TIM351-2134001S03

Industrial automation components

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Manufacturer	Sick
Catalog number	tim351-2134001s03
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	SICK
Part Number	TIM351-2134001S03
Product Type	2D LiDAR Sensor
Application Area	Industrial Automation
Light Source	Infrared (850 nm)
Aperture Angle	270°
Scanning Frequency	15 Hz
Angular Resolution	1°
Working Range	0.05 m to 10 m
Max Range at 10% Reflectivity	8 m
Digital Inputs	4 (PNP)
Digital Outputs	3 (PNP), Additional "Device Ready" Output

Description

The SICK TIM351-2134001S03 is a compact 2D LiDAR sensor designed for precise distance measurement and object detection in industrial automation applications. Operating on infrared light at 850 nm, it offers a horizontal aperture angle of 270° and a scanning frequency of 15 Hz, enabling comprehensive area coverage. With an angular resolution of 1°, it provides accurate spatial data. The sensor's working range extends from 0.05 m to 10 m, with a maximum range of 8 m at 10% reflectivity, making it suitable for various indoor and outdoor applications. It features four digital inputs and three

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digital outputs (PNP), along with an additional "Device Ready" output, facilitating seamless integration into automation systems. The device operates on a supply voltage of 9 V DC to 28 V DC and consumes approximately 4 W of power, with a maximum of 16 W when all digital outputs are loaded. Housed in a compact enclosure measuring 60 mm x 60 mm x 86 mm and weighing 250 g, it boasts an IP67 protection rating, ensuring durability in harsh environments. The sensor is classified as a Class 1 laser device, adhering to IEC 60825-1 standards, and is not considered a safety component as defined by relevant machine safety legislation.