

## COMPACT SIZE AND HIGH PERFORMANCE FOR THE MOST CHALLENGING DETECTION APPLICATIONS LINKED TO YOUR INDUSTRY 4.0 APPLICATIONS



- Compact dimensions (14x42x25 mm)
- Background suppression for transparent and shiny objects
- Contrast sensors up to 25 kHz switching frequency
- Extremely focused spot, under 1 mm (LASER model)
- Very high resolution LASER models
- INOX AISI 316L model
- Extended IO-Link parametrization with counter
- All output fully PNP/NPN/PP IO-Link configurable
- IO-link COM2
- IO-Link dual channel with no jitter addition

### Detection properties

Nominal sensing distance  
Sensitivity adjustment

10mm

Teach-in

### Application

Function Principle  
Description  
Optic position  
Functions

Contrast mark detection  
Compact slim case IP69K  
Radial 90°  
Contrast mark detection

### Outputs

Output type  
Output Function  
Response time

PNP L/D selectable  
L/D selectable  
0,05 (10kHz)

### Electrical data

Operating Voltage  
No-Load supply current  
Output voltage drop  
LED indicators

12...30VDC  
≤ 30mA  
≤2V@Iload=100mA

Yellow (status output) or (output/alarm) Green (powerON)

Short-circuit protection	YES
Reverse Polarity Protection	Yes
Emission	LED RGB
Interference to external light	according to EN 60947-5-2 : 2020
Impulsive Overvoltage Protection	Yes
Insulation resistance	>20 M $\Omega$ 500 Vdc, between electronics and housing
Contact resistance	500 Vac 1 min., between electronics and housing

### Mechanical data

Dimensions	14x43x25
Housing Material	ABS(Housing), PMMA (Optics)
Connections	M8 plug 4pin
Active Head Material	PMMA
Storage temperature	- 25°C...+70°C
Material	Metal - Stainless steel IP69K
Diameter/Dimension	Cubic

### Test/Approvals

Approvals	CE cULus
Shocks and vibrations	0.5 mm amplitude, 10 ... 55 Hz frequency, for every axis (EN60068-2-6)

### Generical Data

Dimensions	14x43x25
Operating Temperature	- 25°C...+ 55°C (Without freeze)
Mechanical Protection	IP67

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