

# S7



## 950551030

### S7-5-E-P

FIBER OPTIC AMPLIFIERS IN A DIN RAIL COMPATIBLE  
FORMAT FOR SMALL OBJECT DETECTION IN LIMITED  
SPACES

## OVERVIEW

- High-resolution models with integrated display
- 12 bit resolution and 50  $\mu$ s response time
- Trimmer or teach-in models
- Wide range of accessory fiber optics
- 4 wire NO/NC output or Remote teach input

## TECHNICAL FEATURES

### Detection properties

Nominal sensing distance 100mm

Sensitivity adjustment Teach-in

### Application

Function Principle Optic fiber amplifier

Description Compact case with display

Optic position axial

Functions	Optic fiber amplifier
Outputs	
Output type	PNP L/D selectable
Output Function	L/D selectable
Switching frequency	5Khz (fast speed)
Response time	100µs (high speed)
Electrical data	
Operating Voltage	12...24VDC ± 10%
No-Load supply current	≤ 50mA
Load current	≤100mA
Output voltage drop	≤2V@Iload=100mA
LED indicators	yellow (output state) green (stability, delay, speed led) green/red (Read/error)
Short-circuit protection	YES
Reverse Polarity Protection	Yes
Emission	LED Red (670 nm)
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	10x40x65
Housing Material	ABS(Housing), PMMA (Optics)
Connections	2m cable
Active Head Material	PMMA
Storage temperature	- 25°C...+70°C
Material	Plastic ABS / PC
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	10x40x65
Operating Temperature	- 25°C...+ 55°C (Without freeze)
Mechanical Protection	IP67 with cover

**Datasensing  
S.r.l.**

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**date of  
printing**  
09/02/2026  
03:33:28

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