Small

95B000050

SM-PR-2-D20-NN

COMPLETE LINE OF AMPLIFIED SUBMINIATURE PHOTOELECTRIC SENSORS

OVERVIEW

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

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	30mm
Sensitivity adjustment	n/a

Application

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

Outputs

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

Electrical data

Operating Voltage	10…30VDC
No-Load supply current	≤ 20mA
Load current	≤50mA
Output voltage drop	≤1,25V@Iload=50mA
LED indicators	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	8x23x12
Material	
Housing material	Plastic PC / PMMA
Connections	2m cable
Active Head Material	PMMA
Storage temperature	- 35°C…+75°C
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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