



S67-Y

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S67-MH-5-Y03-V

ACCURATE AND PRECISE LASER DISTANCE SENSOR WITH
SUBMILLIMETRIC RESOLUTION

OVERVIEW

- Sturdy metal Die-cast zinc IP67 housing.
- Resolution of 10um@50mm. distance on white 90% remission.
- Response time less than 0,9ms (short range models)
- Linearity error of +/-0,03mm@50mm range.
- Analog Voltage models with 0V-10V protected output.
- Analog Current models with 4-20mA protected output.
- Soiling indicator and Alarm Output.
- Robust light interference suppression.

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	300mm
Spot dimension	2mm
Resolution	0.01...0.33 mm
Sensitivity adjustment	Teach-in
Minimum sensing distance (blind zone)	50

Linearity error	±0.03...±1.0 mm
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Application

Function Principle	Distance sensor - Micrometric
Description	Large case vertical mount
Optic position	Radial 90°
Functions	Distance sensor - Micrometric

Outputs

Output type	0...10V Analog Current Output : load resistance (analog I) < (+Vs - 6 V) / 0,02 (-I) Analog Voltage Output : load resistance > 100 kOhm (-V
Output Function	Analog Current Output : load resistance (analog I) < (+Vs - 6 V) / 0,02 (-I) Analog Voltage Output : load resistance > 100 kOhm (-V
Response time	1

Electrical data

Operating Voltage	12..28VDC±10%
No-Load supply current	≤100mA
LED indicators	Red LED Alarm/Soiled lens indicator Green LED Power indicator Push Button Teach in
Short-circuit protection	YES
Reverse Polarity Protection	Yes
Emission	LASER Red

Interference to external light	according to EN 60947-5-2 : 2020
Impulsive Overvoltage Protection	Yes
Optical power class	CLASS 2 According to IEC 60825-1 (2014)
Insulation resistance	>20 MΩ 500 Vdc, between electronics and housing
Contact resistance	500 Vac 1 min., between electronics and housing

Mechanical data

Dimensions	20x65x50
Material	
Housing material	Metal die-cast Zinc / Glass
Connections	M12 plug
Active Head Material	PMMA
Storage temperature	- 25°C...+70°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	20x65x50
Mechanical Protection	IP67

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