

## **DATASENSING TL46 CONTRAST** SENSOR WITH RGB LED

Now available in IO-Link

TL46-W-815 954601000 Contrast Sensor Basic Vertical Spot PNP/NPN

- Wide spectrum with RGB LED
- Color mode enhanced model (TL46-WE)
- · Fastest and accurate low jitter model (TL46-WJ)
- PNP/NPN output, now available in IO-Link
- Rotatable 5 position M12 connector



DATASENSING

**PRODUCT DESCRIPTION** 

The TL46 product range offers the best performance and most complete selection of contrast sensors for print registration mark detection.

The market leading sensor is characterised by excellent performance due to an automatic selection of RGB LED emission, low response time and high switching speed.

The IP67 metal case with standard "TL" dimensions and fixing holes offers the best protection and installation in all applications.

The sensor is available in 3 different versions, basic, standard and enhanced and the sensing range can be increased with its selection of lenses.

Features & Benefits:

- RGB emission: high detection reliability and resolution
- Teach-in push-buttons for fast and easy setting.
- 30KHz switching frequency.
- Rotatable M12 5-pole connector.
- IP67 metal housing.

- Packaging lines
- Paper and Printing machines
- Automatic filling machines

## **TECHNICAL DATA**

Dimension (mm)31 x 81 x 58Distance max12 mmDistance min6 mmElectrical connectionM12 5-pole connectorFrequency15000 HzFunctionDark on / Light onIP classIP67Leb indicatorYesLens materialGiassLight typeGreen LED, Red LED, Blue LEDMaterial of bodyAluminiumOutputPNP, NPNOutput current max0.05 APower consumption max0.05 ASensitivity settingYesSensitivity settingTeach inStorage temperature max20 YG	Distance max12 mmDistance min6 mmElectrical connectionM12 5-pole connectionFrequency15000 HzFunctionDark on / Light onIP classIP67LED indicatorYesLens materialGlassLight typeGreen LED, RedMaterial of bodyAluminiumOutputOutputOutput current max0,1 APhotocell technologyContrastPower consumption max0,05 AReaction time0,033 msSensitivity settingTeach inStorage temperature max70 °CStorage temperature min-20 °CSupply voltage10-30 V DCTemperature operational max55 °C	tor
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Storage temperature min 20 °C	Supply voltage10-30 V DCTemperature operational max55 °C	
	Temperature operational max 55 °C	
Supply voltage 10-30 V DC		
Temperature operational max 55 °C		
Temperature operational min -10 °C	Temperature operational min -10 °C	
Type of light LED	Type of light LED	
	Weight 170 g	













