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S8-PH-5-B51-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	12m
Sensitivity adjustment	Trimmer

Application

Function Principle	Polarized retroreflective
Description	Compact slim case

Optic position	Radial 90°
Functions	Polarized retroreflective

Outputs

Output type	PNP L/D selectable
Output Function	L/D selectable
Response time	0,5

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	LASER Red
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
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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