S45

950411030

S45-PR-5-G00-XE
HIGH PERFORMANCE EUROPEAN STYLE MINIATURE SENSOR ALL-IN-ONE FAMILY

OVERVIEW

- Red LED and Laser emissions
- Precise risk free laser class 1 emission
- Diffused LED proximity 800mm
- Background Suppression 400mm
- Retroreflective Class 1 Laser 15m/Red LED 7m
- Through beam Class 1 Laser 20m/Red LED 15m
- IP69K housing
- 2m Cable or metal M8 4 pole version
- PNP or NPN output with remote teach in input
- High speed RGB and white emission contrast sensor
- High precision distance sensor up to 200 mm

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	15m
Sensitivity adjustment	n/a

Application

Function Principle	Through beam emitter

Description	Miniature european style rear holes
Optic position	Radial 90°
Functions	Through beam emitter

Outputs

Output type	n/a
Response time	n/a

Electrical data

Operating Voltage	10…30VDC
No-Load supply current	$\leq$ 30mA
Load current	$\leq$100mA
Output voltage drop	$\leq$2V@Iload=100mA
LED indicators	Green (PowerON) Yellow (status output)
Short-circuit protection	YES
Reverse Polarity Protection	Yes
Emission	LED Red (632 nm)
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	12x34x20
Housing Material	ABS(Housing), PMMA (Optics)
Connections	M8 plug 4pin
Active Head Material	PMMA
Storage temperature	- 25°C…+70°C
Material	Plastic ABS / PMMA
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	12x34x20
Operating Temperature	- 25°C…+ 55°C (Without freeze)
Mechanical Protection	IP67 & IP69K

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