



Small

95B000150

SM-PR-2-D10-NN

**COMPLETE LINE OF AMPLIFIED SUBMINIATURE
PHOTOELECTRIC SENSORS**

OVERVIEW

- 15 mm, 20 mm, 30 mm and 50 mm fixed focus proximity
- 1,5 m retroreflective and 1 m polarized retroreflective
- 2 m through beam models
- Amplified NPN or PNP output with NO-NC output

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	20mm
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Sensitivity adjustment	n/a
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Application

Function Principle	Fix focus beam
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Description	Subminiature slim case
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Optic position	Radial 90°
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Functions	Fix focus beam
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Outputs

Output type	NPN NO+NC
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Output Function	NO+NC
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Switching frequency	590Hz
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Response time	0,7ms
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Electrical data

Operating Voltage	10...30VDC
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No-Load supply current	$\leq 20\text{mA}$
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Load current	$\leq 50\text{mA}$
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Output voltage drop	$\leq 1,25\text{V}@I_{\text{load}}=50\text{mA}$
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LED indicators	Yellow (output status)
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Short-circuit protection	YES
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Reverse Polarity Protection	Yes
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Emission	LED Red (640nm)
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Interference to external light	according to EN 60947-5-2 : 2020
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Impulsive Overvoltage Protection	Yes
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Insulation resistance	$>20\text{ M}\Omega$ 500 Vdc, between electronics and housing
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Contact resistance	500 Vac 1 min., between electronics and housing
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Mechanical data

Dimensions	8x23x12
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Material	
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Housing material	Plastic PC / PMMA
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Connections	2m cable
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Active Head Material	PMMA
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Storage temperature	- 35°C...+75°C
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Diameter/Dimension	Cubic
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Test/Approvals

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

Dimensions	8x23x12
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Operating Temperature	- 20°C...+ 55°C
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Mechanical Protection	IP67
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