 30 Vdc¹ ≤ 2 Vpp Power supply: Ripple: Consumption: ≤ 25 mA Light emission: white LED 400 - 700 nm² Spot dimension: approx. 4.5 mm at 10 mm Minimum detectable object: 0.5 mm Setting: teach-in push-button Setting procedure: teach-in EASYtouch™ Indicators: yellow OUTPUT LED green / red READY / ERROR LED Output type: • • PNP, NO and NC • • NPN, NO and NO • Output current: ≤ 100 mA Saturation voltage: ≤ 2 V 100 μs Response time: Switching frequency: 5 kHz Operating mode: dark with EASYtouch™ automatic dark / light with fine acq Connection: • • 2 m Ø 4 mm cable 3 • • • • M12 4-pole connector 4 **Electrical protection:** class 2 Mechanical protection: **IP67** Protection devices: A, B Housing material: PBT nickel plated brass Lens material: **PMMA** • Weight: 75 g max. • • 25 g max. 110 g max. • • 60 g max. • • • **Operating temperature:** -25 ... +55°C • • • Storage temperature: -25 ... +70°C

EN 60947-5-2

CEL	ECT		TABLE	
ЭГІ	ГСІ	IUJN	IADII	i

plactic axial optics 2 m cable

plastic axial optics 2 III cable				
S50-PA-2-W03-NN 952001710 NPN				
S50-PA-2-W03-PP	952001320	PNP		
metal - axial optics - 2 m cable				

metal - axial optics - 2 m cable					
S50-MA-2-W03-NN	952021590	NPN			
S50-MA-2-W03-PP	952021110	PNP			

plastic - axial optics - M12 connector				
S50-PA-5-W03-NN	952001600	NPN		
S50-PA-5-W03-PP	952001330	PNP		

metal - axial optics - M12 connector				
S50-MA-5-W03-NN	952021750	NPN		
S50-MA-5-W03-PP	952021310	PNP		

All the ordering codes and information are summarised in the last pages of this catalogue.

TECHNICAL NOTES

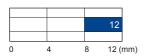
- ¹ Limit values
- 2 Average life of 100.000 h with T_A = +25 $^{\circ}$ C
- 3 PVC, 4 x 0.14 mm²
- ⁴ Compatible with quick connection systems
- ⁵ A reverse polarity protection
 - B overload and short-circuit protection on the outputs



Reference standard:

DETECTION DIAGRAMS

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Operating distance

