



Small

95B000040

SM-PR-2-D20-PP

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
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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
Outputs	
Output type	PNP 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	~1,45V@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
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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°Câ€¦+75°C
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Material	
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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 â€¦ 55 Hz frequency, for every axis (EN60068-2-6)
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Generical Data

Dimensions	8x23x12
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Operating Temperature	- 20°Câ€¦+ 55°C
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Mechanical Protection	IP67
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**Datasensing
S.r.l.**

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