



Small

95B000200

SM2-PR-2-FG00-PD

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	1,2m
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Sensitivity adjustment	n/a
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Application

Function Principle	Through beam emitter and receiver
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Description	Subminiature flat case
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Optic position	Radial 90°
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Functions	Through beam emitter and receiver
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Outputs	
Output type	PNP Don
Output Function	Don
Switching frequency	385Hz
Response time	1ms
Electrical data	
Operating Voltage	10...30VDC
No-Load supply current	≤ 20mA
Load current	≤50mA
Output voltage drop	≤1,45V@Iload=50mA
LED indicators	Green (powerON) Yellow (output status)
Short-circuit protection	YES
Reverse Polarity Protection	Yes
Emission	LED Red (640nm)
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	12x25x4
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Material	
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Housing material	Plastic ABS / 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	12x25x4
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Operating Temperature	- 20°C...+ 55°C
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Mechanical Protection	IP67
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