

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

150mm
Trimmer/Teach-in

Application

Function Principle
Description
Optic position
Functions

Background suppression for clear detection
Compact slim case
Radial 90°
Background suppression for clear detection

Outputs

Output type
Output Function
Response time

PNP L/D selectable
L/D selectable
0,1

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	LASER Red
Interference to external light	according to EN 60947-5-2 : 2020
Impulsive Overvoltage Protection	Yes
Insulation resistance	>20 M Ω 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	Plastic - ABS / PMMA
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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date of printing

19/06/2023 12:21:27