

S8

950801060

S8-PR-5-W03-PP

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

OVERVIEW

- 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

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	10mm
Sensitivity adjustment	Teach-in

Application

Function Principle	Contrast mark detection
Description	Compact slim case

Optic position	Radial 90°
Functions	Contrast mark detection

Outputs

Output type	PNP L/D selectable
Output Function	L/D selectable
Response time	0,05 (10kHz)

Electrical data

Operating Voltage	12…30VDC
No-Load supply current	≤ 30mA
Output voltage drop	≤2V@Iload=100mA
LED indicators	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 MΩ 500 Vdc, between electronics and housing
Contact resistance	500 Vac 1 min., between electronics and housing

Mechanical data

Dimensions	14x43x25
Material	Plastic - ABS / PMMA
Housing material	ABS(Housing), PMMA (Optics)
Connections	M8 plug 4pin
Active Head Material	PMMA
Storage temperature	- 25°C…+70°C
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

Datasensing S.r.l.
Strada S.Caterina, 235
41122 Modena (MO)
Tel. 059 420411
Fax 059 253973
E-mail

date of printing
15/11/2026
08:13:38

info@datasensing.com