



Small

95B000120

SM-PR-2-F00-PP

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	2m
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Sensitivity adjustment	n/a
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Application

Function Principle	Through beam receiver
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Description	Subminiature slim case
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Optic position	Radial 90°
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Functions	Through beam receiver
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Outputs

Output type	PNP NO+NC
Output Function	NO+NC
Switching frequency	385Hz
Response time	1,25ms

Electrical data

Operating Voltage	10...30VDC
No-Load supply current	$\leq 20\text{mA}$
Load current	$\leq 50\text{mA}$
Output voltage drop	$\leq 1,45\text{V}@I_{\text{load}}=50\text{mA}$
LED indicators	Yellow (output status)
Short-circuit protection	YES
Reverse Polarity Protection	Yes
Emission	n/a
Interference to external light	according to EN 60947-5-2 : 2020
Impulsive Overvoltage Protection	Yes
Insulation resistance	$>20\text{ M}\Omega$ 500 Vdc, between electronics and housing
Contact resistance	500 Vac 1 min., between electronics and housing

Mechanical data

Dimensions	8x23x12
Housing Material	Plastic PC / PMMA
Connections	2m cable
Active Head Material	PMMA
Storage temperature	- 35°C...+75°C
Material	
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	8x23x12
Operating Temperature	- 20°C...+ 55°C
Mechanical Protection	IP67

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